

NSK PROFESSIONAL PRODUCTS 6 EDITION

PROFESSIONAL PRODUCTS

Create it 

NSK

AIR TURBINES

Ti-Max Z / S-Max M / S-Max pico
Ti-Max X450 / Pana-Max2

P.18-47

CONTRA-ANGLES

Ti-Max Z / Ti-Max X / S-Max M
FX Series / EX Series / isoE-LUX

P.48-79

CLINICAL MICROMOTORS

NLX nano / Ti-Max X205L
S-Max M205

P.80-95

ORAL HYGIENE

Varios Combi Pro / Varios 970
Varios 370 / Propy-Mate neo
Perio-Mate / Ti-Max S970 / iProphy

P.96-155

ENDODONTICS

ENDO-MATE TC2 / ENDO-MATE DT2
iPex II

P.156-167

MOBILE DENTISTRY

Dentalone / VIVA ace / VIVAMATE G5

P.168-179

SURGICAL

Surgic Pro2 / Osseo 100+
Implant Handpieces / Micro Surgery Handpieces
Micro Saw Handpieces / iSD 900 / VarioSurg 3

P.180-235

AUTOCLAVE

iClave plus

P.236-243

MAINTENANCE

iCare+ / iCare / PANA SPRAY Plus

P.244-261

DENTAL LABORATORY

ULTIMATE XL Series / VOLERE i7
PRESTO Series

P.262-275

SPARE PARTS / COMPONENTS

P.276-295

Create it 

Smiling, laughing & eating delicious food.

Dental care is directly linked to a happy life and is inexplicably linked to a healthy life expectancy.

NSK creates various values for all stakeholders, on a mission to contribute to the best dental care.

Innovative technology, high precision/quality and stress-free products. Allowing confidence and security, to build trust with customers, smiles of patients and a bright future.

NSK is always close to people and this corresponds to long term dental health.

Create_

innovation

precision

quality

professionalism

confidence

partnership

hospitality

sustainability

smile

tomorrow

Made In KANUMA

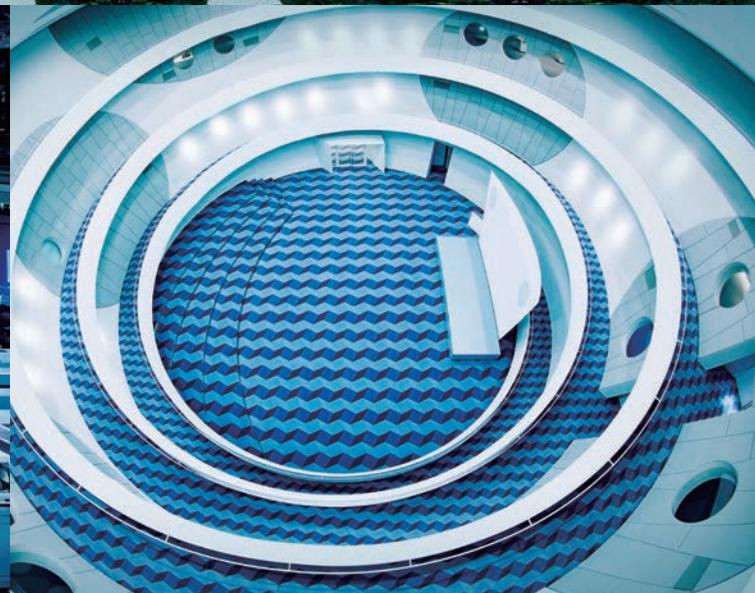
"RD1" is the R&D center, with state-of-the-art equipment and highly trained engineering teams.

"A1" Factory is the world's largest (in its class) cutting-edge factory in ultra-precision machining for dental handpieces.

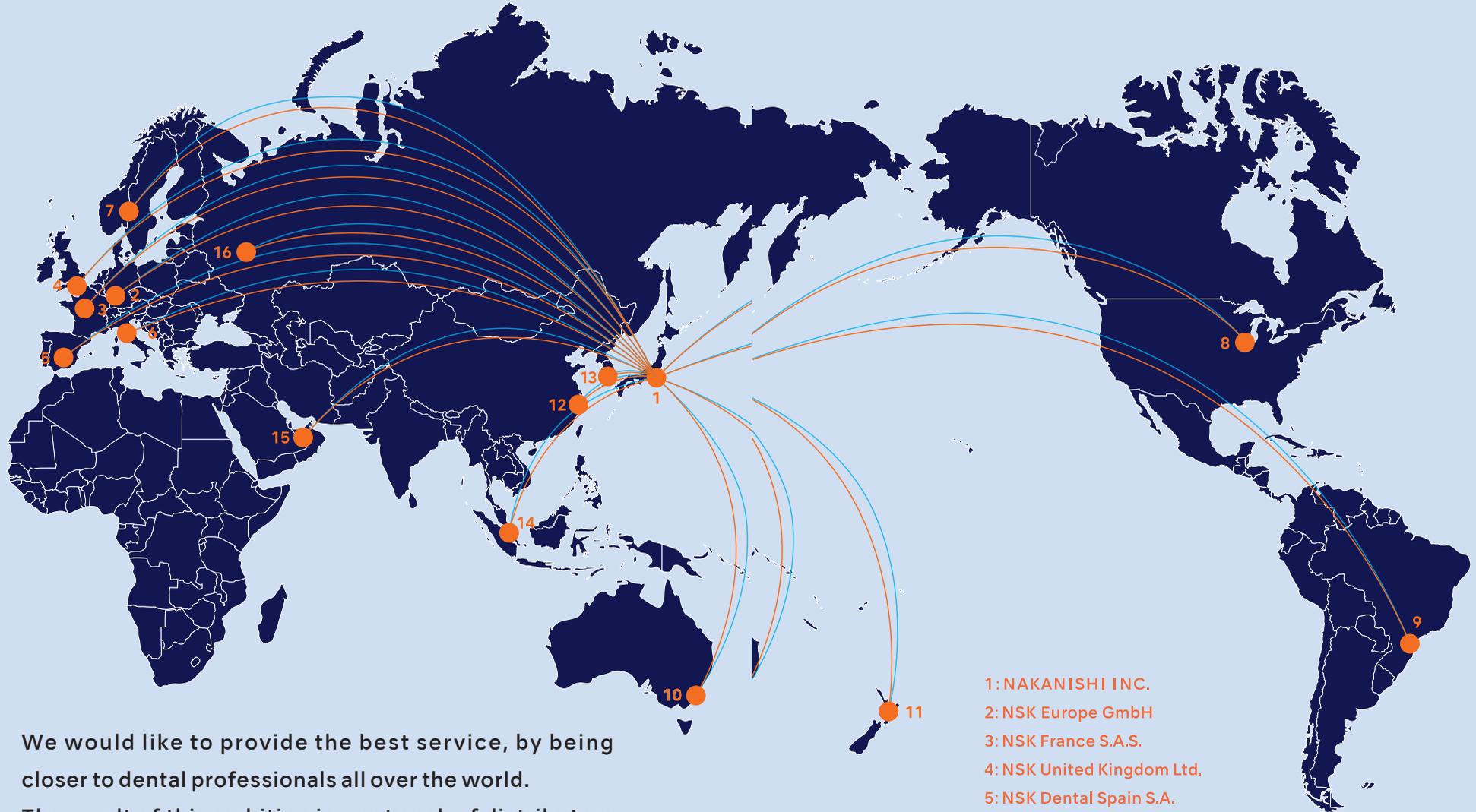
All NSK products are developed and produced in Japan and shipped worldwide.

This comes from our faith, that development and production should be integrated in order to make the best products.

NSK creates innovation in KANUMA, Japan.



Global Network



We would like to provide the best service, by being closer to dental professionals all over the world.

The result of this ambition is a network of distributors covering 16 overseas sales subsidiaries, as well as distributors covering 135 countries.

Your voice is important, the sales people of NSK will continue to support you day-to-day in order to be able to meet any requests and suggestions you have.

- 1: NAKANISHI INC.
- 2: NSK Europe GmbH
- 3: NSK France S.A.S.
- 4: NSK United Kingdom Ltd.
- 5: NSK Dental Spain S.A.
- 6: NSK Dental Italy S.r.l
- 7: NSK Dental Nordic AB
- 8: NSK America Corp.
- 9: NSK America Latina Ltda.

- 10: NSK Oceania Pty. Ltd.
- 11: NSK Oceania Ltd.
- 12: NSK Shanghai Co.,Ltd.
- 13: NSK Dental Korea Co.,Ltd.
- 14: NSK Nakanishi Asia Pte. Ltd.
- 15: NSK Middle East FZCO
- 16: NSK RUS LLC

Pioneer of Infection Control

= **DualDefence™**

As a dental instrument manufacturer, NSK always puts the safety of users, support staff and patients first. With that in mind, NSK has been searching for solutions to prevent infection for over 30 years. This fact and track record proves that NSK is the industry's leading brand in infection control.

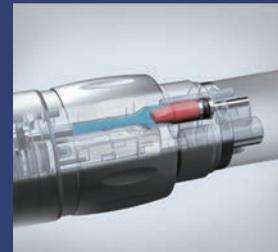


CLEAN HEAD SYSTEM



The Anti-Suckback system prevents blood and dirt from entering the air lines.

ANTI-RETRACTION VALVE



The Anti-Retraction Valve system prevents blood and debris from entering the water lines.

NSK 'Infection Control'
special webpage ▶



The Environment

NSK believes that it is an important mission to create products that contribute to the environment.

In order to protect the future global environment, we aim to reduce the environmental load and establish a "low-carbon, high recycling, and symbiotic society".

In the rich scenery of Kanuma-Japan, that changes its expression from season to season.

Recycling rate of cutting oil **97%**

Reduction rate of basic unit company-wide energy *1 **-12%**

Power reduction rate by air conditioning energy*2 **-30%**

Renewable energy usage*3 **100%**

*1 Basic unit = total power consumption / (total production x total floor area).
The reduction rate is the ratio from 2013 in 2019.

*2 Realized by introducing a floor cooling system that uses groundwater.

*3 Total power of headquarters facility.



NSK Advantages

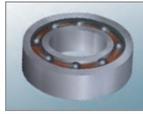
NSK Cellular Glass Optic

Cellular Glass Optic delivers brilliant illumination, is highly durable and will not deteriorate due to repeated sterilization.



NSK Ceramic Bearings

Ceramic Bearings are 25% harder than conventional steel bearings but are only half the weight. Because frictional wear between the ball bearings and the bearing retainer is significantly reduced the efficiency and durability is significantly increased.



NSK Clean Head System

The patented NSK Clean Head System is a special mechanism designed to automatically prevent the entry of oral fluids and other contaminants into the handpiece head prolonging the life of the bearings.



NSK Push Button Chuck

Push Button Chuck is NSK's original push button auto-chuck mechanism that tightens the bur grip during rotation. It allows one-touch bur insertion and removal without tools. The bur lock mechanism is designed so that bur retention strength increases when high loads are applied to the bur.



NSK Quattro Water Spray

The NSK Quattro Water Spray effectively cools the entire surface of the bur with a high cooling effect, leaving no areas uncovered.



NSK Non-Retraction Valve

A Non-Retraction Valve is integrated inside the coupling and inside air motors. It prevents retraction of contaminated fluids into the handpiece water lines. In combination with the Clean Head System, the Non-Retraction Valve provides an effective method to effectively reduce possible internal contamination.



NSK Ergonomic Comfort Grip

NSK is dedicated to designing handpieces that adapt comfortably to the human hand form, even during extended treatment periods. This is relevant to all hand sizes. Titanium is the optimum material to especially offer lightweight comfort, tactile sensitivity, and the ideal grip texture even for gloved hands.



NSK Scratchless DURAGRIP

Special surface processed body pursuing usability and operability is designed to improve comfortability of holding while equal scratch resistancy as DURACOAT is maintained.



NSK Scratchless DURACOAT

DURACOAT, NSK's latest surface enhancement technology, takes advantage of the non allergic and biocompatible properties of titanium to further improve durability. DURACOAT creates a smooth, scratch resistant surface which is comfortable to hold.



Autoclavable

All NSK handpieces offer superior durability and continued performance, even when frequently autoclaved. All handpieces may be autoclavable up to 135°C.



Thermo-disinfector Ready

Disinfecting handpieces prior to autoclaving is a recommendable practice for more effective infection control. The symbol mark on your NSK product means you can cleanse and disinfect the handpiece using a thermo-disinfector.



■ Please quote both the Model & Order Code.

Couplings

For NSK



LUX Coupling



- Stainless Steel Body
- Titanium coating
- Anti-Retraction Valve



Optic	MODEL	ORDER CODE
●	PTL-CL-LED	P1001600

- Water volume adjuster
- Stainless Steel Body
- Titanium coating
- Anti-Retraction Valve



Optic	MODEL	ORDER CODE
●	PTL-CL-LEDIII	P1001601

For KaVo®



LUX Coupling



- Water volume adjuster
- Stainless Steel Body
- Titanium coating
- Anti-Retraction Valve



Optic	MODEL	ORDER CODE
●	KCL-LED	P1005600

For Sirona®



LUX Coupling



- Water volume adjuster
- Stainless Steel Body
- Titanium coating
- Anti-Retraction Valve



Optic	MODEL	ORDER CODE
●	SCL-LED	P1009600

For NSK



Midwest 4 hole

- Stainless Steel Body
- Anti-Retraction Valve



Non-Optic	MODEL	ORDER CODE
—	FM-CL-M4	P434051

For NSK



Borden 2/3 hole

- Stainless Steel Body
- Anti-Retraction Valve



Non-Optic	MODEL	ORDER CODE
—	FM-CL-B2/3	P432051

NSK Coupling System

	Ti-Max Z	S-Max M	S-Max pico	Ti-Max X450	Pana-Max2*	Ti-Max S970	Propriy-Mate neo*	Perio-Mate*
NSK LED PTL-CL-LED PTL-CL-LEDIII	<input type="checkbox"/>							
NSK Non-Optic FM-CL-M4	<input type="checkbox"/>							
KaVo® LED KCL-LED	<input type="checkbox"/>							
Sirona® LED SCL-LED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
W&H®	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	—	—	<input type="checkbox"/>	<input type="checkbox"/>
Bien-Air®	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	—	—	—	—
Midwest 4 hole (Direct-connect / Screw-on Type)	<input type="checkbox"/>							
Borden 2 hole (Direct-connect / Screw-on Type)	<input type="checkbox"/>							

*Handpiece will operate without optic illumination

AIR TURBINES





	Ti-Max Z	S-Max M	Ti-Max X450	S-Max Pico	Pana-Max Plus	Pana-Max2
Grade	PREMIUM	ADVANCED	SPECIAL	SPECIAL	BASIC	BASIC
Body	Titanium	Stainless	Titanium	Stainless	Stainless	Stainless
DURAGRIP	●					
DURACOAT			●			
Ceramic Bearings	●	●	●	●	●	●
Cellular Glass Optics	●	●	●	●		
Clean Head System	●	●	●	●	●	●
Push Button Chuck	●	●	●	●	●	●
Water Spray	Quattro	Quattro	Triple	Single	Quattro	Single
Microfilter	●					
Ergo Grip	●	●	●	●	●	●

Ti-Max Z

Premium



POWERFUL

Evolving to Redefine Performance

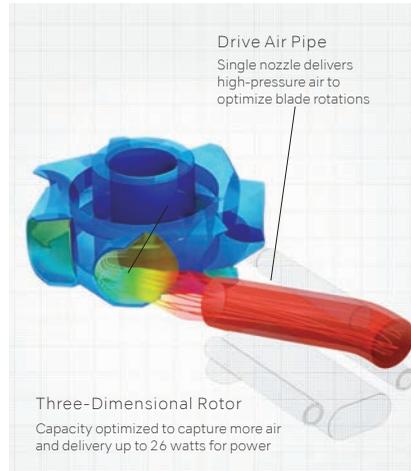
Z turbines deliver consistent power, and due to their ergonomic design they are easier to handle and give a more comfortable patient experience.

Z series turbines deliver everything and more than you would expect from a high performance air turbine.

All of this is the result of our ethos of consistently aiming to exceed expectations, uncompromising product design and ultra precision manufacturing technology to deliver ever improving levels of comfort for clinicians and patients.

With up to an incredible 26 watts* of output, our air turbines will revolutionize your dental practice.

*With the Z900L

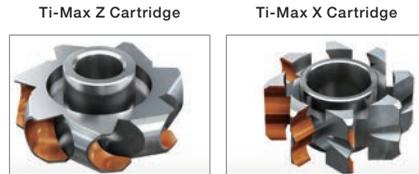


Miniature Parts for Maximum Power, Reflecting NSK's Pursuit of The Optimum Rotor Shape

New Three-Dimensional Rotor

We harnessed the latest computer analysis software to develop a rotor with higher output. We created a new three-dimensional curved shape after relentless simulations and pilot production. The blade is 50% larger than that of the Ti-Max X Air Turbine. With this new rotor, the air turbine delivers an amazing 26 watts *of power.

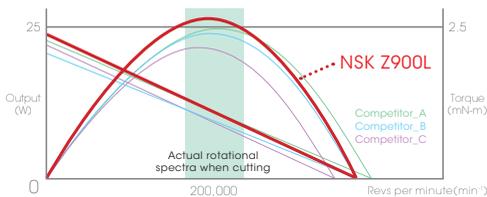
*With the Z900L



Blade surface 50% larger

High Output for Smoother Cutting

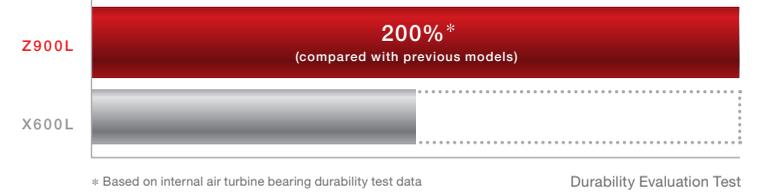
The 26 watts power output from the new rotor significantly enhances the performance during clinical applications. This can dramatically reduce treatment time and noticeably improve treatment comfort for the clinician and patient alike.



DURABLE

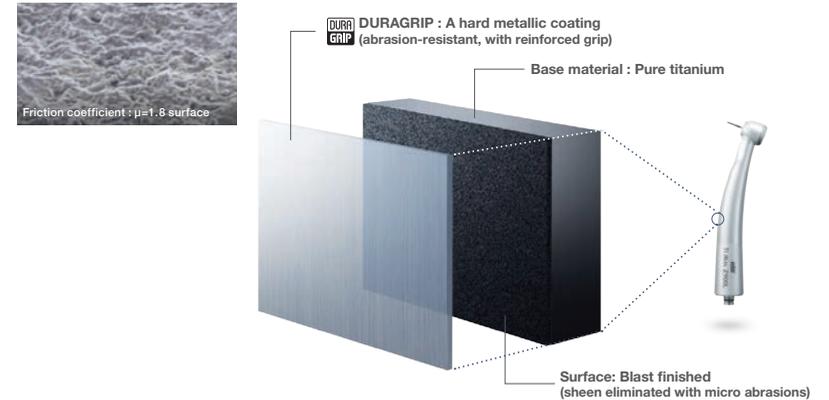
Advanced Technology a Key Factor in Significantly Increased Durability of Ti-Max Z

We completely redesigned the shape and found better materials for the bearing retainer to reduce frictional resistance and developed a new type of bearing to almost double the durability to accommodate constant thermodisinfector and autoclave usage.



DURAGRIP Non-Slip, Scratch-Resistant Surface Treatment Technology

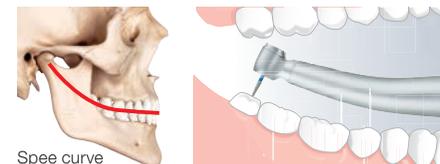
We blast-finish the pure titanium body surface utilising micro-abrasion before applying the DURAGRIP surface finish. The micro-abrasion enhances resistance to scratches and contributes to the firm, reliable non-slip grip.



Z micro USABILITY

Good accessibility using the mini head at a 100° angle.

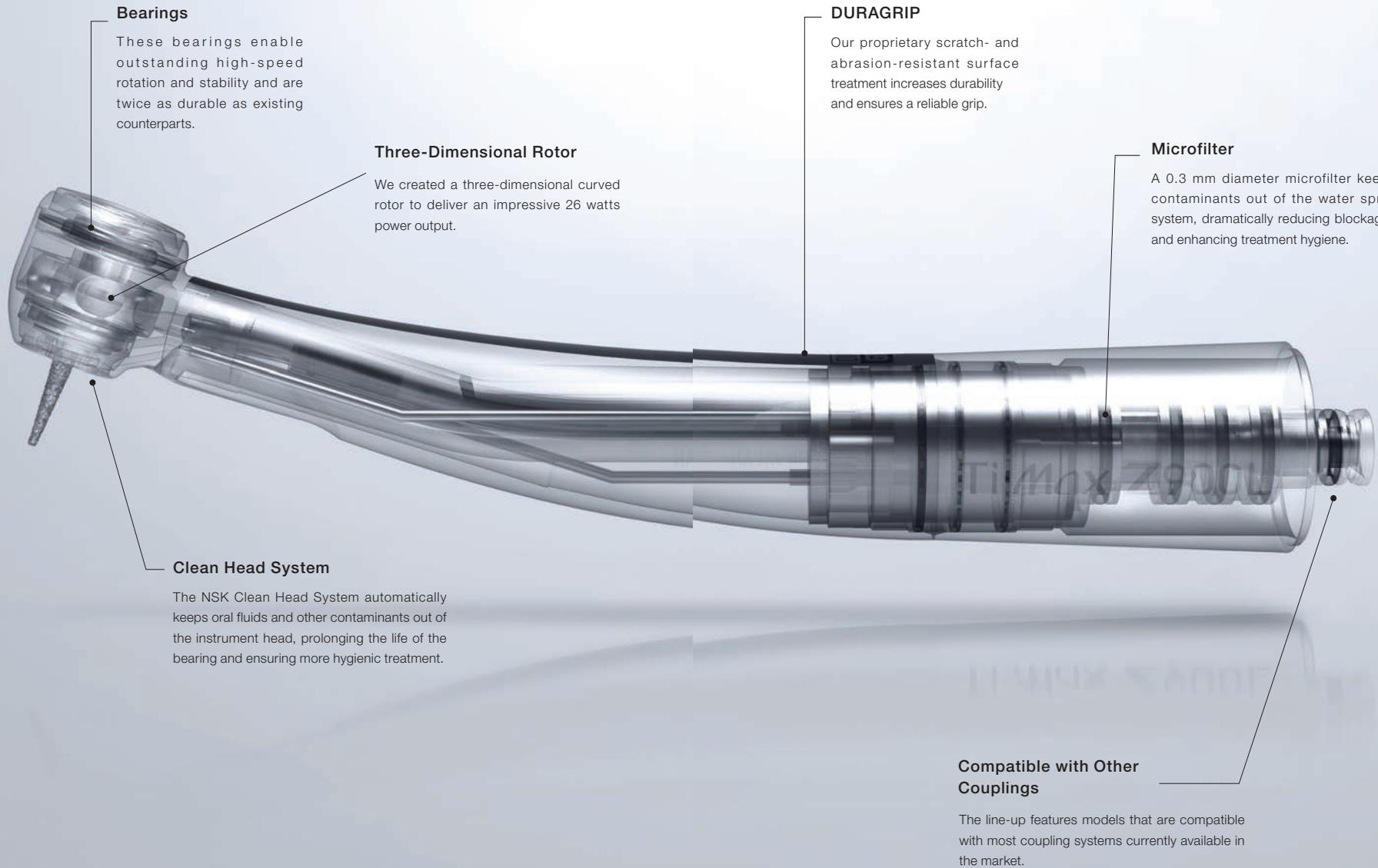
The 100° angle head allows better access to the posterior region. The mini head ensures a wide field of vision. The design is based upon the physiological shape of the oral cavity, facilitating low-stress operations when accessing the posterior region.



Head angle allows easy access

Easier to work with, better access without coming into contact with the anterior teeth, when working in the posterior region.

TECHNOLOGY & FUNCTION



Bearings

These bearings enable outstanding high-speed rotation and stability and are twice as durable as existing counterparts.

Three-Dimensional Rotor

We created a three-dimensional curved rotor to deliver an impressive 26 watts power output.

DURAGRIP

Our proprietary scratch- and abrasion-resistant surface treatment increases durability and ensures a reliable grip.

Microfilter

A 0.3 mm diameter microfilter keeps contaminants out of the water spray system, dramatically reducing blockages and enhancing treatment hygiene.

Clean Head System

The NSK Clean Head System automatically keeps oral fluids and other contaminants out of the instrument head, prolonging the life of the bearing and ensuring more hygienic treatment.

Compatible with Other Couplings

The line-up features models that are compatible with most coupling systems currently available in the market.

Ti-Max Z Premium



- Titanium Body
- DURAGRIP
- Cellular Glass Optics
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- Quattro Spray
- Microfilter (Z800/Z900)
- Quick Stop (Z micro)
- Simple Cartridge Change (Z micro)



Micro Head
 Power : 20 W
 Speed : 380,000-450,000 min⁻¹
 Head Size : ø9.0 x H 10.8 mm
 Dual use for regular standard bur / short shank bur

Miniature Head
 Power : 23 W
 : 21 W (except Z800L)
 Speed : 360,000-440,000 min⁻¹
 Head Size : ø10.8 x H 12.1 mm
 Dual use for regular standard bur / short shank bur

Standard Head
 Power : 26 W
 : 24 W (except Z900L)
 Speed : 320,000-400,000 min⁻¹
 Head Size : ø12.5 x H 13.1 mm
 Dual use for regular standard bur / short shank bur

NSK Couplings	Head	Optic	MODEL	ORDER CODE
	Micro	●	Z micro	PA2357
	Miniature	●	Z800L	P1110
	Standard	●	Z900L	P1111
KaVo® Coupling	Head	Optic	MODEL	ORDER CODE
	Micro	●	Z micro KL	PA2358
	Miniature	●	Z800KL	P1112
	Standard	●	Z900KL	P1113
Sirona® Coupling	Head	Optic	MODEL	ORDER CODE
	Micro	●	Z micro SL	PA2359
	Miniature	●	Z800SL	P1114
	Standard	●	Z900SL	P1115
W&H® Coupling	Head	Optic	MODEL	ORDER CODE
	Miniature	●	Z800WL*	P1120
	Standard	●	Z900WL*	P1121
Bien-Air® Coupling	Head	Optic	MODEL	ORDER CODE
	Miniature	●	Z800BL*	P1116
	Standard	●	Z900BL*	P1117

*Compatible Turbines with Integral LED



Washable in the thermodisinfector



Autoclavable up to 135°C



Washable in the thermodisinfector



Autoclavable up to 135°C

S-Max M

Advanced



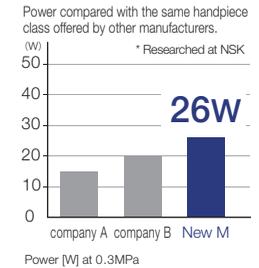
MORE POWERFUL



The new rotor design is optimized using a rotating air flow simulation, resulting in 26W of power through the efficient use of air supply energy.

26W power

The internal structure is completely redesigned to achieve superior noise and vibration reduction, including the new 26W high power rotor.



DURABILITY

All stainless body

The handpiece body is stainless steel, making it corrosion resistant and sturdy. Its satin-like finish fits comfortably in your hand.

Ceramic bearings

The ceramic bearings are 25% harder than steel and around half the weight, meaning very little wear, which helps the cartridge to last longer.

Clean Head System

The Clean Head System has an anti-suck back mechanism that stops blood and foreign matter from entering the head from the oral cavity. As a result, the ball bearings and mechanical parts last longer.

USABILITY

Simple cartridge change

The handpiece is designed with barrel type cartridge. The cartridge is easy to replace. Changing the cartridge also eliminates water blockage.

Quattro spray

Sprays more effectively over the entire bur for better cooling.

Push Button Chuck

The bur is released easily with the responsive and tactile push button.

S-Max M Advanced



- Stainless Steel Body
- Cellular Glass Optics
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- Quattro Spray
- Simple Cartridge Change



Miniature Head
 Power : 23 W
 Speed : 380,000-450,000 min⁻¹
 Head Size : ø10.6 x H 12.4 mm

Standard Head
 Power : 26 W
 Speed : 325,000-430,000 min⁻¹
 Head Size : ø12.1 x H 13.3 mm

NSK Couplings	Head	Optic	MODEL	ORDER CODE
	Miniature	●	M800L	P1253
		—	M800	P1255
	Standard	●	M900L	P1254
		—	M900	P1256

KaVo® Coupling	Head	Optic	MODEL	ORDER CODE
	Miniature	●	M800KL	P1257
		●	M900KL	P1258
	Standard	—	M900K	P1259

Sirona® Coupling	Head	Optic	MODEL	ORDER CODE
	Miniature	●	M800SL	P1261
		●	M900SL	P1262

W&H® Coupling	Head	Optic	MODEL	ORDER CODE
	Miniature	●	M800WL*	P1265
		●	M900WL*	P1266
	Standard	—	M900W	P1287

Bien-Air® Coupling	Head	Optic	MODEL	ORDER CODE
	Miniature	●	M800BL*	P1263
		●	M900BL*	P1264

*Compatible Turbines with Integral LED



S-Max pico

Special



The Innovative Air Turbine with Ultra Mini Head and Super Slim Body Shape

The NSK S-Max pico series has been developed for the operation of Minimal Intervention (M.I.). The ultra mini head and super slim handpiece design is the result of fine NSK precision engineering allowing a wider view of the operational field, and greater flexibility for dexterity.

Comparison of head sizes



Improve The Accuracy of Operation with The Microscope



The ultra mini head delivers expanded operational visibility and greater flexibility. Patient comfort is increased.

In combination with mirror technique



Size Specifications of The S-Max Pico Series

Dedicated Burs for S-Max pico Series

NSK has developed special ultra short shank burs to operate specifically with the pico handpiece. These high quality precision burs are concentric and durable. Use of NSK ultra short shank burs maximises the mini advantage of the pico handpiece.



Original bur of high precision
(Rotational speed: 400,000 min⁻¹)

S-Max pico Special



- Stainless Steel Body
- Cellular Glass Optics
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- Single Spray

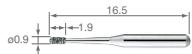


Power : 9 W
 Speed : 380,000-450,000 min⁻¹
 Head Size : ø8.6 x H 9.0 mm
 • For short shank burs / ultra short shank burs

NSK Couplings	Optic	MODEL	ORDER CODE
●		S-Max pico	P1140
KaVo® Coupling	Optic	MODEL	ORDER CODE
●		S-Max pico KL	P1142
Sirona® Coupling	Optic	MODEL	ORDER CODE
●		S-Max pico SL	P1143
W&H® Coupling	Optic	MODEL	ORDER CODE
●		S-Max pico WLED*	P1145
Bien-Air® Coupling	Optic	MODEL	ORDER CODE
●		S-Max pico BLED*	P1144

*Compatible Turbines with Integral LED

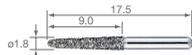
pico bur



MODEL	ORDER CODE
PC1	Y1001817
• Pack of 3	



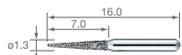
MODEL	ORDER CODE
PC2	Y1001818
• Pack of 3	



MODEL	ORDER CODE
PC3	Y1001819
• Pack of 3	



MODEL	ORDER CODE
PC3ff	Y1002019
• Extra fine bur	
• Pack of 3	



MODEL	ORDER CODE
PC4	Y1001820
• Pack of 3	



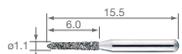
MODEL	ORDER CODE
PC4ff	Y1002020
• Extra fine bur	
• Pack of 3	



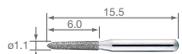
MODEL	ORDER CODE
PC5	Y1001821
• Pack of 3	



MODEL	ORDER CODE
PC5ff	Y1002021
• Extra fine bur	
• Pack of 3	



MODEL	ORDER CODE
PC6	Y1001822
• Pack of 3	



MODEL	ORDER CODE
PC6ff	Y1002022
• Extra fine bur	
• Pack of 3	

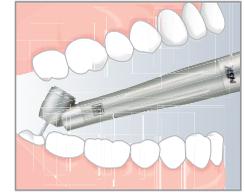


Ti-Max X450

Special

Unique 45-degree Angled Head Provides Incredible Accessibility

The slim-form Ti-Max X450 series possesses a unique 45-degree angled head specially designed to access hard-to-reach areas for sectioning and extraction of third molars and other impacted teeth. The X450's robust 21 watts of cutting power and effective cooling system - featuring triple water jets - ensure safe and effective treatment during a variety of surgical procedures.

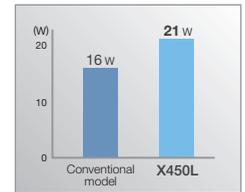


Superior Accessibility

The 45-degree angled head offers excellent accessibility and visibility during root separation procedures and the removal of hard tissue covering impacted third molars.

A Potent 21 W of Cutting Power

NSK's original twin-nozzle head fully transmits the power of the air turbine to the X450's rotor, generating the high torque needed for powerful, consistent cutting.



Triple Water Jets & Cellular Glass Optics

NSK's Triple Water Jet system efficiently bathes the bur at all operating speeds, providing maximum cooling.



The Ti-Max X450 Permits Optimal Access to Molars and a Diverse Range of Operative Procedures.

Mandibular Right Third Molar Extraction



Ti-Max X450

The labial and cheek mucous membranes do not interfere with treatment, and the bur can be maintained at a safe and optimal angle due to no contact on the turbine body. The X450's slim form factor also provides maximum visibility.



Standard Turbine's Head Angle

Extending the labial or cheek mucous membranes is hard, which makes feel delicate tactile sense while cutting difficult. Maintaining the bur at an optimal angle and direction is also problematic.

Ti-Max X450 Special

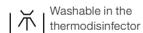


- Titanium Body with Scratch Resistant DURACOAT
- 45° Angle Head
- Cellular Glass Optics
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- Triple Water Jet

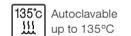
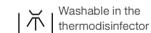


Power : 21 W
 : 18 W (except X450L)
 Speed : 380,000-450,000 min⁻¹
 Head Size : ø11.2 x H 13.5 mm
 • For FG extra-long burs (25 mm) only

	Optic	MODEL	ORDER CODE
NSK Couplings	●	X450L	P1078
KaVo® Coupling	●	X450KL	P1079
Sirona® Coupling	●	X450SL	P1080
W&H® Coupling	●	X450WLED*	P1082
Bien-Air® Coupling	●	X450BLED*	P1081



*Compatible Turbines with Integral LED





Pana-Max2

Basic

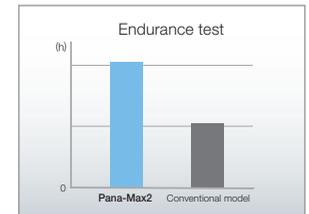
Unsurpassed Durability

Built to Excel in Clinical Situations.
 Featuring a Scratch-resistant
 Stainless Steel Body and Sturdier Turbine Head.
 Thanks to its uniquely designed shock-resistant head design,
 Pana-Max2's turbine rotor won't get damaged even if
 dropped from two meters onto a concrete floor.



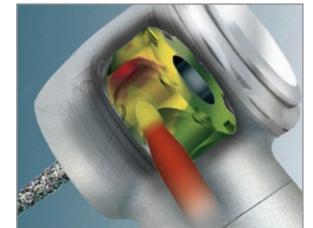
Exceptional Longevity.

Newly designed bearing structure with greater wear resistants
 and extended lifespan.



30% Power Boost

Pana-Max2 is dramatically more powerful than its predecessors thanks to the combination of NSK's air turbine simulation technologies. Rated at a maximum of 20 watts, this new model boasts the highest power rating in its class. That concentrated power, along with the bur's high rotational accuracy, creates a synergistic effect that ensures fast, precise treatments.



Pana-Max2 Basic

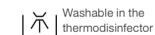


- Stainless Steel Body
- Ceramic Bearings
- Clean Head System
- NSK Ultra Push Chuck
- Single Spray



Speed : 350,000-450,000 min⁻¹
 Head Size : ø11.2 x H 13.4 mm

NSK Couplings	MODEL	ORDER CODE
	Pana-Max2 PTL	P1211
KaVo® Coupling	MODEL	ORDER CODE
	Pana-Max2 KV	P1212
Midwest 4 hole (Direct-connect / Screw-on Type)	MODEL	ORDER CODE
	Pana-Max2 M4	P1154
Borden 2 hole (Direct-connect / Screw-on Type)	MODEL	ORDER CODE
	Pana-Max2 B2	P1155



Pana-Max PLUS Basic



- Stainless Steel Body
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- Quattro Spray



Miniature Head
 Speed : 380,000-450,000 min⁻¹
 Head Size : ø10.6 x H 12.4 mm



Standard Head
 Speed : 340,000-410,000 min⁻¹
 Head Size : ø12.1 x H 13.3 mm

Midwest 4 hole
 (Direct-connect / Screw-on Type)



Head	MODEL	ORDER CODE
Miniature	PAP-MU M4	P1021

Standard	PAP-SU M4	P1022
-----------------	------------------	--------------

Borden 2 hole
 (Direct-connect / Screw-on Type)



Head	MODEL	ORDER CODE
Miniature	PAP-MU B2	P1023

Standard	PAP-SU B2	P1024
-----------------	------------------	--------------



CONTRA-ANGLES



Grade	PREMIUM	SPECIAL	SPECIAL	ADVANCED	ADVANCED	BASIC
Body	Titanium	Titanium	Titanium	Titanium	Stainless	Stainless
DURAGRIP	●	●	●			
DURACOAT				●		
Anti Heat System	●	●	●	●		
Ceramic Bearings	●	●	●	●	●	
Cellular Glass Optics	●	●	●	●	●	
Clean Head System	●	●	●	●	●	●
Push Button Chuck	●	●	●	●	●	●
Water Spray	Quattro	Quattro	Quattro	Quattro	Quattro	
Two-Way Spray Function	●	●				
Microfilter	●	●	●	●		
Ergo Grip	●	●	●	●	●	●

Ti-Max Z

Premium





ADVANCED TECHNOLOGY

Amazingly Silent Operation

Amazing silence and minimal vibration: The marriage of micro-precision parts and gears has lowered noise and vibration even more to provide comfort for clinicians and patients alike.



Anti Heat System (Z95L, Z85L, Z84L)

Our proprietary Anti Heat System dramatically reduces the heat typically experienced with speed increasing contra-angles. This feature improves patient safety without compromising manoeuvrability.

DURABLE

A Stunningly Durable and Reliable Handpiece

NSK has combined advanced design and world-class processing technology to create incredibly durable instruments. The gear is coated with special diamond-like carbon to make wear resistance up to five times greater than on previous models. NSK's advanced technologies have boosted sterilization resistance, delivering even better reliability for dental practices.

COMFORT

The Ultimate in Handpieces The Result of Invaluable Clinical Feedback

The handpiece is more user-friendly, cleaner, and safer. By reviewing everything from the shape of the instrument, to hygiene aspects and safety features using the most advanced technologies, we have made the contra-angle more ergonomic and comfortable for the clinician and safer for the patient, reducing stress for clinicians and patients alike. Only NSK's Ti-Max Z premium range offers these unique features.

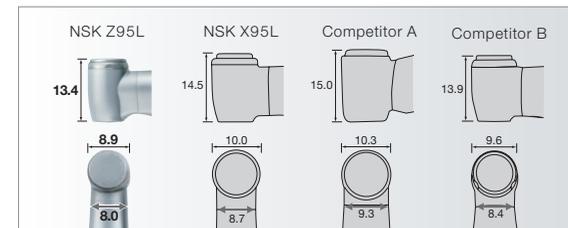
OUTSTANDING OPERABILITY

The Smallest Head

The head is angled 2° more than on the X95L for much better visibility and accessibility even for molars and other areas that are difficult to treat.

The Slimmest Neck

The slimmer neck provides much better visibility compared to existing products, delivering wide visibility of all treatment areas.



TECHNOLOGY & FUNCTION

Anti Heat System

Our proprietary Anti Heat System dramatically reduces heat generation to prevent burning.
(With Z95L/Z85L/Z84L)

DURAGRIP

Our proprietary scratch- and abrasion-proof surface treatment increases durability and ensures a secure grip.

Microfilter

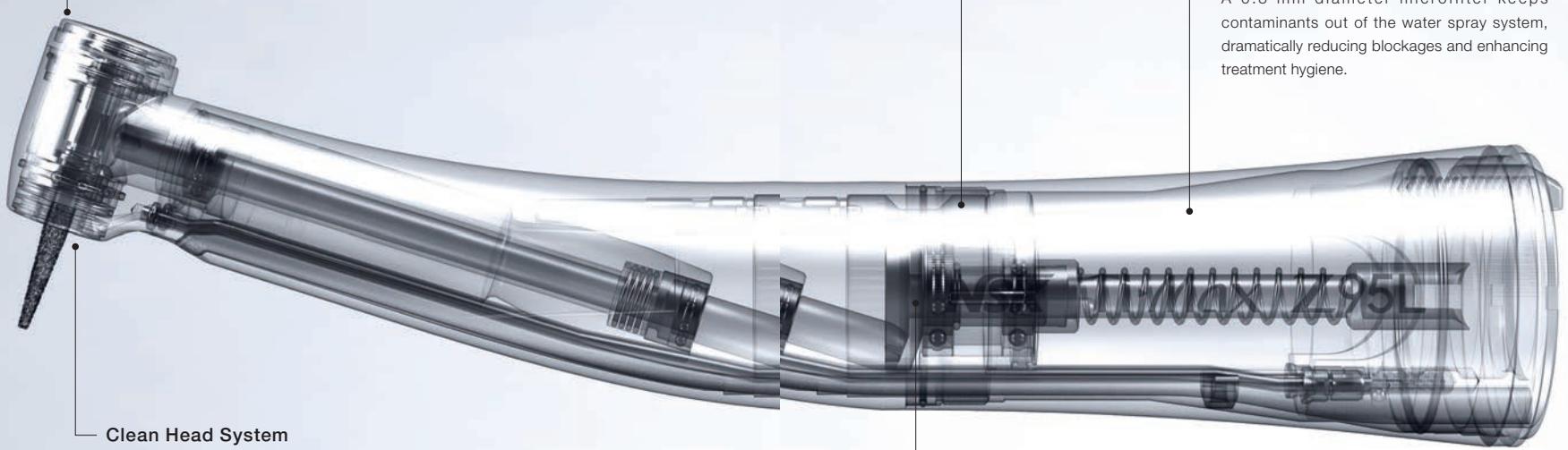
A 0.3 mm diameter microfilter keeps contaminants out of the water spray system, dramatically reducing blockages and enhancing treatment hygiene.

Clean Head System

The patented NSK Clean Head System automatically keeps oral fluids and other contaminants out of the instrument head, prolonging the life of the bearing and ensuring more hygienic treatment.

Amazing Silence and Minimal Vibration

The marriage of micro-precision parts and gears has lowered noise and vibration even more.



Ti-Max Z Premium

- Titanium Body with Scratch Resistant DURAGRIP
- Cellular Glass Optics
- Push Button Chuck
- Clean Head System (Exclude Z24L)
- Microfilter



	Optic	MODEL	ORDER CODE
1:5 Increasing	●	Z95L	C1034

- Quattro Spray (with two way spray function)
- Max Speed: 200,000 min⁻¹
- For FG burs (ø1.6)
- Ceramic Bearings
- Anti Heat System



Head size comparison
Z85L offering extraordinary
visibility and accessibility.



	Optic	MODEL	ORDER CODE
1:5 Increasing	●	Z85L	C1062

- Single Spray
- Miniature Head
- Max Speed: 200,000 min⁻¹
- For FG burs (ø1.6)
- Ceramic Bearings
- Anti Heat System
- *Short Shank burs only



Head size comparison
Z84L offering extraordinary
visibility and accessibility.



	Optic	MODEL	ORDER CODE
1:4.5 Increasing	●	Z84L	C1135

- Quattro Spray (with two way spray function)
- Miniature Head
- Max Speed: 180,000 min⁻¹
- For FG burs (ø1.6)
- Ceramic Bearings
- Anti Heat System
- *Short Shank burs only



	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	Z25L	C1038

- Single Spray (with two way spray function)
- Max Speed: 40,000 min⁻¹
- For CA burs (ø2.35)



	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	Z24L	C1126

- Single Spray
- Miniature Head
- Max Speed: 40,000 min⁻¹
- For CA burs (ø2.35)



	Optic	MODEL	ORDER CODE
4:1 Reduction	●	Z15L	C1039

- Single Spray (with two way spray function)
- Max Speed: 10,000 min⁻¹
- For CA burs (ø2.35)



	Optic	MODEL	ORDER CODE
16:1 Reduction	●	Z10L	C1040

- Single Spray
- Max Speed: 2,500 min⁻¹
- For CA burs (ø2.35)

Ti-Max Z45L

Special



45-degree Angled Head Supplies Superior Accessibility and Maximum Visibility

The world's first 45-degree contra-angle, Ti-Max Z45L provides effortless access to hard-to-reach molars that a standard contra-angle simply can't match. The slim-form Ti-Max Z45L also offers excellent visibility and high operability, creating more space between adjacent teeth and the handpiece body. Ti-Max Z45L's powerful and consistent cutting shortens treatment time for time-consuming sectioning and third-molar extractions compared to standard contra-angles, dramatically reducing stress for both clinicians and patients.



Superior Accessibility

The 45-degree angled head allows easy access to the molar region, minimizing interference from the front teeth and adjacent teeth.



Sectioning a Mandibular Left Impacted Third Molar



Caries Removal from a Maxillary Left Lateral Incisor's Cervical Area



Caries Removal from a Maxillary Left Second Premolar on Palatal Side



Clarifying the Root Canal Orifice of a Mandibular Right Second Premolar



Water Jet



Mist

Two-Way Spray Function

The world's first two-way spray function allows you to instantly choose between a mist or jet spray depending on the conditions and procedure. The water jet spray prevents subcutaneous emphysema in surgical procedures, and the mist spray effectively cools the bur while cutting.



- Titanium Body with Scratch Resistant DURAGRIP
- 45° Angle Head
- Ceramic Bearings
- Push Button Chuck
- Quattro Spray (with two way spray function)
- Microfilter
- For FG burs (ø1.6)
- Cellular Glass Optics
- Clean Head System
- Anti Heat System
- Max Speed: 168,000 min⁻¹

	Optic	MODEL	ORDER CODE
1:4.2 Increasing	●	Z45L	C1064



Washable in the thermodisinfector



Autoclavable up to 135°C

Ti-Max nano

Special



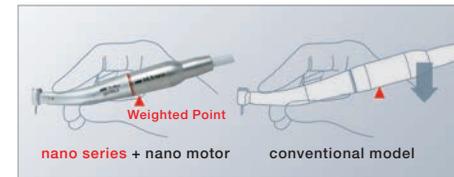
Shorter, Perfectly Balanced

Shorter, lighter and perfectly balanced, "nano series" instruments are designed to be natural extensions of the clinician's hand, ensuring smoother procedures. Even during implant operations that require delicate and precise movements, a "nano series" faithfully mirrors the user's intent. NSK continues to challenge the limits of manufacturing and pioneer next-generation contra-angles.

Perfect Balance

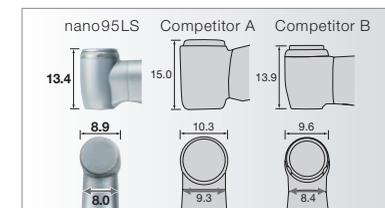
NSK's nano series preserves the high performance NSK contra-angles are known for, while these new instruments are approximately 10 percent smaller and lighter than conventional models. Yet, in combination with NLX nano micromotor nano series gives you the ease of manoeuvrability and accuracy you are used to from your air-turbine.

Reducing size and weight shifts the center of gravity to an optimal position, dramatically reducing fatigue during procedures and improving your fingertip dexterity.



Smaller and Slimmer

nano95LS has smaller head and slimmer neck dimensions.



Outstanding Durability

The nano95LS gear shapes have been designed using High Spec 3D simulation software to achieve optimal results in terms of durability and noise level minimization. In addition, special DLC Coating (Diamond-Like-Carbon) is applied to the gears, dramatically increasing durability.

nano Series instruments are compatible with NSK motor line up (NLX nano, NLX plus, M40LED, NBX, NBX N, X205L, M205LG and SGL70M micromotors) and other motors with insert less than 23 mm.

Ti-Max nano Special

- Titanium Body with Scratch Resistant DURAGRIP
- Cellular Glass Optics
- Clean Head System
- Push Button Chuck (Exclude nano65LS)
- Microfilter



- Quattro Spray
- For FG burs (ø1.6)
- Ceramic Bearings
- Anti Heat System
- Max Speed: 200,000 min⁻¹

	Optic	MODEL	ORDER CODE
1:5 Increasing	●	nano95LS	C1099



- Single Spray
- For CA burs (ø2.35)
- Max Speed: 40,000 min⁻¹

	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	nano25LS	C1100



- Single Spray
- For CA burs (ø2.35)
- Max Speed: 10,000 min⁻¹

	Optic	MODEL	ORDER CODE
4:1 Reduction	●	nano15LS	C1101

Straight Handpiece



- Single Spray
- For HP / CA burs (ø2.35)*
- Max Speed: 40,000 min⁻¹
- *Need to insert the supplied bur stopper

	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	nano65LS	H1048



Washable in the thermodisinfecteur



Autoclavable up to 135°C



Washable in the thermodisinfecteur



Autoclavable up to 135°C

Ti-Max X

Advanced



- Titanium Body with Scratch Resistant DURACOAT • Cellular Glass Optics
- Clean Head System • Push Button Chuck (Exclude X65L / X65)
- Microfilter (Exclude X65L / X65)



- Quattro Spray • For FG burs (ø1.6)
- Ceramic Bearings
- Anti Heat System
- Max Speed: 200,000 min⁻¹



	Optic	MODEL	ORDER CODE
1:5 Increasing	●	X95L	C600
	—	X95	C610



- Single Spray
- For CA burs (ø2.35)
- Max Speed: 40,000 min⁻¹



	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	X25L	C601
	—	X25	C611

- Single Spray
- For CA burs (ø2.35)
- Max Speed: 10,000 min⁻¹



	Optic	MODEL	ORDER CODE
4:1 Reduction	●	X15L	C602
	—	X15	C612

Straight Handpiece

- Single Spray
 - For HP burs (ø2.35)
 - For CA burs (ø2.35)*
 - Max Speed: 40,000 min⁻¹
- *Need to insert the supplied bur stopper



	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	X65L	H273
	—	X65	H274



CONTRA-ANGLES

- Titanium Body with Scratch Resistant DURACOAT
- Cellular Glass Optics
- Microfilter (Exclude X57L / X57 / X95EX)
- Clean Head System
- Push Button Chuck



	Optic	MODEL	ORDER CODE
10:1 Reduction	●	X12L	C606
	—	X12	C616

- Single Spray
- For CA burs (ø2.35)
- Max Speed: 4,000 min⁻¹

External Water Spray



	Optic	MODEL	ORDER CODE
1:5 Increasing	—	X95EX	C1072

- Ceramic Bearings
- Quattro Spray
- For FG burs (ø1.6)
- Max Speed: 200,000 min⁻¹

Endodontic Handpiece



	Optic	MODEL	ORDER CODE
10:1 Reduction	●	X35L	C620
	—	X35	C624
MODEL		ORDER CODE	
QF Adaptor		C877701	

- Single Spray
- For Hand File & Engine File
- 60° Twist
- Push Button Chuck
- Max Speed: 4,000 min⁻¹



Prophylaxis Handpiece



Special Dust Proof

- For Screw-in Cups and Brushes
- 360° Rotation
- w/o Spray
- Max Speed: 2,500 min⁻¹



	Optic	MODEL	ORDER CODE
16:1 Reduction	●	X57L	C609
	—	X57	C619



With Tip Lock Mechanism

- Single Spray
- For Profin / EVA Tips
- Vertical Reciprocating (Stroke Length 1.4 mm)
- Lamineer Tips not included
- Max Speed: 10,000 min⁻¹
- Please keep the rotation speed with your life manufactures designate. (X35L/X35)



	Optic	MODEL	ORDER CODE
4:1 Reduction	●	X55L	C608
	—	X55	C618

S-Max M

Advanced



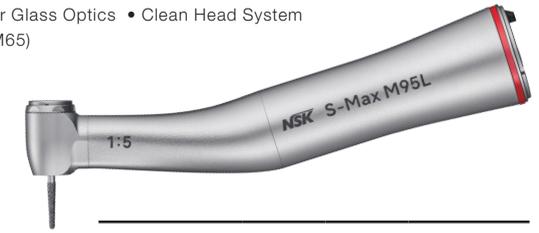
TOUGHNESS

The S-Max M series contra-angles have dramatically improved durability, and feature an updated internal body design and chuck mechanism. They are NSK's next-generation standard - a marriage of ergonomic sophistication and smooth cutting feel. Experience them for yourself.

- Stainless Steel Body • Cellular Glass Optics • Clean Head System
- Push Button Chuck (Exclude M65)



- Quattro Spray
- For FG burs (ø1.6)
- Ceramic Bearings
- Anti Heat System
- Max Speed: 200,000 min⁻¹



	Optic	MODEL	ORDER CODE
1:5 Increasing	●	M95L	C1023
	—	M95	C1026



- Single Spray
- For CA burs (ø2.35)
- Max Speed: 40,000 min⁻¹



	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	M25L	C1024
	—	M25	C1027

- Single Spray
- For CA burs (ø2.35)
- Max Speed: 10,000 min⁻¹



	Optic	MODEL	ORDER CODE
4:1 Reduction	●	M15L	C1025
	—	M15	C1028

Straight Handpiece

- Single Spray • For HP burs (ø2.35)
- For CA burs (ø2.35)*
- Max Speed: 40,000 min⁻¹

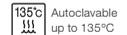
*Need to insert the supplied bur stopper



	Optic	MODEL	ORDER CODE
1:1 Direct Drive	—	M65	H1008



Washable in the thermodisinfectant



Autoclavable up to 135°C

FX series

Basic



Integrated Handpieces : Ergonomic :Functional : Reliable

After 35 years of outstanding global success, the classic NSK EX handpiece series has now evolved into a new stage. - NSK FX handpiece series - a modernization of the EX series. The traditional NSK simple design technology, functional reliability, durability, and cost effective pricing still remains, but FX has been updated to an integrated design in response to modern demands.

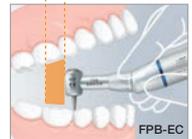
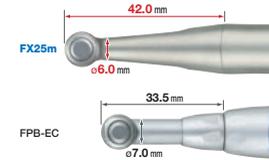
Durable Stainless Steel Body

Stainless is lighter and more durable than brass. Handpiece weight is considerably reduced and ergonomic hand comfort is greatly enhanced with a realistic tactile sense.

Improved Visibility : Ideal Balance

The extra slim head and body design greatly improves direct and indirect visibility to the oral operational field. This includes increased visibility of even difficult access areas in the oral cavity.

The slim, lighter weight design delivers an entirely comfortable ergonomic balance, especially when used in conjunction with the new NSK FX Mini Air motor.



Maximum accessibility

Easy Cartridge Replacement

In some instances cartridges are easily replaced in surgery with the accessory tools supplied with the new product. Service costs and downtime are reduced (FX25m).



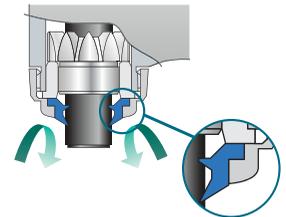
Clean Head System

The patented NSK Clean Head System is a special mechanism designed to automatically prevent the entry of oral fluids and other contaminants into the handpiece head prolonging the life of the bearings. (FX25m / FX15m / FX65m)



FX57m Paste Defense System

The prophylaxis handpiece head incorporates the unique NSK Paste Defense System which prevents dust and polishing paste debris from entering the handpiece. In addition, the NSK DLC coating on the rotor prevents possible breakage caused by surface abrasions from the polishing paste. These are some features that illustrate extended FX handpiece durability.



FX series Basic

General Applications Handpiece



- For CA burs (ø2.35)
- Push Button Chuck
- Stainless Steel Body
- Clean Head System
- Ball Bearing
- External Water Spray
- Max Speed: 40,000 min⁻¹

MODEL	ORDER CODE
1:1 Direct Drive FX25m	C1052001



- For CA burs (ø2.35)
- Latch type
- Max Speed: 30,000 min⁻¹

MODEL	ORDER CODE
1:1 Direct Drive FX22	C1129



- For CA burs (ø2.35)
- Push Button Chuck
- Stainless Steel Body
- Clean Head System
- Ball Bearing
- External Water Spray
- Max Speed: 10,000 min⁻¹

MODEL	ORDER CODE
4:1 Reduction FX15m	C1053001

Endodontic Handpiece



- Miniature Head
- For engine files
- Stainless Steel Body
- 360° Rotation
- Push Button Chuck
- Max Speed: 1,250 min⁻¹

MODEL	ORDER CODE
16:1 Reduction FX75m	C1055001

Prophylaxis Handpiece



- For screw-in cups and brushes
- Stainless Steel Body
- 360° Rotation • w/o Spray
- Paste Defense System
- Max Speed: 5,000 min⁻¹



MODEL	ORDER CODE
4:1 Reduction FX57m	C1054001

Straight Handpiece



- For HP burs (ø2.35)
- Stainless Steel Body
- Clean Head System
- External Water Spray
- Max Speed: 40,000 min⁻¹

MODEL	ORDER CODE
1:1 Direct Drive FX65m	H1014001

EX series Basic

Heads for General Application



MODEL	ORDER CODE
FPB-Y	C875

- For CA burs (ø2.35) • Clean Head System
- Push Button Chuck • Ball Bearing
- External Water Spray • Max Speed: 40,000 min⁻¹



MODEL	ORDER CODE
NM-Y	C247

- Miniature Head • Latch type
- For CA burs (ø2.35)
- Max Speed: 30,000 min⁻¹



MODEL	ORDER CODE
NAC-Y	C032002

- For CA burs (ø2.35) • Latch type
- External Water Spray
- Max Speed: 30,000 min⁻¹



MODEL	ORDER CODE
FFB-Y	C884

- For FG burs (ø1.6) • Clean Head System
- Push Button Chuck • External Water Spray
- Max Speed: 40,000 min⁻¹



MODEL	ORDER CODE
BB-Y	C037

- For CA burs (ø2.35) • Latch type
- Ball Bearing • External Water Spray
- Max Speed: 40,000 min⁻¹



MODEL	ORDER CODE
NRS2-Y	C549

- 10:1 Reduction • For CA burs (ø2.35)
- Clean Head System • Push Button Chuck
- Max Speed: 3,000 min⁻¹



MODEL	ORDER CODE
NBBW-Y	C211

- For CA burs (ø2.35) • Latch type
- Ball Bearing • With Water Nozzle
- Max Speed: 40,000 min⁻¹

Heads for Prophylaxis Application



MODEL	ORDER CODE
AR-Y (S)	C187

- For screw-in cups and brushes
- Max Speed: 5,000 min⁻¹



MODEL	ORDER CODE
EVA-Y	C235

- For Eva tips • Vertical Reciprocating (Stroke Length 1.4 mm)
- Max Speed: 10,000 min⁻¹



MODEL	ORDER CODE
AR-Y (K)	C188

- For snap-on cups
- Max Speed: 5,000 min⁻¹

Heads for Endodontic Application



MODEL	ORDER CODE
MP-Y	C547

- Miniature Head • Push Button Chuck
- Max Speed: 20,000 min⁻¹



MODEL	ORDER CODE
TEQ-Y	C849

- 80° Twist • For engine files (ø2.35)
- Push Button Chuck
- Max Speed: 4,000 min⁻¹



MODEL	ORDER CODE
MPA-Y	C548

- Connection for Apex locator (For long shank)
- Miniature Head • Push Button Chuck
- Max Speed: 20,000 min⁻¹



MODEL	ORDER CODE
TEP-Y	C837

- 60° Twist • For hand files
- Push Button Chuck • External Water Spray
- Max Speed: 4,000 min⁻¹



MODEL	ORDER CODE
MPAS-Y	C882

- Connection for Apex locator (For short shank)
- Miniature Head • Push Button Chuck
- Max Speed: 20,000 min⁻¹

Shanks



MODEL	ORDER CODE
EC-30	C100008

- 1:1 Direct Drive



MODEL	ORDER CODE
ER10	C635

- 10:1 Reduction



MODEL	ORDER CODE
ER4	C634

- 4:1 Reduction



MODEL	ORDER CODE
ER16	C636

- 16:1 Reduction

• Shanks and heads are sold separately. You can combine Shanks and heads according to your wishes and the indication.



FPB-Y, FFB-Y, NRS2-Y, AR-Y (S), AR-Y (K) and EVA-Y can be washed in the thermoisolator.



Autoclavable up to 135°C



MP-Y, MPA-Y, MPAS-Y, TEP-Y, EC-30 and ER4M can be washed in the thermoisolator.



Autoclavable up to 135°C

EX series Basic



- For CA burs (ø2.35)
- Latch type
- External Water Spray
- Max Speed: 30,000 min⁻¹

	MODEL	ORDER CODE
1:1 Direct Drive	NAC-EC	Y110148



	MODEL	ORDER CODE
Spray Nozzle	C032701	

- For NAC (Optional)

Straight Handpieces



- For HP burs (ø2.35)
- Clean Head System
- External Water Spray
- Max Speed: 40,000 min⁻¹

	MODEL	ORDER CODE
1:1 Direct Drive	EX-6B	H260001



- For HP burs (ø2.35)
- Clean Head System
- Max Speed: 40,000 min⁻¹

	MODEL	ORDER CODE
1:1 Direct Drive	EX-6D	H267001



- For HP burs (ø2.35)
- Clean Head System
- External Water Spray
- Max Speed: 10,000 min⁻¹

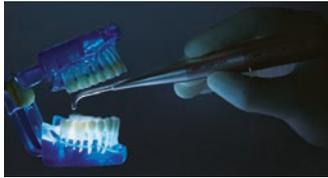
	MODEL	ORDER CODE
4:1 Reduction	EX-5B	H262



	MODEL	ORDER CODE
Spray Nozzle	H019711	

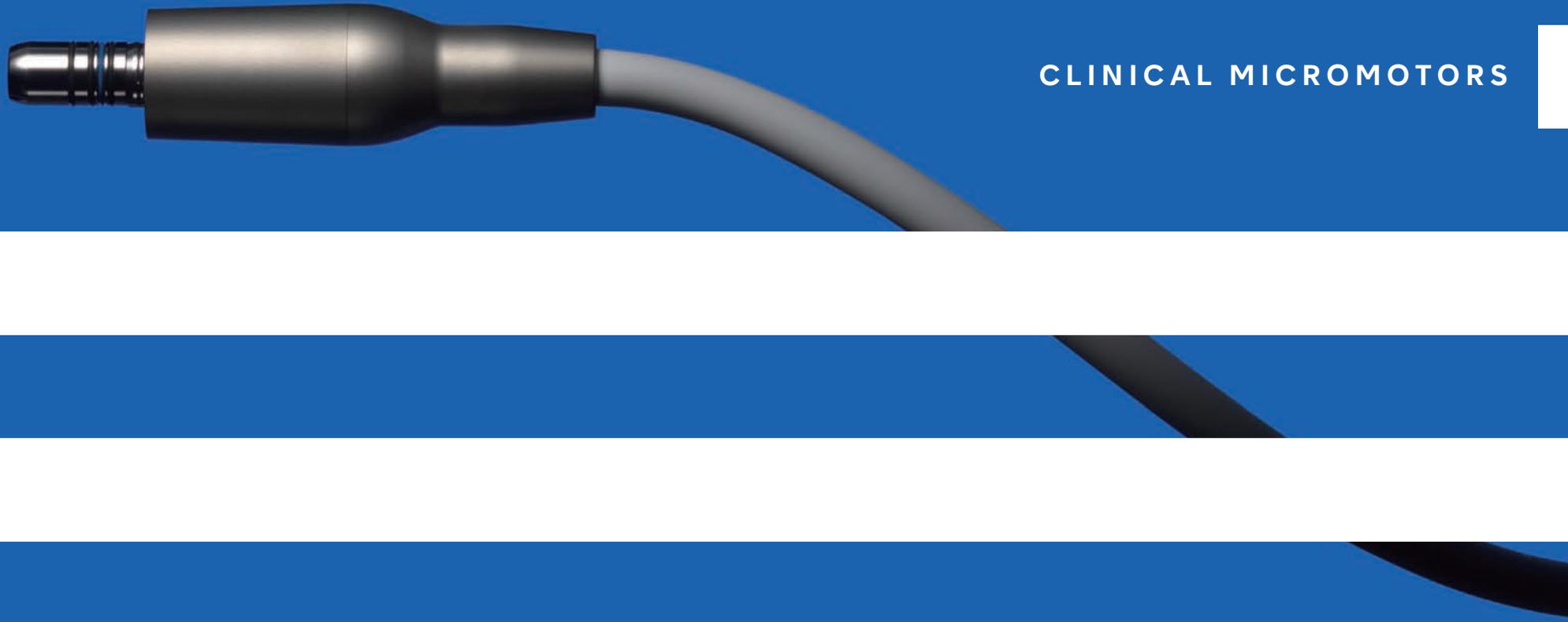
- For EX-6B, EX-5B (Optional)

isoE-LUX Light Probe



- E-Type Optic Motor Connection
- Glass Fiber Optics
- Stainless Steel Body

Optic	MODEL	ORDER CODE
●	isoE-LUX	Z1265



CLINICAL MICROMOTORS

NLX nano



A New Generation of Micromotor as Well Balanced as an Air Turbine

NLX nano has been designed to minimize weight and size to improve the balance of instrument and motor in the hand of the clinician, reducing fatigue during prolonged procedures.

Despite its small size and light weight, the NLX nano is as powerful as traditional micromotors and offers wider range of speeds. Its 180° Vector Control assures smooth and stepless control over the entire speed range.

Thanks to LED illumination, it now delivers 32,000 LUX, natural daylight quality light and assures clearer vision, reducing fatigue during operation.

Feel our quality of NLX nano micromotor.

More Than 25% Shorter and 20% Lighter

Thanks to NSK know how, NLX nano has been designed to reduce weight by 20% and size by more than 25% compared with the current NSK micromotor. Despite its smaller size and lighter weight, NLX nano is as powerful and offers the same speed range as the current brushless NSK clinical micromotors.



Perfect Balance

The balance of the motor and instrument combined has been dramatically improved as the weight and size of NLX nano has been reduced drastically.

The overall length of instrument and NLX nano micromotor are almost the same as the length of air turbines and couplings, thus enabling practitioners use contra-angles and NLX nano micromotors just like the use of air turbines.



Wider Clinical Applications

NLX nano covers a wide speed range and is compatible with your existing optic and non-optic contra-angles. Combined with a wide range of contra-angles, it covers a speed range of 100 – 200,000 min⁻¹, to make it suitable for any applications.

	100	1,000	2,000	2,500	10,000	40,000	200,000
Z10L 16:1			100–2,500 min ⁻¹				
Z25L 1:1				2,000–40,000 min ⁻¹			
Z95L 1:5						10,000–200,000 min ⁻¹	



- System : 180° Vector Control System
- Motor Type : Sensorless DC Brushless Micromotor
- Motor Speed : 2,000 – 40,000 min⁻¹ (NLX nano U)
: 1,000 – 40,000 min⁻¹ (NLX BF)
- Torque : Max. 3.4 Ncm
- Weight : 61 g (micromotor only)
- Light : White LED

NLX nano

Electric Micromotor Portable System

- Speed : 2,000 – 40,000 min⁻¹, Torque : 3.4 Ncm



Contents

- NLX nano U (Control Unit)
- NLX nano (Motor)
- NLX CD (Cord) • NLAC (AC Adaptor)

Specifications (Control Unit)

- Rated Input : AC 28 V 50/60 Hz
- Dimensions : W 127 x D 149 x H 54 (mm)
- Weight : 517 g

Optic	MODEL	ORDER CODE
●	NLX nano S230	Y1001362

Portable System Individual Components



- NLX nano micromotor only (Cord not included)
- Solid Titanium Body
- Autoclavable up to 135°C
- Internal Water Spray
- Brushless



Optic	MODEL	ORDER CODE
●	NLX nano	E1044051

- NLX nano micromotor cord for portable system (2.2 m)



MODEL	ORDER CODE
NLX CD	E1044061

- AC Adaptor for NLX nano micromotor
- For NLX nano portable system only



MODEL	ORDER CODE
NLAC	Y141135

Electric Micromotor Integrated System

- Speed : 1,000 – 40,000 min⁻¹, Torque : 3.4 Ncm



Integrated System Individual Components



- NLX nano micromotor only (Cord not included)
- Solid Titanium Body • Autoclavable up to 135°C
- Internal Water Spray • Brushless



Optic	MODEL	ORDER CODE
●	NLX nano	E1044051

- NLX nano micromotor cord for integrated system (2.2 m)



MODEL	ORDER CODE
nano CDB	E1044066

- Power module with lamp and air function for integrated system
- Dimensions with case : W 115 x D 68.5 x H 40 (mm)



MODEL	ORDER CODE
NLX BF	Y1002122

- 24 Vac - 32 Vdc converter for integrated system
- Dimensions : W 60.2 x D 81.4 x H 45.2 (mm)



MODEL	ORDER CODE
NLS-A ADP	U1020050

- Selector module for integrated system
- Dimensions : W 68.5 x D 56.5 x H 38.5 (mm)



MODEL	ORDER CODE
NLS-A SEL	Y1002125

- Multi-Control Panel for built-in system
- Dimensions : W 95 x D 138 x H 31 (mm)



MODEL	ORDER CODE
Multi Pad	Y1001845
Multi Pad AX (Auto Select)	Y1001846

NLX plus

Electric Micromotor Integrated System

- Speed : 100 – 40,000 min⁻¹, Torque : 4.0 Ncm, with Endo Function
- Internal Water Spray
- BRUSHLESS

Features

- Torque control & Auto reverse feature
- 3 working modes: Auto-reverse on, Auto-stop or Auto-reverse off
- Autoclavable titanium body
- LED illumination
- Installable built-in type conforms to most dental equipments by employing original NLX BF power module



Integrated System Individual Components



- NLX plus micromotor only (Cord not included) • Solid Titanium Body
- Autoclavable up to 135°C • Internal Water Spray
- Brushless



Optic	MODEL	ORDER CODE
●	NLX plus	E1040051

- NLX plus micromotor cord for integrated system (2.2 m)



MODEL	ORDER CODE
plus CD	E1040062

- Power module with lamp and air function for integrated system
- Dimensions with case : W 115 x D 68.5 x H 40 (mm)



MODEL	ORDER CODE
NLX BF	Y1002122

- 24 Vac - 32 Vdc converter for integrated system
- Dimensions : W 60.2 x D 81.4 x H 45.2 (mm)



MODEL	ORDER CODE
NLS-A ADP	U1020050

- Selector module for integrated system
- Dimensions : W 68.5 x D 56.5 x H 38.5 (mm)



MODEL	ORDER CODE
NLS-A SEL	Y1002125

- Multi-Control Panel for built-in system
- Dimensions : W 95 x D 138 x H 31 (mm)



MODEL	ORDER CODE
Multi Pad	Y1001845
Multi Pad AX (Auto Select)	Y1001846

NBX

Electric Micromotor Integrated System

- Speed : 60 – 40,000 min⁻¹
- Internal Water Spray
- BRUSH



Integrated System Individual Components



- Micromotor only (Cord not included) • Solid Titanium Body
- Internal Water Spray • Brush



Optic	MODEL	ORDER CODE
●	NBX	E1059051

- NBX micromotor cord for integrated system (2.2 m)



MODEL	ORDER CODE
NBX CDB	E1059061

- Power module for integrated system
- Dimensions : W 86 x D 57 x H 33 (mm)



MODEL	ORDER CODE
IMD BS	Y1002847

- Selector module for integrated system
- Dimensions : W 68.5 x D 56.5 x H 38.5 (mm)



MODEL	ORDER CODE
IMD SEL	Y1002848

- Multi-Control Panel for built-in system
- Dimensions : W 95 x D 138 x H 31 (mm)



MODEL	ORDER CODE
Multi Pad	Y1001845
Multi Pad AX (Auto Select)	Y1001846

NBX

Ultracompact LED Electrical Micromotor

Ultracompact and lightweight body as a result of applying the latest materials and know-how

Key Features



- Quiet smooth operation to maximum of 40,000 min⁻¹
- Minimal heat generation
- LED incorporated in micromotor (only NBX OPTIC)
- Solid Titanium outer Body



- Max. 40,000 min⁻¹
- Micromotor only (Cord not included)
- Ultracompact and lightweight outer titanium body
- Internal Water Spray
- Brush

Optic	MODEL	ORDER CODE
●	NBX	E1059051
—	NBX N	E1074051

Motor Cord



Optic	MODEL	ORDER CODE
●	NBX CDB	E1059061
—	NBX N CDB	E1074061

- With constant current • Motor Cord only

M40 XS

Easy to Connect to Bien-Air® 4VLM and 4VR 400 Hoses

Features



- Quiet smooth operation from 60 to 40,000 min⁻¹
- Minimal heat generation
- Compact and light coreless electric micromotor
- LED illumination is incorporated inside the optic micromotor (M40 XS)
- Titanium body with Scratch Resistant DURACOAT

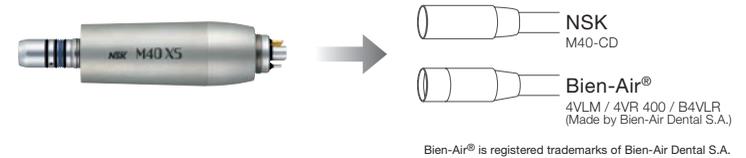


- Made Shorter and Lighter for Perfect Balance
- Advantages of using - LED light
- Ergonomic Shape
- Internal Water Spray
- Brush

Optic	MODEL	ORDER CODE
●	M40 XS	E1135051
—	M40N XS	E1136051

Connect Direct to Existing

- Bien-Air® 4VLM tubing • Bien-Air® 4VR 400 tubing • Bien-Air® B4VLR tubing



NSK Motor Cord



MODEL	ORDER CODE
M40-CD	S900100

Multi Pad

Multi-Control Panel for Built-in System

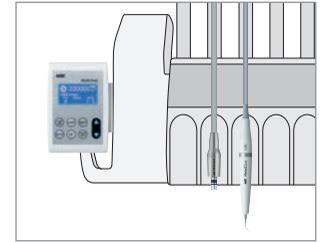


Integrated into Existing Equipment with The Latest Leading Edge Technology

NSK's Multi Pad uniquely enables control of the NLX nano and NLX plus electric micromotors and the Varios 170 ultrasonic scaler in one system. When partnered with Multi Pad, the NLX nano reaches speeds of 1,000 - 40,000 min⁻¹ and delivers a powerful 3.4 Ncm torque, whilst the NLX plus additionally offers 3 user-friendly endo modes; auto-reverse on, auto-stop and auto-reverse off. NSK's Multi Pad can also be used to control all functions of the Varios 170 ultrasonic scaler.

Features

- User friendly LCD display and interface to select settings.
- Visual identification on the display is possible even during operation of the handpiece.
- Up to 8 programs (motor only).
- Supports 5 languages (English, Español, Italiano, Français and Deutsch).



The Integrated System

Electric Micromotor Integrated System (NLX BF) and Multi Function Ultrasonic Scaler (Varios 170) can be controlled with the system.



- Multi Pad Unit
- Angle Plate (Mounting bracket)
- Screws

Multi Pad Complete Sets

MODEL	ORDER CODE
Multi Pad	Y1001845
Multi Pad AX (Auto Select)	Y1001846

Specifications

• Input voltage	: DC + 12 V
• Input connect	: 100 mA
• Max. output power	: 1.2 W
• Dimensions	: W 95 x D 138 x H 31 (mm)

Air Motor



Ti-Max X205L

Shorter and Lighter -
Ergonomic Comfort & Improved Balance



Advantages

- Shorter and lighter unsurpassed balance Air motor
- 360° Swivel with LED illumination (32,000 LUX)

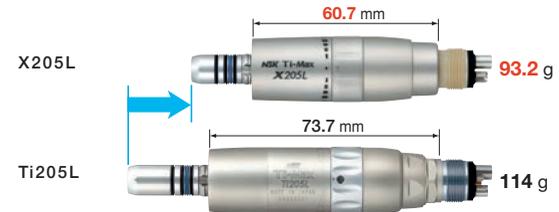


- 360° Swivel with LED illumination
- 32,000 LUX
- Titanium body with scratch-resistant DURACOAT
- Non-Retraction Valve
- Max Speed: 23,000 min⁻¹ ±10%
- Internal Water Spray



Optic	MODEL	ORDER CODE
●	X205L	M1013

Reduced Size and Weight for Unsurpassed Balance



DynaLED M205LG

Generates Its Own LED Illumination -
Another NSK Technology 1st



Advantages

- For instant LED illumination simply connect DynaLED Air motor to an existing non-optic handpiece tubing.
- Delivers a stable supply of natural daylight-quality LED illumination rated at 25,000 LUX.



Optic	MODEL	ORDER CODE
●	M205LG M4	M1018



- LED Air Motor with Micro Power Generator
- 25,000 LUX • Non-Retraction Valve
- Midwest 4 hole
- Max Speed: 22,000 min⁻¹ ±10%
- Internal Water Spray



- LED Air Motor with Micro Power Generator
- 25,000 LUX • Non-Retraction Valve
- Borden 2 hole
- Max Speed: 25,000 min⁻¹ ±10%
- Internal Water Spray

Optic	MODEL	ORDER CODE
●	M205LG B2	M1019

S-Max M205



Optic	MODEL	ORDER CODE
—	M205	M1007



- Stainless Steel Body • Non-Retraction Valve
- Midwest 4 hole
- Max Speed: 22,000 min⁻¹ ±10%
- Internal Water Spray

FX205m



Optic	MODEL	ORDER CODE
—	FX205m M4	M1005001



- Stainless Steel Body
- Midwest 4 hole
- Max Speed: 22,000 min⁻¹ ±10%
- External Water Spray



- Stainless Steel Body • Borden 2 hole
- Max Speed: 25,000 min⁻¹ ±10%
- External Water Spray

Optic	MODEL	ORDER CODE
—	FX205m B2	M1006001

Air Motor Set



Contents

- Air Motor (FX205m)
- Straight handpiece (FX65m)
- Contra-angle handpiece (FX25m)



Optic	MODEL	ORDER CODE
—	FX205m M4 Set	Y1002752

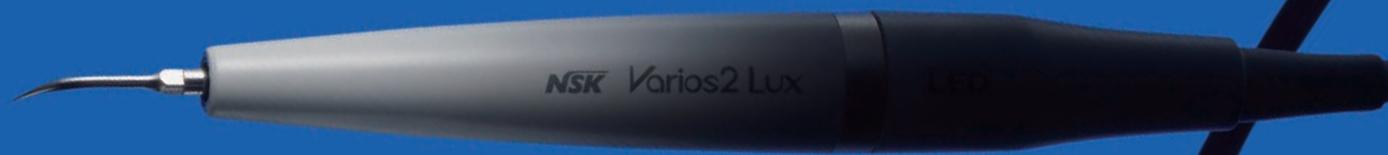


- Midwest 4 hole

Optic	MODEL	ORDER CODE
—	FX205m B2 Set	Y1002753



- Borden 2 hole



ORAL HYGIENE

Varios Combi Pro



Two Maintenance Systems in One

Combining ultrasonic scaling and powder therapy for more effective and comfortable oral hygiene and biofilm control.



Innovative New Design Enables Clinicians to Safely and Efficiently Combine Two Applications

Two Systems in One

NSK has combined ultrasonic treatment and powder therapy into a single professional treatment unit that streamlines procedures and saves time and space.

Automatically Sets Powder Therapy Functions for Supragingival or Subgingival Applications

The clinician simply attaches the relevant powder chamber, and the unit automatically selects the functions for supragingival or subgingival applications. This prevents selection errors.

Independent Unit and Chamber

The detachable chamber and handpiece make it possible to easily switch between supragingival and subgingival applications and make the unit extremely user and maintenance friendly.

Keeps Both Powder Types Separate

Separate chambers, handpieces, and handpiece hoses for supragingival and subgingival procedures eliminate the risk of powder mixing or powder entering the control unit.

Optimizing Manoeuvrability

Automatic Switching from Ultrasonic to Powder Function

An automatic recognition sensor switches from ultrasonic to powder function when a handpiece is picked up from the holder.



<During Ultrasonic function>



<During Powder function>

Store Previous Settings

The system memory can store such treatment parameters as water volume, air pressure and ultrasonic power settings. Simply pick up the handpiece to switch settings.

*For powder functions, settings change when replacing the chamber.



<When using Supragingival>



<When using Subgingival>

Auto-cleaning function

Auto-cleaning automatically cleans the handpiece and hose after powder or ultrasonic applications. During the cleaning cycle, the display shows the time remaining to complete the process which takes approximately 45 seconds from start to finish.



Multi-Foot Control

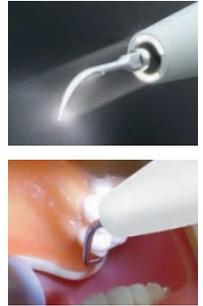
Just using the foot the user can switch ultrasonic or powder modes on or off and change power settings. Combined with a hanger, this offers complete hands-free operations.



ULTRASONIC

A Slim Highly-ergonomic LED Handpiece

The ø9.5 mm slim tip of the Varios LUX handpiece makes it easy to operate throughout the entire oral cavity. The slim handpiece facilitates a smooth approach to difficult to access areas such as the molars. This provides freedom of movement in the oral cavity allowing the tip to be applied at the correct angle. The easy to grip ultra-light handpiece reduces strain on the hands and fingers. With a wide spectrum of close to natural light LED illumination, the view is always bright with high recognition capability.



A wide choice of tips

NSK offers more than 80 tips to optimize treatment in various clinical procedures.

iPiezo engine®

The Unique Ultrasonic AI engine Responds Intelligently

"I'd like to be better at scaling", "I'd like an easier way to remove deposits"

We carefully considered the opinions of clinicians in the development of our unique next-generation AI ultrasonic engine which is at the heart of the NSK ultrasonic series. The actions of the operator are transmitted accurately to the tip, as if it were an extension of the hand. This allows treatment to match tooth surface conditions. The result is faster and gentler treatment for patients and at the same time eco friendly as it operates efficiently with low power consumption.

Feedback Function

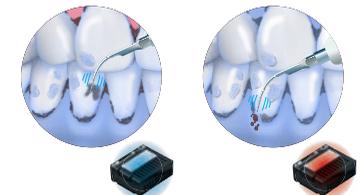
The NSK iPiezo engine supplies the appropriate power to the tip depending on the condition of the tooth surface. iPiezo engine provides a stable frequency output without dropping the power, even when removing hard calculus.

Auto Tuning Function

The Auto Tuning Function provides stable frequency to the tip at the selected power range. It allows the operator to feel the power output which ensures the optimum result.

Allows for Steady Scaling

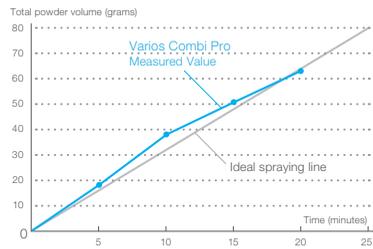
Conventional ultrasonic scalers lose power when moving from soft to hard tartar. The load on the end of the tip is automatically detected by the action of the iPiezo engine allowing for steady scaling without power-loss.





POWDER PROPHY-SYSTEM

Powder Therapy to Clean Supragingival Areas Efficiently and Quickly



Stable powder spraying

NSK's expertise in fluid analysis techniques, gained through developing turbines, optimize powder flows inside the chamber, streamlining sprays of powder, water and air to significantly shorten chair times.



User-friendly handpiece and nozzle

The slim handpiece provides excellent accessibility and manoeuvrability



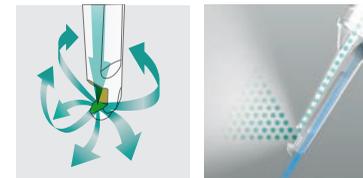
Fast and effective therapy

Clinicians can clean teeth quickly with NSK's FLASH pearl powder. NSK FLASH pearl consists of fine spherical shaped calcium-based particles which remove stains and plaque.



POWDER PERIO-SYSTEM

The Powder Spray Gently Cleans Subgingival Areas



Gentle on soft tissue

Separating powder and water during application prevents periodontal damage. Powder flow is directed in all directions to remove subgingival plaque.



Safe plastic nozzle

Because the nozzle tip is flexible, it can follow tooth contours and is easy to insert into pockets thereby minimizing patient discomfort. The material is semi-transparent to help with visibility. The nozzle tips are sterile and individually packaged so they are ready to use.

Wide range of applications

Applications range from quick biofilm removal to cleaning around dental implants and periodontal pockets. With the nozzle tip removed, clinicians can remove plaque from subgingival pockets of up to 3 mm.

Varios Combi Pro



Varios Combi Pro Basic Set

MODEL	ORDER CODE
Varios Combi Pro Basic Set	Y1002843

Contents

- PROPHY-Handpiece with 60° Nozzle
- PROPHY-Hose
- PROPHY-CHAMBER
- FLASH pearl (5 pcs. x 15 g sachets)
- Maintenance kit
- VA2LUX-Handpiece
- VA2LUX-Hose
- 3 Scaling tips
- Sterilization case
- Irrigation bottle (400 mL)
- Foot control

Specifications

- Power Supply : AC 100-240 V 50/60 Hz
- Frequency : 28-32 kHz
- Dimensions : W 225 x D 290 x H 162 (mm) (including chamber)
- Unit weight : 2,6 kg (Except attachment)
- Bottle volume : 400 mL

OPTION



MODEL	ORDER CODE
Varios Combi Pro Perio Set	Y1003042

Contents

- PERIO-CHAMBER
- PERIO-Hose
- PERIO-Handpiece
- Perio Mate Nozzle tip
- Perio Mate Nozzle tip remover
- Perio Mate powder



Varios 970

The Smart Compact Design Provides High-performance

Large LED Display

The large LED display has a 10 stage numeric power display and bar graph to show the irrigation volume. Beyond this, intuitive layout of operating keys minimize user errors. Power adjustment and function selection can be performed easily and reliably.



Large Solution Bottles

The two bottles can be placed and removed easily and can be used for any type of irrigation to complement treatment. Large 400 mL bottles deliver ample irrigation capacity and reduced chair time. Repeated tests of our components and material studies ensure high durability even when used extensively with antiseptic irrigation solutions.



Improved Durability Against Antiseptic Solutions

The introduction of the resin based water pipe of the bottle, pump and handpiece, assures dramatically improved durability as it substantially reduces the corrosion and rust caused by the residuum of antiseptic solutions.



Auto Cleaning Mode

The Auto Cleaning Mode flushes the tubing, handpiece and tips at the push of a button when required. The two channels can be flushed independently.



Varios 970 Complete Sets

Optic	MODEL	ORDER CODE
●	VA970 LUX	Y1004161
—	VA970	Y1004160

Contents

- Control unit • Handpiece • Handpiece cord • 3 Scaling tips (G4, G8, G16) • Foot control (FC-70)
- 2 x Irrigation bottles • 3 x Tip wrench with torque limiter • AC power cord • Sterilization case

Specifications

- | | |
|------------------------------------|--|
| • Power Supply : AC 230 V 50/60 Hz | • Dimensions : W 160 x D 270 x H 190 (mm) (Including Bottle) |
| • Frequency : 28-32 kHz | • Unit weight : 2.1 kg (Except attachment) |
| • Max. output : 11 W (G mode) | • Bottle volume : 400 mL (x 2 bottles) |

Varios 570

Compact and Versatile

Varios 570 offers three power modes selectable to the tip connected to the handpiece; "G"(general), "E"(endo) and "P"(perio). Power level can be fine-turned within the range of given power mode. In particular, P mode offers minimal yet steady power for more effective periodontic treatment.

Advantages

- Powered by iPiezo engine
- Compact and appropriate-sized body design
- User friendly and intuitive operation control panel



Varios 570 Complete Set

Optic	MODEL	ORDER CODE
●	VA570 LUX	Y1001273

Contents

- Control unit with handpiece cord • AC adaptor • Handpiece • Water filter set
- Water supply connector • Foot control (FC-70) • 3 Scaling tips • Tip wrench with torque limiter

Specifications

- Power Supply : AC 100-240 V 50/60 Hz
- Frequency : 28-32 kHz
- Max. output : 11 W (G mode)
- Dimensions : W 160 x D 135 x H 65 (mm)
- Unit weight : 0.43 kg

Varios 370

Compact Multipurpose Control Unit at Your Fingertips

Varios 370 has been especially developed to offer a compact, portable control unit allowing easy installation into any dental unit. It is simple to operate and suitable for a variety of clinical procedures.

Advantages

- Powered by iPiezo engine
- Potable ultra compact body
- Simple and intuitive operation control panel



Varios 370 Units Installation Examples



On the dental console arm with Stand (optional).



On/Under the dental bracket table with Control Unit Holder



Varios 370 Complete Set

Optic	MODEL	ORDER CODE
—	VA370	Y1001340

Contents

- Control unit with handpiece cord • Control unit holder • AC adaptor • Handpiece • Handpiece holder
- Water filter set • Foot control (FC-71) • 3 Scaling tips • Tip wrench with torque limiter

Specifications

- Power Supply : AC 100-240 V 50/60 Hz
- Frequency : 28-32 kHz
- Max. output : 11 W (G mode)
- Dimensions : W 80 x D 115 x H 32 (mm) (without knob and cord)
- Unit weight : 0.43 kg (without attachment)

Varios 170

Integrated Multi Function Ultrasonic Scaler

Varios 170 is the world's smallest built-in optic control module.

It features the NSK iPiezo engine which ensures stable power output all the times.

The slimmer and extremely lightweight handpiece with twin LED is easily added to the existing handpiece delivery unit and is controlled via the existing foot control.



Sterilization Case

The handpiece, tips and tip wrenches can be sterilized together for your convenience.



Varios 170 Complete Sets

Optic	MODEL	ORDER CODE
●	VA170LUXS8	Y1004145
—	VA170S8	Y1004144

Contents

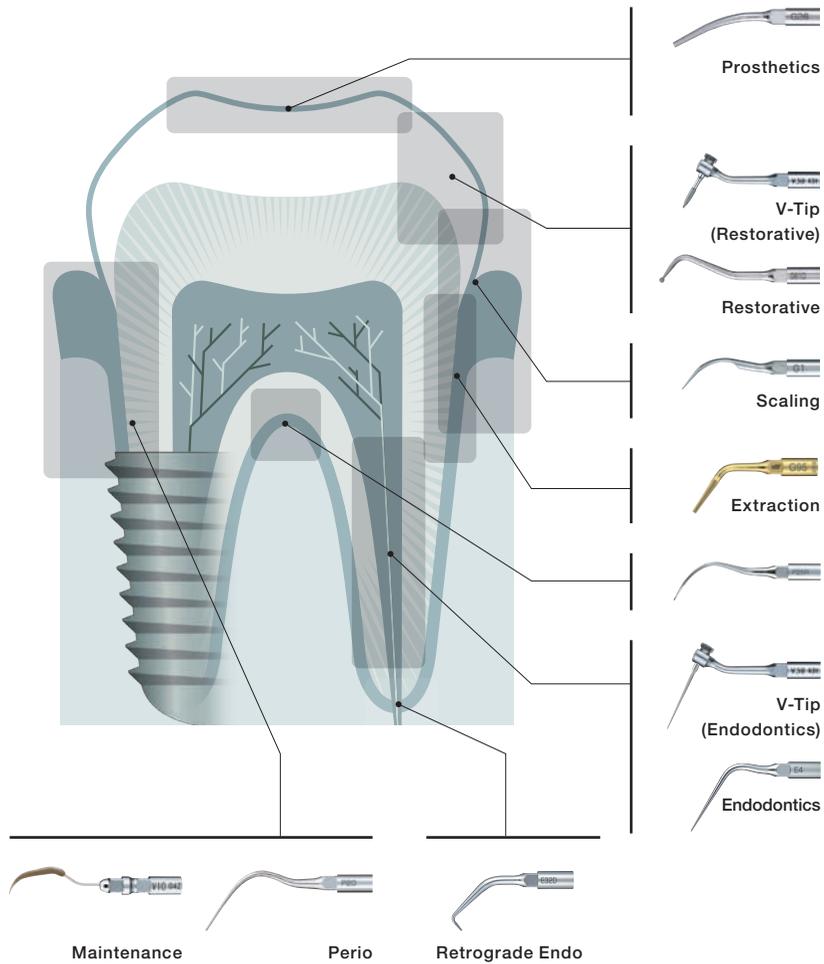
- Built in module
- Handpiece
- Handpiece cord
- 3 Scaling tips (G4, G8, G16)
- 3 x Tip replacement wrench with torque limiter

Specifications

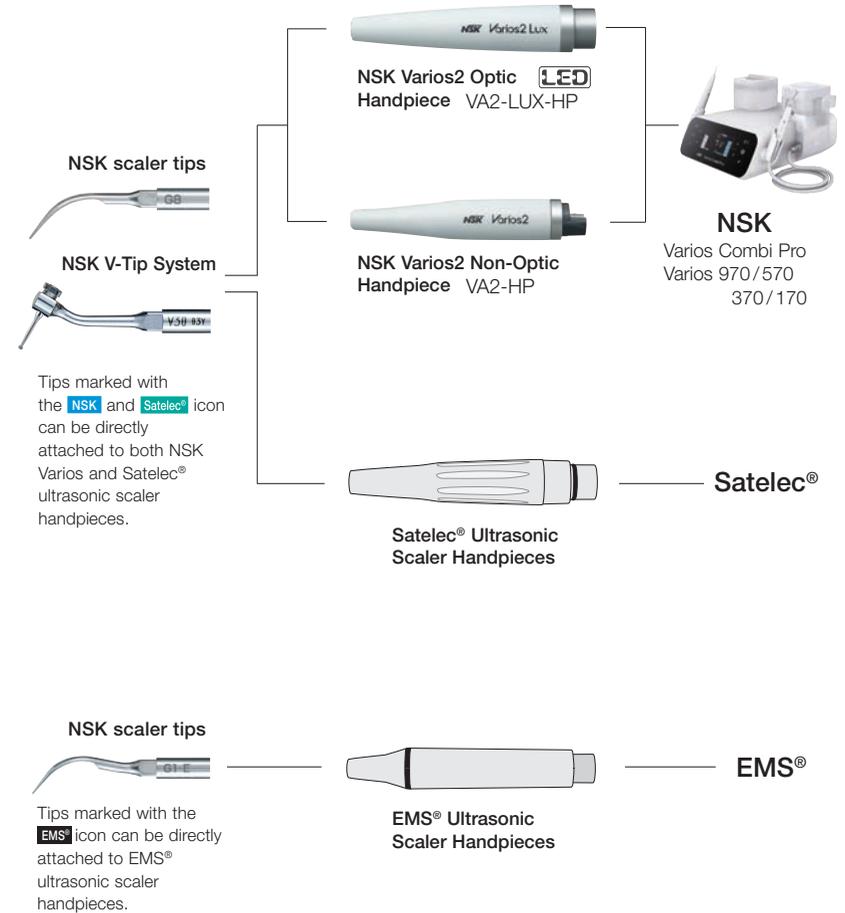
- Power Supply : AC 24 V ±10%
- Frequency : 28-32 kHz
- Max. output : 11 W
- Dimensions : W 63 x D 54 x H 26 (mm)
- Module weight : 59 g

Ultrasonic Scaler Tips

NSK Offers a Wide Choice of Varios Ultrasonic Scaler Tips for Clinical Applications.



NSK tips fit Varios2 ultrasonic scaler handpieces as well as Satelec® ultrasonic scaler handpieces. NSK make a number of tips which will fit on EMS® ultrasonic scaler handpieces. The following is a guide to illustrate all NSK Varios tips, their applications and connectivity.



Scaling

Cross Section Diagram				MODEL	ORDER CODE
				NSK Satelec® EMS®	G1 Z217101 G1-E Z291101
			MODEL	ORDER CODE	
				NSK Satelec® EMS®	G2 Z217102 G2-E Z291102
			MODEL	ORDER CODE	
				NSK Satelec® EMS®	G3 Z217103 G3-E Z291103
			MODEL	ORDER CODE	
				NSK Satelec® EMS®	G4 Z217104 G4-E Z291104
			MODEL	ORDER CODE	
				NSK Satelec® EMS®	G5 Z217105 G5-E Z291105
			MODEL	ORDER CODE	
				NSK Satelec® EMS®	G6 Z217106 G6-E Z291106
			MODEL	ORDER CODE	
				NSK Satelec® EMS®	G8 Z217108 G8-E Z291108
			MODEL	ORDER CODE	
				NSK Satelec® EMS®	G9 Z217109 G9-E Z291109
			MODEL	ORDER CODE	
				NSK Satelec® EMS®	G11 Z217411 G11-E Z291111

Scaling

Cross Section Diagram				MODEL	ORDER CODE
				NSK Satelec® EMS®	G12 Z217412 G12-E Z291112
			MODEL	ORDER CODE	
				NSK Satelec® EMS®	G13 Z217413 G13-E Z291113
			MODEL	ORDER CODE	
				NSK Satelec® EMS®	G16 Z217120 G16-E Z291120

Perio (Root Planing)

Cross Section Diagram				MODEL	ORDER CODE
				NSK Satelec® EMS®	P1 Z217404 P1-E Z291104
			MODEL	ORDER CODE	
				NSK Satelec® EMS®	P1D Z217405 P1D-E Z291105
• Diamond coated					
			MODEL	ORDER CODE	
				NSK Satelec® EMS®	P2D Z217402 P2D-E Z291102
• Diamond coated • Right curved type					
			MODEL	ORDER CODE	
				NSK Satelec® EMS®	P3D Z217403 P3D-E Z291103
• Diamond coated • Left curved type					

Perio (Root Planing)

Cross Section Diagram				MODEL	ORDER CODE
		P10	Z217410		
					• Sharp edge
<hr/>					
Cross Section Diagram				MODEL	ORDER CODE
		P11R	Z217408		
					• Sharp edge • Right curved type
<hr/>					
Cross Section Diagram				MODEL	ORDER CODE
		P11L	Z217409		
					• Sharp edge • Left curved type
<hr/>					
Cross Section Diagram				MODEL	ORDER CODE
		P20	Z217420		
					P20-E Z291420
<hr/>					
Cross Section Diagram				MODEL	ORDER CODE
		P21R	Z217422		
					P21R-E Z291422
					• Right curved type
<hr/>					
Cross Section Diagram				MODEL	ORDER CODE
		P21L	Z217421		
					P21L-E Z291421
					• Left curved type

Perio (Root Planing)

Cross Section Diagram				MODEL	ORDER CODE
		P25R	Z217424		
					P25R-E Z291424
					• Right curved type
<hr/>					
Cross Section Diagram				MODEL	ORDER CODE
		P25L	Z217425		
					P25L-E Z291425
					• Left curved type
<hr/>					
Cross Section Diagram				MODEL	ORDER CODE
		P26R	Z217426		
					• Right curved type
<hr/>					
Cross Section Diagram				MODEL	ORDER CODE
		P26L	Z217427		
					• Left curved type

Perio (Irrigation and Cleaning)

Cross Section Diagram				MODEL	ORDER CODE
		P40	Z217550		
					• Tip diameter ø0.6 mm
<hr/>					
Cross Section Diagram				MODEL	ORDER CODE
		P41	Z217555		
					• Tip diameter ø0.8 mm

Maintenance (V-Tip)
Perio-Control



MODEL	ORDER CODE
V10	Z217041

- Includes E-Tip replacement wrench
- Plastic Tip is not included

For the maintenance of prostheses and implants. Produced from special material to allow safe debridement without causing damage to metals and implants.

Cross Section Diagram



MODEL	ORDER CODE
V-P10	Y900184

- Pack of 3
- V10 holder is not included

V-P12 is a longer version of the popular V-P10 tip. It serves a wide range of applications, including the maintenance of implants and other prosthetic devices. Its shape offers easy access to all treatment areas.



MODEL	ORDER CODE
V-P12	Y1002167

- Pack of 3
- V10 holder is not included



V-P10



V-P12



V-P11R



V-P26R

Maintenance (V-Tip)

V-P11R/L left and right are double bent tips. This tip is extra long to easily access difficult to reach areas and to avoid interference with neighbouring teeth or contours. Its shape was designed to best fit different tooth morphologies, making this a versatile tip for a wide range of uses from anterior teeth to premolars.

Cross Section Diagram



MODEL	ORDER CODE
V-P11R	Y1002165

- Right curved type • Pack of 3
- V10 holder is not included



MODEL	ORDER CODE
V-P11L	Y1002166

- Left curved type • Pack of 3
- V10 holder is not included

V-P26R/L is a double-bent tips. The wide angles offer access to areas that cannot be reached with V-P11R/L tips or other conventional instruments. These tips are ideally suited to access the distal surfaces of molars and corner areas as, the end of the tip fits tooth morphology very closely.



MODEL	ORDER CODE
V-P26R	Y1002168

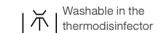
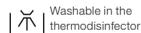
- Right curved type • Pack of 3
- V10 holder is not included



MODEL	ORDER CODE
V-P26L	Y1002169

- Left curved type • Pack of 3
- V10 holder is not included

* Cross section diagram is the image of a point 1 mm from the end. The illustrated tip diagram is three times bigger than the actual size.



Endodontics

<p>Cross Section Diagram</p>				<table border="1"> <thead> <tr> <th>MODEL</th> <th>ORDER CODE</th> </tr> </thead> <tbody> <tr> <td>E4</td> <td>Z217428</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • For root canal cleaning 	MODEL	ORDER CODE	E4	Z217428
	MODEL	ORDER CODE						
	E4	Z217428						
				<table border="1"> <thead> <tr> <th>MODEL</th> <th>ORDER CODE</th> </tr> </thead> <tbody> <tr> <td>E4D</td> <td>Z217528</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Diamond coated • For root canal enlargement 	MODEL	ORDER CODE	E4D	Z217528
	MODEL	ORDER CODE						
	E4D	Z217528						
				<table border="1"> <thead> <tr> <th>MODEL</th> <th>ORDER CODE</th> </tr> </thead> <tbody> <tr> <td>E5</td> <td>Z217305</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Water not required • For lateral condensation 	MODEL	ORDER CODE	E5	Z217305
MODEL	ORDER CODE							
E5	Z217305							
			<table border="1"> <thead> <tr> <th>MODEL</th> <th>ORDER CODE</th> </tr> </thead> <tbody> <tr> <td>E6</td> <td>Z217306</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Water not required • For lateral condensation 	MODEL	ORDER CODE	E6	Z217306	
MODEL	ORDER CODE							
E6	Z217306							
			<table border="1"> <thead> <tr> <th>MODEL</th> <th>ORDER CODE</th> </tr> </thead> <tbody> <tr> <td>E7</td> <td>Z217307</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Water not required • For removal of filling and foreign material 	MODEL	ORDER CODE	E7	Z217307	
MODEL	ORDER CODE							
E7	Z217307							
			<table border="1"> <thead> <tr> <th>MODEL</th> <th>ORDER CODE</th> </tr> </thead> <tbody> <tr> <td>E7D</td> <td>Z217317</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Diamond coated • For enlargement of root canal wall 	MODEL	ORDER CODE	E7D	Z217317	
MODEL	ORDER CODE							
E7D	Z217317							

Endodontics

<p>Cross Section Diagram</p>				<table border="1"> <thead> <tr> <th>MODEL</th> <th>ORDER CODE</th> </tr> </thead> <tbody> <tr> <td>E8</td> <td>Z217308</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Water not required • For removal of filling and foreign material 	MODEL	ORDER CODE	E8	Z217308
	MODEL	ORDER CODE						
	E8	Z217308						
				<table border="1"> <thead> <tr> <th>MODEL</th> <th>ORDER CODE</th> </tr> </thead> <tbody> <tr> <td>E8D</td> <td>Z217318</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Diamond coated • For enlargement of root canal wall 	MODEL	ORDER CODE	E8D	Z217318
MODEL	ORDER CODE							
E8D	Z217318							
			<table border="1"> <thead> <tr> <th>MODEL</th> <th>ORDER CODE</th> </tr> </thead> <tbody> <tr> <td>E15D</td> <td>Z217319</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Diamond coated • For locating root canals and removal of calcifications 	MODEL	ORDER CODE	E15D	Z217319	
MODEL	ORDER CODE							
E15D	Z217319							

Endodontics

120° Angle Holder for U files



MODEL	ORDER CODE
E11	Z217031

- For U files (ø0.8 mm)
- For root canal cleaning
- For anterior teeth • File is optional

95° Angle Holder for U files



MODEL	ORDER CODE
E12	Z217032

- For U files (ø0.8 mm)
- For root canal cleaning
- For posterior teeth
- File is optional

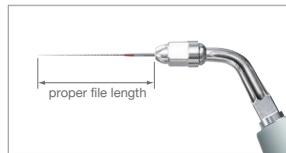


MODEL	ORDER CODE
U files 33 mm / #15	Y900062
• ISO 15 • Pack of 6	
MODEL	ORDER CODE
U files 33 mm / #20	Y900063
• ISO 20 • Pack of 6	
MODEL	ORDER CODE
U files 33 mm / #25	Y900064
• ISO 25 • Pack of 6	
MODEL	ORDER CODE
U files 33 mm / #30	Y900065
• ISO 30 • Pack of 6	
MODEL	ORDER CODE
U files 33 mm / #35	Y900066
• ISO 35 • Pack of 6	

Each pack of E11, E12 or V30 includes 1 x E Tip replacement wrench.
Replacement wrench is not included when ordering other tips.
Please order the replacement wrench separately in this instance.

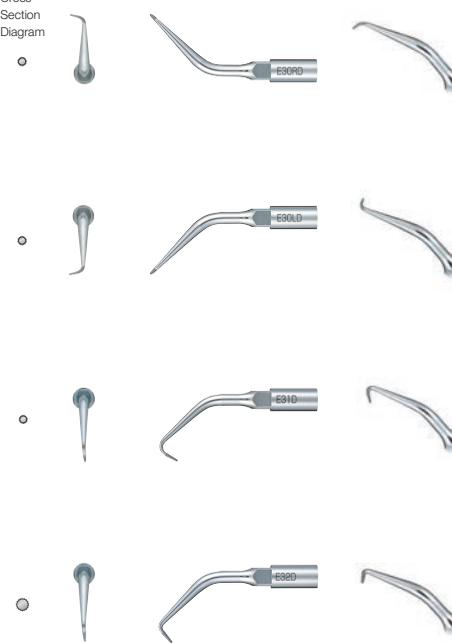
Always refer to this reference chart to ensure correct and accurate proper file length to avoid file breakage.

	#15	#20	#25	#30	#35
E11	22 mm	24.5 mm	22 mm	22 mm	22 mm
E12	22 mm	24.5 mm	24.5 mm	24.5 mm	22 mm



Retrograde Endo

Cross Section Diagram



MODEL	ORDER CODE
E30RD	Z217212

- Diamond coated
- For posterior teeth (right angled)

MODEL	ORDER CODE
E30LD	Z217213

- Diamond coated
- For posterior teeth (left angled)

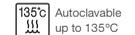
MODEL	ORDER CODE
E31D	Z217210

- Diamond coated
- For anterior and posterior teeth (70°)

MODEL	ORDER CODE
E32D	Z217211

- Diamond coated
- For anterior teeth (90°)

* Cross section diagram is the image of a point 1 mm from the end. The illustrated tip diagram is three times bigger than the actual size.



Extraction

Because the tip and the bilateral edges of the G95 tip are sharp it can be inserted without applying excessive force. Furthermore, because the abrasion of the periodontal ligaments using the tip creates a space between the tooth root surface and alveolar bone, tooth extraction can be conducted without injuring the bone around the root.

Features

- Access to a surgical site is improved by thinning the tip apex shape and sharpening both edge flanks.
- Adhesion areas of periodontal membrane can be removed smoothly.
- Tooth removal can be performed smoothly so that patient discomfort can be reduced.
- Approaches from angles hard to reach with hand instruments are also possible.

**Root extraction
(upper left No. 2 tooth removal)**

Tooth extraction is possible without excessively cutting the alveolar bone around the remaining root, retaining the morphology of the alveolar bone.



**Impacted tooth
(lower left No. 8 tooth removal)**

The use of the tip prior to extraction will mobilise the tooth and make extraction easier.



Be careful not to apply excessive force, as in cases of using elevators.
Nishikawa-guchi dental clinic



MODEL	ORDER CODE
NSK G95	Z217705

- TiN coating • 0.7 mm thick
- A double edge, which is sharp in three directions

Restorative (For Minimal Intervention)

MODEL	ORDER CODE
NSK G61D	Z217601

- Diamond coated

MODEL	ORDER CODE
NSK G62D	Z217602

- Diamond coated

MODEL	ORDER CODE
NSK G65D	Z217605

- Diamond coated

MODEL	ORDER CODE
NSK G66D	Z217606

- Diamond coated

MODEL	ORDER CODE
NSK G67D	Z217607

- Diamond coated

MODEL	ORDER CODE
NSK G68D	Z217608

- Diamond coated

* Cross section diagram is the image of a point 1 mm from the end. The illustrated tip diagram is three times bigger than the actual size.



Condensation



NSK
Satelec®

MODEL	ORDER CODE
G21	Z217010

- Water not required
- For anterior teeth
- 3 caps supplied



NSK
Satelec®

MODEL	ORDER CODE
G22	Z217020

- Water not required
- For posterior teeth
- 3 caps supplied



MODEL	ORDER CODE
Tip Cap	Y140751

- Autoclavable
- For G21 / G22 (Pack of 10)

Loosening / Plugging



NSK
Satelec®

MODEL	ORDER CODE
G26	Z217206

- For post removal



NSK
Satelec®

MODEL	ORDER CODE
G28	Z217208

- Water not required
- For amalgam condensation

Varios V-TIP System



NSK Varios V-Tip holder system is innovative, multi-functional and economical. The V-Tip holder is a separate component to the actual cutting tips and can be easily and inexpensively replaced. NSK V-Tip holder system offers the flexibility and expandability to meet the wide requirements for multi-purpose clinical applications.

Restorative P.130-131

- For Minimal Intervention
- For Finishing / Trimming / Polishing
- For Caries Removal



Endodontics P.129

- For Root Canal Cleaning
- For Root Canal Enlargement



- Ni-Ti Irrigation



Maintenance P.118-119

- For Prostheses or Implant Maintenance
Perio-Control



V30
120° Angle type



V10
Straight

Endodontics V-Tip



NSK
Satelec

MODEL	ORDER CODE
V30	Z217030

- Tip is optional

- For root canal cleaning 17 mm • Pack of 3

MODEL	ORDER CODE
V-S50	Y900169

- For root canal cleaning 23 mm • Pack of 3

MODEL	ORDER CODE
V-S51	Y900170

- For root canal cleaning 26 mm • Pack of 3

MODEL	ORDER CODE
V-S52	Y900171

- For root canal cleaning 32 mm • Pack of 3

MODEL	ORDER CODE
V-S53	Y900172

- Diamond coated
- For root canal enlargement 17 mm • Pack of 3

MODEL	ORDER CODE
V-S50D	Y900173

- Diamond coated
- For root canal enlargement 23 mm • Pack of 3

MODEL	ORDER CODE
V-S51D	Y900174

- Diamond coated
- For root canal enlargement 26 mm • Pack of 3

MODEL	ORDER CODE
V-S52D	Y900175

- Diamond coated
- For root canal enlargement 32 mm • Pack of 3

MODEL	ORDER CODE
V-S53D	Y900176

- Ni-Ti Irrigation 17 mm • Pack of 3

MODEL	ORDER CODE
V-N50	Y900182

- Ni-Ti Irrigation 21 mm • Pack of 3

MODEL	ORDER CODE
V-N51	Y900183



* In order to reduce the incidence of ledge formation, there is no diamond coating on the end of the tip. (1.0 mm)

Each pack of E11, E12 or V30 includes 1 x E Tip replacement wrench. Replacement wrench is not included when ordering other tips. Please order the replacement wrench separately in this instance.

Restorative (For Minimal Intervention)



V-Tip Holder





MODEL	ORDER CODE
V30	Z217030

- Tip is optional

MODEL

V-G70

- Diamond coated • Pack of 3




MODEL	ORDER CODE
V-G70	Y900118

MODEL

V-G71

- Diamond coated • Pack of 3




MODEL	ORDER CODE
V-G71	Y900119

MODEL

V-G72

- Diamond coated • Pack of 3

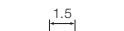



MODEL	ORDER CODE
V-G72	Y900120

MODEL

V-G75

- Diamond coated • Pack of 3




MODEL	ORDER CODE
V-G75	Y900121

MODEL

V-G76

- Diamond coated • Pack of 3




MODEL	ORDER CODE
V-G76	Y900122

Each pack of E11, E12 or V30 includes 1 x E Tip replacement wrench. Replacement wrench is not included when ordering other tips. Please order the replacement wrench separately in this instance.

Restorative (For Finishing / Trimming / Polishing)



V-Tip Holder





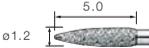
MODEL	ORDER CODE
V30	Z217030

- Tip is optional

MODEL

V-G77

- Diamond coated
- Normal Grade • Pack of 3




MODEL	ORDER CODE
V-G77	Y900165

MODEL

V-G78

- Diamond coated
- Fine Grade • Pack of 3




MODEL	ORDER CODE
V-G78	Y900166

MODEL

V-G79

- Diamond coated
- Super Fine Grade • Pack of 3




MODEL	ORDER CODE
V-G79	Y900167

Restorative (For Caries Removal)



V-Tip Holder





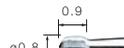
MODEL	ORDER CODE
V30	Z217030

- Tip is optional

MODEL

V-S1

- Stainless Tip • Pack of 3




MODEL	ORDER CODE
V-S1	Y900161

MODEL

V-S3

- Stainless Tip • Pack of 3




MODEL	ORDER CODE
V-S3	Y900162

MODEL

V-S33

- Stainless Tip • Pack of 3




MODEL	ORDER CODE
V-S33	Y900163

Tip Kits

Application PERIO



MODEL	ORDER CODE
Perio Kit A	Y900144

Contents

- P1D, P2D, P3D, P10 : 1 pc. each
- Tip holder : 1 pc.

Application PERIO

Furcation and curved root face



MODEL	ORDER CODE
Perio Kit B	Y900145

Contents

- P20, P25R, P25L : 1 pc. each
- Tip holder : 1 pc.

Application MAINTENANCE

For Prostheses or Implant Maintenance



MODEL	ORDER CODE
Perio-Control Tips Starter Kit	Y1002606

Contents

- V10 holder : 1 pc.
- V-P11R, V-P11L, V-P12, V-P26R, V-P26L : 1 pc. each
- E Tip replacement wrench : 1 pc.

Application ENDODONTICS

For anterior root canal irrigation



Includes 5 types of U files (ø0.8 mm) plus 120° angle holder

MODEL	ORDER CODE
Endo Kit E11	Y900146

Contents

- E11 : 1 pc. 120° angle holder for anterior teeth
- E Tip replacement wrench : 1 pc.
- U files 33 mm #15, #20, #25, #30, #35 : Pack of 6 each size

Tip Kits

Application ENDODONTICS

For posterior root canal irrigation



Includes 5 types of U files (ø0.8 mm) plus 95° angle holder

Application ENDODONTICS

4 kinds of Retrograde Root filling tips



MODEL	ORDER CODE
Retro Kit	Y900149

Contents

- E30RD, E30LD, E31D, E32D : 1 pc. each
- Tip holder : 1 pc.

Application MINIMAL INTERVENTION

Starter kit for Minimal Intervention - with V-Tip holder



MODEL	ORDER CODE
MI Starter Kit	Y900150

Contents

- V30 V-tip holder : 1 pc.
- E tip replacement wrench : 1 pc.
- V-G70, V-G71, V-G72 : 1 pc. each
- V-S1, V-S3, V-S33 : 1 pc. each
- V-G77, V-G78, V-G79 : 1 pc. each

Ti-Max S970



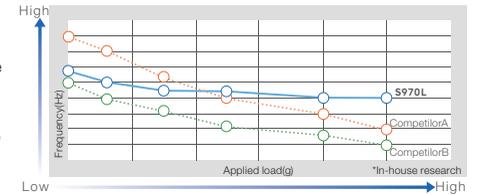
Air Scaler Evolution Supporting a Broad Spectrum of Care

The S970 air scaler offers a wide power range with easy swivel power adjustment and an extensive tip range for a wide variety of applications ranging from general scaling and root canal irrigation to minimally invasive procedures. The wide range of applications, comfortable grip and ease of maintenance makes the S970 air scaler the instrument of choice for dentists and hygienists alike.

A titanium body and sleek, seamless design make the S970 really comfortable to hold even during long procedures whilst allowing for excellent visibility of the operating site at all times.

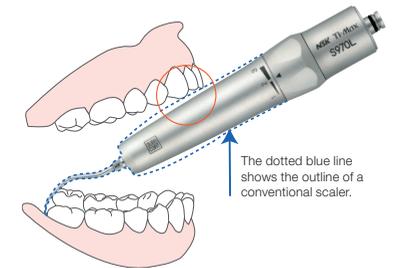
Steady Power Supply to The Tip

S970 air scalers provide stable power output and constant oscillating movement across the entire power range at approximately 6,000 Hz. S970 air scalers are extremely gentle and therefore very popular in cases involving perio or high sensitivity.



Excellent Visibility

The sleek design of the S970 allows for unrestricted visibility of the treatment area and excellent access to even the most hard to reach areas.



Smooth and Easy Power Control Ring

NSK Power Ring offers three different power level settings for diverse clinical needs. While the gentle minimum mode is for delicate procedures, the maximum power mode is good for general scaling.



APPLICATIONS	TIPS	POWER RING SETTING		
		1	2	3
Scaling	S1, S2, S3	[Double-headed arrow spanning all three settings]		
Perio	S10, S20, S21R, S21L	[Double-headed arrow spanning settings 1 and 2]		
Perio (Maintenance Tip)	S35+V-Tip (V-P10, V-P11R, V-P11L, V-P12)	[Double-headed arrow spanning settings 1 and 2]		
Restorative (For Preparation of crown cores)	S81D, S82D, S83D, S86D, S71D, S72D	[Double-headed arrow spanning settings 1 and 2]		
Restorative (For Minimal Intervention)	S65D, S66D, S67D, S68D	[Double-headed arrow spanning settings 1 and 2]		
V-TIP SYSTEM (Endodontics)	S75+V-Tip (V-U15-V-U35)	[Double-headed arrow spanning settings 1 and 2]		

The above power level is standard. Please start use from a low level to correspond to the symptoms.

Ti-Max S970



- Titanium Body with Scratch Resistant DURACOAT
- 3 level Power Ring
- Frequency of oscillation : 5,800-6,200 Hz
- Cellular Glass Optics



Includes 3 tips (S1, S2 & S3),
Tip Wrench (CR-20) and
Tip Cover (L)

Connect to NSK Couplings

Optic	MODEL	ORDER CODE
●	S970L	T1005
—	S970	T1020

Connect Direct to KaVo® Coupling

Optic	MODEL	ORDER CODE
●	S970KL	T1013

Connect Direct to Sirona® Coupling

Optic	MODEL	ORDER CODE
●	S970SL	T1015

AS2000

- Frequency of oscillation : 5,600-6,000 Hz
- Includes 3 tips (S1, S2 & S3), Tip Wrench (CR-20) and Tip Cover (L)



Optic	MODEL	ORDER CODE
—	AS2000 M4	T698

- For Midwest 4 hole • Weight : 67 g



Optic	MODEL	ORDER CODE
—	AS2000 B2/3	T697

- For Borden 2/3 hole • Weight : 64 g

Air Scaler Tips

Scaling

Cross Section Diagram



MODEL	ORDER CODE
-------	------------

S1	Z252411
-----------	----------------

- Universal Type



MODEL	ORDER CODE
-------	------------

S2	Z252413
-----------	----------------

- Sickle Type



MODEL	ORDER CODE
-------	------------

S3	Z252412
-----------	----------------

- Perio Type

Perio

Cross Section Diagram



MODEL	ORDER CODE
-------	------------

S10	Z252420
------------	----------------

- Universal Type Slim Line



MODEL	ORDER CODE
-------	------------

S20	Z252441
------------	----------------

- Root Planning (Straight tip)



MODEL	ORDER CODE
-------	------------

S21R	Z252442
-------------	----------------

- Root Planning (Right curved tip)



MODEL	ORDER CODE
-------	------------

S21L	Z252443
-------------	----------------

- Root Planning (Left curved tip)

Maintenance (V-Tip)



V-Tip Holder



Cross Section Diagram



MODEL	ORDER CODE
-------	------------

S35	Z252015
------------	----------------

- Includes E-Tip replacement wrench
- Plastic Tip is not included

MODEL	ORDER CODE
-------	------------

V-P10	Y900184
--------------	----------------

- Pack of 3
- S35 holder is not included



MODEL	ORDER CODE
-------	------------

V-P12	Y1002167
--------------	-----------------

- Pack of 3
- S35 holder is not included



MODEL	ORDER CODE
-------	------------

V-P11R	Y1002165
---------------	-----------------

- Right curved type
- Pack of 3
- S35 holder is not included



MODEL	ORDER CODE
-------	------------

V-P11L	Y1002166
---------------	-----------------

- Left curved type
- Pack of 3
- S35 holder is not included

Air Scaler Kit



MODEL	ORDER CODE
-------	------------

Perio-Control Tips Air Scaler Kit	Y1002754
--	-----------------

- S35 holder : 1 pc.
- V-P10, V-P11R, V-P11L, V-P12 : 1 pc. each
- Includes E-Tip replacement wrench

Restorative (For Minimal Intervention)

Unlike rotary instruments these tips oscillate and are designed to only cut on one surface allowing minimally invasive site preparation and thereby greatly reducing the risk of damaging adjacent teeth and soft tissue. The spherical shape of these tips make them suitable for delicate adjustments as well as caries removal in the cervical and interproximal region.



MODEL	ORDER CODE
S65D	Z252465

• Diamond coated



MODEL	ORDER CODE
S66D	Z252466

• Diamond coated



MODEL	ORDER CODE
S67D	Z252467

• Diamond coated



MODEL	ORDER CODE
S68D	Z252468

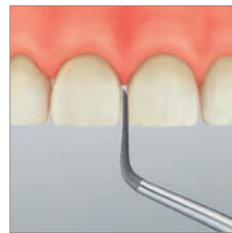
• Diamond coated



S65D



S81D



S72D

Restorative (For Preparation of Crown Cores)

The tips can be used for finishing margins after prepping the area with a conventional dental bur. That enables you to finish minute sharp edges and gingival sulcus without damage, something that cannot be accomplished with rotary instruments alone. Three types of tips are available for deep chamfer, light chamfer and shoulder work, respectively.



MODEL	ORDER CODE
S81D	Z252469

• Diamond coated



MODEL	ORDER CODE
S82D	Z252462

• Diamond coated



MODEL	ORDER CODE
S83D	Z252461

• Diamond coated



MODEL	ORDER CODE
S86D	Z252460

• Diamond coated

These tips are safe sided and flat for minimal mesial or distal preparations.



MODEL	ORDER CODE
S71D	Z252471

• Diamond coated



MODEL	ORDER CODE
S72D	Z252472

• Diamond coated

V-TIP System



NSK V-Tip system is innovative, multi-functional and economical. The V-Tip holder is a separate component to the actual cutting tips and can be easily and inexpensively replaced. NSK V-Tip holder system offers the flexibility and expandability to meet the wide requirements for multi-purpose clinical applications.

Endodontics V-Tip



Endodontics P.145



S75
120° Angle type

Maintenance P.141

- For Prostheses or Implant Maintenance Perio-Control



S35
Straight

MODEL	ORDER CODE
-------	------------

S75 **Z252035**

- Includes E-Tip replacement wrench

MODEL	ORDER CODE
-------	------------

V-U15 **Y900177**

- V-file Irrigation 23 mm #15
- ISO 15 • Pack of 6

MODEL	ORDER CODE
-------	------------

V-U20 **Y900178**

- V-file Irrigation 23 mm #20
- ISO 20 • Pack of 6

MODEL	ORDER CODE
-------	------------

V-U25 **Y900179**

- V-file Irrigation 23 mm #25
- ISO 25 • Pack of 6

MODEL	ORDER CODE
-------	------------

V-U30 **Y900180**

- V-file Irrigation 23 mm #30
- ISO 30 • Pack of 6

MODEL	ORDER CODE
-------	------------

V-U35 **Y900181**

- V-file Irrigation 23 mm #35
- ISO 35 • Pack of 6

Prophy-Mate neo



Prophy-Mate neo, The Best Polishing Tool for Beautiful White Teeth

Supragingival powder polishing is highly effective when used in combination with "FLASH pearl." NSK's unique twin nozzle achieves powerful powder discharge. The long and slim handpiece in conjunction with the small nozzle tip dramatically improves accessibility around all tooth surface. Cleaning can be performed quickly even in interproximal areas teeth and in usually difficult to reach areas. The ergonomically designed grip is comfortable to hold and allows for flexible operation.

Improved Polishing Power

With NSK original twin nozzles, greater polishing power is realized. With powerful jet, cleaning time is greatly shortened thus reduces treatment time.



Before



After



Easy Detachable Nozzles with 60° and 80°

Selectable 60° and 80° nozzles maximize the cleaning ability. 60° nozzle works especially well for molar area and occluding surface and 80° nozzle for anterior tooth.



Smooth, Easy 360° Swivel

Twin joints rotate smoothly 360 degrees for easy operability, responding flexibly to minute fingertip movements with effortless adjustment of the nozzle angle.



Simple One-touch Connection

The Prophy-Mate neo is designed for a one-touch attachment to NSK couplings and other major coupling brands. The handpiece also can be attached to the powder case with one-touch operation.



Prophy-Mate neo

Air Powered Tooth Polishing System



60° and 80° nozzles



Prophy-Mate neo Complete System

	MODEL	ORDER CODE
NSK Coupling	PMNG-PTL-P	Y135029
KaVo® Coupling	PMNG-KV-P	Y135030
Sirona® Coupling	PMNG-SR-P	Y135031
W&H® Roto Quick	PMNG-WH-P	Y135032
Bien-Air® Unifix®	PMNG-BA-P	Y135033
Midwest 4 hole (Direct-connect / Screw-on Type)	PMNG-M4-P	Y135034
Midwest 4 hole (Direct-connect / Screw-on Type)	PMNG-B2-P	Y135035

■ No light during use (when using optic coupling).

Contents

- Handpiece with 60° nozzle head
- Powder case
- Replacement nozzle head 80°
- 5 pcs. x 15 g sachets of FLASH pearl cleaning powder
- Maintenance kit

FLASH pearl

Cleaning Powder

Features

- Fast cleaning in tight spaces
- Zero salinity, gentle ingredients with low impact on patients
- Clogging is also minimized



MODEL	ORDER CODE
FLASH pearl	Y900693

• Stylishly packaged in a handy, original box

- Contains 100 x 15 g sachets

MODEL	ORDER CODE
FLASH pearl (Bottle)	Y900698

• 4 bottles packed in a box

- Comes with a measuring cup for your convenience
- Each bottle contains 300 g

Outstanding Cleaning Results with Gentle Powder

Not salty! The powder has less impact due to the delicate flavour and provides patients with gentle tooth surface cleaning. The secret behind intense cleaning and a smooth finish? Calcium-based spherical particles.

Fine powder with an average particle size of 54 µm move as if rolling across the surface of the tooth, limiting damage to the tooth surface and rapidly removing plaque and staining.

The FLASH pearl treatment is effective in a short space of time which encourages patients to schedule regular cleaning appointments.

Sparkling Results Every Time

FLASH pearl, a cleaning powder for Prophy-Mate neo and Varios Combi Pro, is a spherical particulate powder designed to roll smoothly over tooth surfaces and penetrate all corners for rapid cleaning.

The spherical shape of the powder granules lessens the likelihood of damage to teeth and soft tissue while removing stains and plaque quickly and safely.

■ Adverse reactions to this product are rare.



The surface of the tooth after powder polishing under an electron microscope



Perio-Mate



Extensive Range of Applications Ranging from Supragingival to Subgingival Use

Flexible Plastic Nozzle Tip Design Ensures Accessibility and is Gentle to The Pocket

The slim nozzle tip possesses just the right degree of flexibility to pass smoothly over tooth surfaces, and can be easily inserted into tight pockets and the root surfaces of adjacent teeth without causing the patient discomfort.



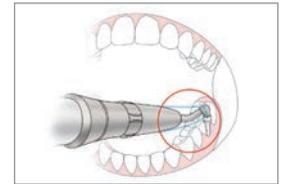
Optimize Using Powder Flow Analysis

Turbine development technology uses accumulated fluid analysis which allows 'spraying' that takes into account the powder flow in the pocket. It is not mono-directional, rather the flow is even and all-directional, minimising soft-tissue damage and subgingival plaque and biofilm can be removed efficiently. With respect to potential damage, powder (air) and water are separately discharged onto periodontal tissue.



Slim Nozzle Facilitates Operation in The Narrow Confines of The Oral Cavity

The long, narrow nozzle shape is designed to allow easy access to areas that require inserting the handpiece at an angle, such as between molars.



Smooth 360-degree Rotation for Safe and Accurate Operation

The handpiece can easily be rotated using the fingertips even while performing complex operations. The nozzle tip allows easy access to difficult to reach areas, and does not adversely affect neighbouring teeth and contours.



Powder Flow Volume Adjustment

The Perio-Mate's convenient Powder Control Ring makes fine-tuning powder flow simple and intuitive with quick fingertip adjustments. In addition to easily controlling and stopping the flow of powder in this way, you can cleanse the treatment area from biofilm uninterruptedly.



Product Maintenance

The user can easily disassemble the nozzle, handpiece and powder case. Powder clogging is unlikely when handled and maintained correctly but is easy to manage by following the maintenance guidelines and the relevant accessories included with the product. All the parts of the handpiece (other than the nozzle tip) can be repeatedly cleaned ultrasonically or sterilized in an autoclave.



Perio-Mate

Biofilm Eraser



Perio-Mate Complete System

	MODEL	ORDER CODE
NSK Coupling	PER-PTL-P	Y1002654
KaVo® Coupling	PER-KV-P	Y1002655
Sirona® Coupling	PER-SR-P	Y1002656
W&H® Roto Quick	PER-WH-P	Y1002657
Bien-Air® Unifix®	PER-BA-P	Y1002658
Midwest 4 hole (Direct-connect / Screw-on Type)	PER-M4-P	Y1002659
Borden 2 hole (Direct-connect / Screw-on Type)	PER-B2-P	Y1002660

■ No light during use (when using optic coupling).

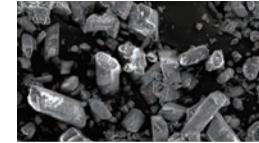
Contents

- Handpiece • Powder case • Nozzle tip (40 pcs) • Maintenance kit
- Perio-Mate Powder 160 g x 1

Perio Mate Powder

Powder Particle Comparisons

The fine Perio-Mate Powder is ideal for periodontal pocket treatment.

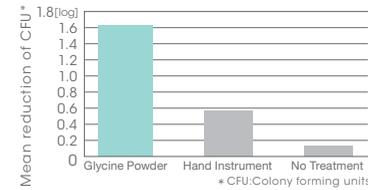


Conventional Sodium Bicarbonate Powder
Average particle diameter: 73 µm
Scanning electron microscope image magnification of 150 X



Perio-Mate Powder (glycine)
Average particle diameter: 25 µm
Scanning electron microscope image magnification of 150 X

Reduction of Bacteria



The air-polish process with Perio-Mate Powder (glycine-based) results in significantly better bacterial reduction than manual plaque removal.

Petersilka GJ, Tunkel J, Barakos K, Heinecke A, Häberlein I, Flemmig TF. Subgingival plaque removal at interdental sites using a low-abrasive air polishing powder. J Periodontol. 2003 Mar;74(3):307-11.

Features

- Subgingival airpolishing powder
- Principal ingredient is glycine, an amino acid present in proteins
- Highly water soluble to prevent subgingival retention
- Lower Mohs hardness than dentin
- * Glycine ranks 2 on the Mohs hardness scale, while dentin is 2 to 2.5
- Average powder particle diameter is 25 µm

MODEL	ORDER CODE
Perio Mate Powder	Y900938

- Contents : Two bottles (160 g each)



Perio Mate Nozzle Tip



MODEL	ORDER CODE
Perio Mate Nozzle Tip	Y1002741

- 40 pcs per pack



iProphy

Put The Control Back
in Your Hands.



Lightweight and easy to hold.

Ergonomically-designed and developed to include the latest ergonomic features. The lightweight, easy to hold and well-balanced handpiece feels light in the hand even when used for a long time.

An ultra mini head guarantees the best possible field of vision.

The thin, long ultra mini head ensures a wide field of vision within the oral cavity, easy access and excellent reach. Facilitates even smoother and more precise treatment.



Easy power control.

Power control at your fingertips. No foot-control required. iProphy easily maintains low speed rotation, which can be difficult with conventional contra-angles.

It has a simple and clearly designed user interface.

The intuitive user interface makes procedures stress free and contributes to a relaxed atmosphere. The ON/OFF key is large and easy to operate.



iProphy Heads



- For Prophy
- For screw-in type



- For disposable prophy angle



	MODEL	ORDER CODE
Reduction 4:1	iFX57	C1102
Reduction 4:1	PR-F	H209

iProphy Complete Set

MODEL	ORDER CODE
iProphy Complete set	Y1500015

Contents :

- iProphy Motor handpiece
- iFX57 Head
- iProphy Stand
- AC ADAPTOR
- F-Type Spray Nozzle

iProphy without Head

MODEL	ORDER CODE
iProphy W/O	Y1500069

Contents :

- iProphy Motor handpiece
- iProphy Stand
- AC ADAPTOR
- F-Type Spray Nozzle



ENDODONTICS



ENDO-MATE TC2

Stress free for more comfort

Cordless handpiece delivers freedom of movement. Lightweight, ergonomic design.

Mini head & Slim neck

Miniature head allows access even to the most difficult to reach areas. Slim neck assures higher visibility.

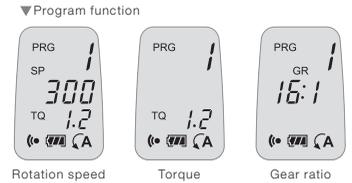


Safety for delicate endodontic treatment

Smart Auto Reverse & Alarm Function for safer endodontic procedures. The feedback circuit keeps stable rotation even when the load on the motor handpiece changes. Power turns off automatically to improve safety and save energy. Calibration function for more precise rotation speed and torque setting.

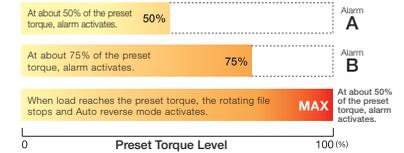
Program function

User definable 5 presets - Speed, Torque, Gear Ratio & Auto Reverse mode. Last program settings can be memorized when the power turns on.



Two kinds of alarm sound for safer and efficient treatment

Alarm enables operators to prevent to put too much burden on files, realizing less metal fatigue.



ENDO-MATE TC2 Complete Set

MODEL	ORDER CODE
ENDO-MATE TC2	Y1001027

- Contents :**
- MP-F16R Head
 - ENDO-MATE TC2 Motor
 - Battery Charger

ENDO-MATE TC2 Complete MPA Set

MODEL	ORDER CODE
ENDO-MATE TC2 MPA	Y1001028

- Contents :**
- MPA-F16R Head
 - ENDO-MATE TC2 Motor
 - Battery Charger

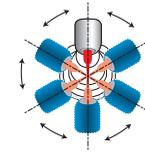
Specifications

- Speed range : 2,000-9,000 min-1
- Charge : 1.5 h (depending on workload)
- Continuous use : 1.2 h (depending on workload)



ENDO-MATE DT2

smart & portable



6 head angles for ease of treatment

Depending on the position of treatment site, the head angle can be adjusted to the best angle.



Quick coupling

Quick coupling allows for easy head exchange. All heads are autoclavable up to 135°C.



2-way ON/OFF switch

Features are :

- A: Push and release - Micromotor operates continuously until the button is pushed again.
- B: Push and hold - Micromotor operates continuously until the button is released.

Compatible all popular brands of Ni-Ti files

Up to 9 settings (speed and torque etc) can be programmed simply by pushing the memory function button. It's easy to switch between each preset program allowing work with all popular Ni-Ti file manufacturer's protocols.

Gear Ratio	Rotation Speed(min ⁻¹)
20:1	100-650
16:1	125-800

Auto reverse function

The auto reverse function activates when the preset torque level has been reached.

2 way power source

ENDO-MATE DT2 has been designed to work with a rechargeable battery for portable use or can be powered using the AC adaptor supplied.

Other function

Beeping sound notifies user when preset torque limit has been reached.

ENDO-MATE DT2 with 20:1 Head

MODEL	ORDER CODE
ENDO-MATE DT2 (230V)	Y1004230

- Control unit
- Motor and Cord
- MP-F20R head (20:1)
- Handpiece stand
- AC Adaptor

ENDO-MATE DT2 without Head

MODEL	ORDER CODE
ENDO-MATE DT2 W/O (230V)	Y1004231

- Control unit
- Motor and Cord
- Handpiece stand
- AC Adaptor



*Files are not included.

Specifications

- Power supply : AC 230 V 50/60 Hz and Battery pack
- Number of Programs: 9
- Max Torque : 7 Ncm (when using 20:1 head)
- Speed range : 100-13,000 min⁻¹ (With 20:1, 1:1 geared heads)
- Charge/Continuous use : 5 h / 2 h (depending on workload)
- Dimensions : W 93 x D 147 x H 100 (mm)
- Weight : Unit 440 g / Motor handpiece and Cord 95 g

ENDO-MATE TC2 / ENDO-MATE DT2 Heads

Apex Locator Capability

MPA and MPAS heads are equipped with built in probe ring which enable to use your Apex locator with the ENDO-MATE TC2 & DT2 systems. By combining an Apex Locator with NSK ENDO-MATE TC2 & DT2, clinicians will be able to perform more accurate root canal preparations. All contra angle heads are autoclavable up to 135°C.

2 types of file holders are available relevant to the shank length of the file selected.



MPA head
For long shank ø2.35



MPAS head
For short shank ø2.35
Shank length : up to 12 mm

Attach the Apex Locator Monitor by moving it forward to contact the file. Release by moving away from the file.



Connect



Disconnect

Suitable for Use with Most Major Brands of Ni-Ti Files

Rotation Speed (min ⁻¹)	Gear Ratio	Torque Level (Ncm)
200 - 900	10 : 1	0.2 - 2.2
140 - 550	16 : 1	0.3 - 3.0
100 - 450	20 : 1	0.4 - 4.0

- Miniature Head • For Ni-Ti files (ø2.35) • Push Button Chuck



	MODEL	ORDER CODE
20:1 Reduction	MP-F20R	Y110044
16:1 Reduction	MP-F16R	Y110096
10:1 Reduction	MP-F10R	Y110048



	MODEL	ORDER CODE
20:1 Reduction	MPAS-F20R	Y110046
16:1 Reduction	MPAS-F16R	Y110098

- Connection for Apex locator (for short shank)

iPexII



Features

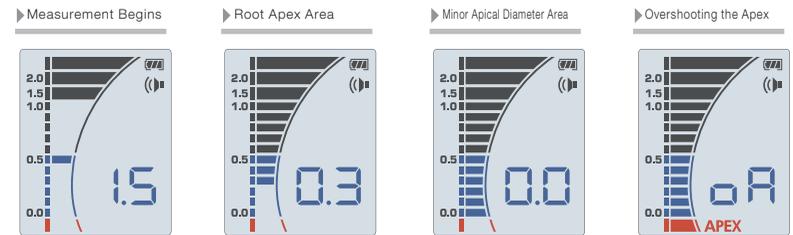
- High-precision root canal measurement generated by using SmartLogic
- Auto-detects the apex accurately in any conditions, dry or wet
- A stylish and compact body requiring only a small space
- 3 different alert sounds depending on the location of the file tip, ensuring precise procedures
- A 3 colour LCD panel with very low reflectivity, allowing clinicians to accurately and instantly monitor procedure progress
- Energy saving and low operation cost

Next-Generation SmartLogic Controller

NSK's SmartLogic controller combines two advanced technologies to accurately analyse signals. iPexII SmartLogic technology removes virtually all signal interference from the root canal itself to precisely detect the location of the apex.

- iPexII SmartLogic alternates between two separate frequencies to take measurements. By reducing the noise that interferes with signal analysis, it generates a high-precision wave system that does not require a filtering circuit.
- iPexII SmartLogic uses the whole wave system to analyse the extracted frequency. This produces steady measurement analysis even under varying conditions in the root canal while retaining a constant link to file insertion progress.

The 3 Colour LCD Visual Monitor Screen



Monitoring the Canal Depth

For integration into Endodontic instruments (ENDO-MATE TC2 / ENDO-MATE DT / Contra-angle)
The NSK endodontics products and iPexII ensure safe, precise and efficient root canal procedures.



iPexII Complete Set

MODEL	ORDER CODE
iPexII Complete Set	Y1002208

- Contents** • Control unit • iPexII Probe (1.8 m) • iPexII File Clip (3 pcs.) • Lip Hook (3 pcs.)
• AAA manganese dry batteries (3 pcs.) • iPexII Tester

Specifications

- Power Supply: for 1.5 V AAA (LR03 or R03) batteries
- Continuous use: Approx. 60 h
- Dimensions: W 60 x D 60 x H 86 (mm)
- Weight: 76 g (unit without batteries)

Endodontic Handpieces

Ti-Max Ti-ENDO Endodontic Handpiece with Adjustment Ring

With an easy-to-set adjustment ring, Ti-ENDO provides the precise torque control for sensitive endodontics procedures. Noticeably small head offers great access even in the molar area. Root-canal preparation can not be easier and safer! Applicable to all major brands' Ni-Ti files.

Advantages

- 4-level of torque settings (0.25, 0.5, 1.0, 3.0 Ncm)
- Exceptionally small head
- Push Button Chuck
- Solid Titanium Body
- For Ni-Ti files (ø2.35)
- 360° Rotation

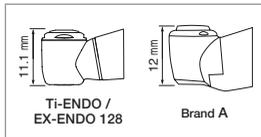


MODEL	ORDER CODE
128:1 Reduction Ti-ENDO	C589



Power Ring allows power setting at 4 different levels.

Head size comparison



EX Series

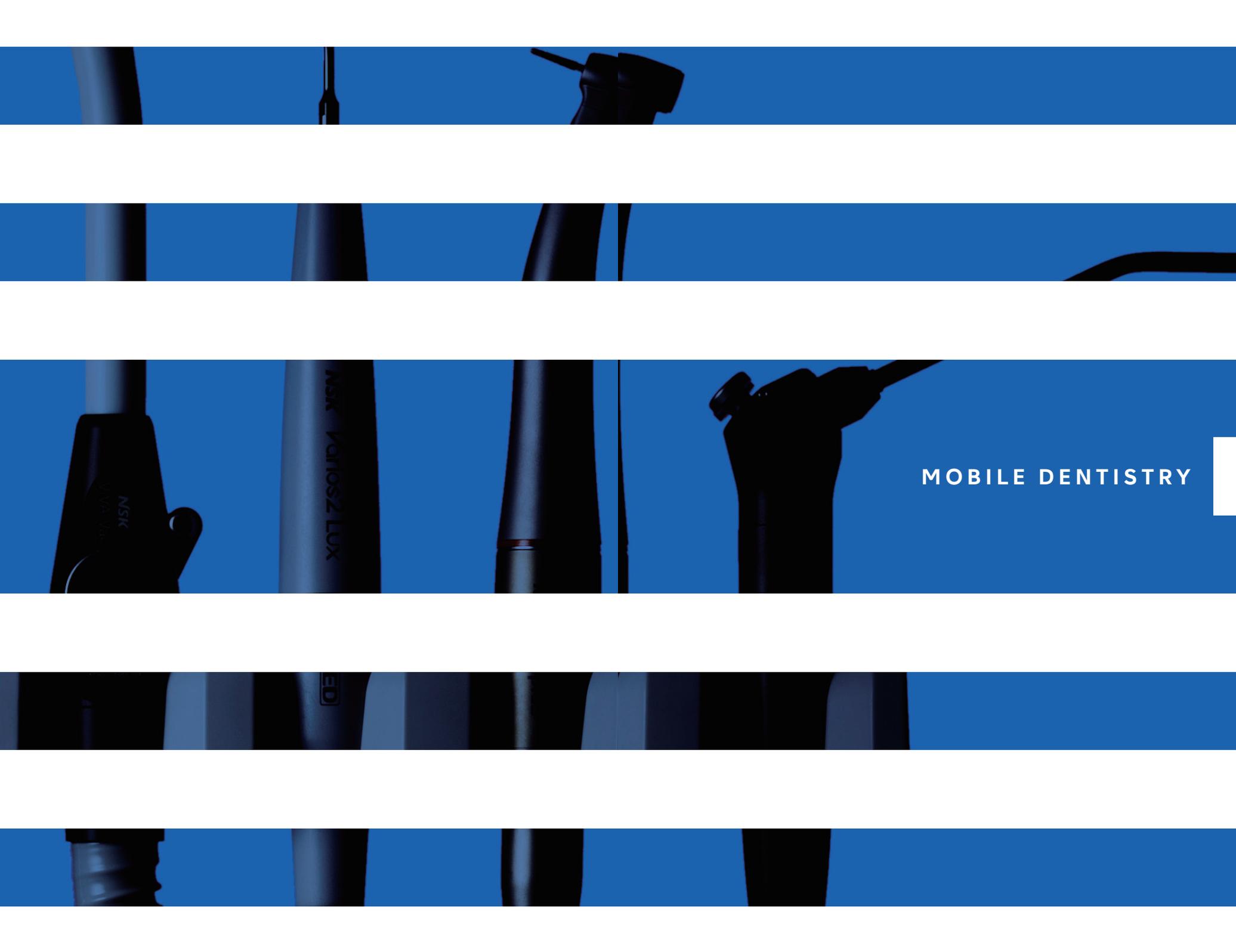
With one of the smallest heads available to endodontic handpiece, EX-ENDO 128 offers superb access even in the molar area. 128:1 reduction speed helps to provide safe and precise endodontic procedures. The compact body and Push Button Chuck reduces clinician's hand fatigue.

Advantages

- Exceptionally small head
- Push Button Chuck
- For Ni-Ti files (ø2.35)
- 360° Rotation



MODEL	ORDER CODE
128:1 Reduction EX-ENDO 128	C592



MOBILE DENTISTRY

Dentalone



Helping You Care. Anywhere.*

Dentalone offers a large range of instruments and extended functionalities, thus practitioners can realise dental treatments outside any dentist's office:

- NLX nano
Electric Clinical Micromotors
 - Smaller and lighter micromotor currently available.
- Varios2 Lux
Multi Function Ultrasonic Scalers
 - iPiezo engine ensures stable power output and performance.
- Multi Pad
Multi-Control Panel for built-in system
 - Visual identification on the display is possible even during operation of the handpiece.

- Illuminated LCD control panel Multi Pad
- 40,000 min⁻¹ autoclavable brushless NLX nano micromotor with LED light, internal water and titanium body
- Integrated multi function ultrasonic scaler Varios 170 with LED light, slim and light weight VA2-LUX-HP handpiece
- 3-way air / water / spray syringe with LED light
- Saliva complete suction
- 500 mL water tank
- 1 Liter waste container



Contents

- 1 Carrying Case
- 1 Water tank for spray
- 1 Tank for vacuum
- Built in compressor
- Built in suction pump
- 1 Variable Foot Control • 1 Extendable Tablet

Dentalone Complete Set

MODEL	ORDER CODE
Dentalone	S9070

Specifications

- Dimensions : Case with trolley (unpulled trolley handle) : W 351 x D 405 x H 545 (mm)
Case with trolley (pulled trolley handle) : W 351 x D 405 x H 1,075 (mm)
Without case : W 350 x D 405 x H 496 (mm)
- Working height : 766 mm
- Weight with case : 18.5 kg
- Power Supply : AC 100-230 V 50/60 Hz

VIVA ace



Wherever Possible

For more comfortable & more advanced home visits for dental treatment

As societies age more rapidly, there is an ever greater need for mobile dental treatment. Today's ageing population keeps more of their natural teeth, which means a wider range of treatments is required nearer to the patient. VIVA ace combines the functionality of a dental treatment centre in a compact body with multipurpose micromotor, ultrasonic scaler and more. Its lightweight build means it is easy to carry and straight forward to set up in different locations. The first of its kind with high-functionality, supports more comfortable dental treatment wherever the patient.

-  **Lightweight and Compact Body**
-  **High Functionality, Just Like a Treatment Centre**
-  **Straight Forward Set-up and Breakdown**

Lightweight and Compact Body

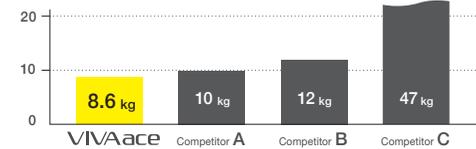
Highly manoeuvrable and lightweight, weighing only 8.6 kg. Its compact size is ideal for stowing in a car, is easily carried up and down stairs and fits into compact spaces. Simple to transport from one patient to another.

The small size has been achieved by making each component lightweight and compact without compromising functionality.

All-in-one Package

A micromotor, ultrasonic scaler, 3 in 1 syringe and suction combined in a single compact body including storage space for all instruments.

Lightweight at 8.6 kg ,* it can be Taken Anywhere.



*Weight without handpieces





Highly Functional Portable Dental System Just Like a Treatment Centre

Excellent efficiency and safety are achieved via both the intuitive and highly visible large LCD control panel and the superb functionality provided by each individual instrument. A high functionality system just like a treatment centre.

Advanced Functionality in a Compact Body



Photos are of optional extras.

High Functionality Micromotor

Full endodontic functionality



NLXplus

Ideally suited for all requirements of state of the art dentistry

	Rotation speed (min ⁻¹)	Torque (Ncm)
General mode	1,000~40,000	4.0
Endodontic mode	100~5,000	0.3~3.0

3 in 1 syringe



Lightweight and simple operating 3 in 1 syringe. The syringe nozzle uses a simple quick release mechanism.

Light Probe (optional)



isoE-LUX

Multipurpose Ultrasonic Scaler

Comprehensive tip range



Varios2 Lux

NSK iPiezo ultrasonic engine

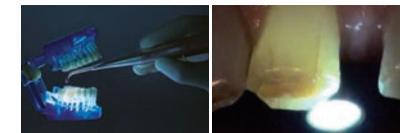
Provides the appropriate power at the tip end adapting to tooth conditions for firm or soft tartar. Safe scaling is possible even when removing hard tartar.

Suction



Built in ball lever valve to adjust suction power.

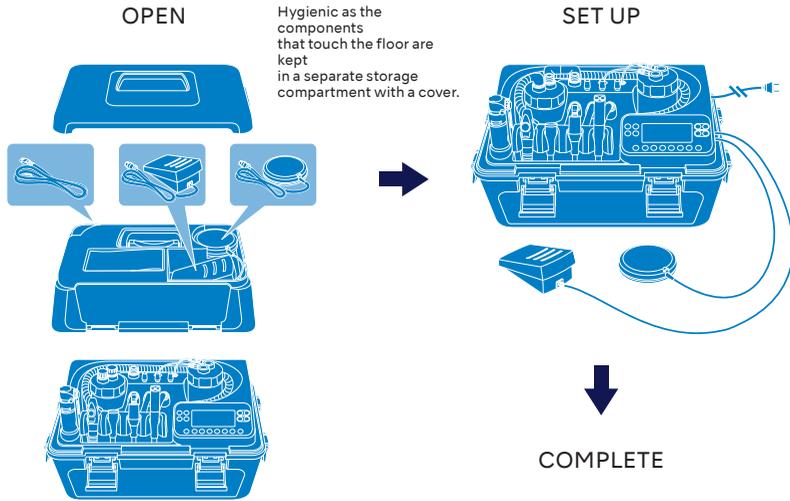
Bright illumination of the oral cavity in any treatment environment. Good accessibility with a slim body that also makes it possible to access hard-to-see areas.





Quick Set up and Storage

Set up and storage is straight forward, simple and quick, making work more efficient and easier. The instrument holders and arm can be set at 4 different levels.



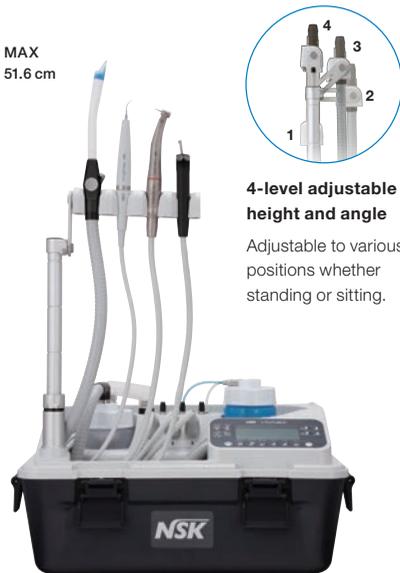
Storage is simple

Remove the handpieces for easy storage.



Very easy to maintain

MAX
51.6 cm



VIVA ace



MODEL	ORDER CODE
VIVA ace 230 Complete Set	Y1003773

Contents

- VIVA ace 230 Basic Set
- VIVA ace Motor Kit
- VIVA ace Scaler Kit

Specifications (Control unit)

- Dimensions : W 462 x D 298 x H 284 (mm)
- Unit weight : 8.6 kg
- Power Supply : AC 100-240 V 50/60 Hz
- Power source input : 130 VA



MODEL	ORDER CODE
VIVA ace 230 Basic Set	Y1003774

Contents

- Control unit
- AC Power Cord
- Foot Control (FC-76S)
- Foot Control (FC-70S)
- Top Case
- V-ace Vacuum Hose Set
- V-ace Vacuum Bottle Set
- V-ace Vacuum Nozzle (10)
- V-ace Water Bottle Set
- V-ace 3 way Syringe Set
- Shoulder Belt



MODEL	ORDER CODE
VIVA ace Motor Kit	E1040002

Contents

- Motor NLX plus
- Motor Cord
- Motor Cap
- Protection Plug



MODEL	ORDER CODE
VIVA ace Scaler Kit	E351006

Contents

- VA2-LUX Handpiece
- Scaler Cord
- Tip (G6, G8)
- Tip Wrench
- Tip Holder

VIVAMATE G5



Portable LED Micromotor;
From Denture Adjustment to General Applications

Internal Spray LED Micromotor



The compact size micromotor has been specifically developed for mobile dentistry and weighs only 148 g (w/cord) and features internal spray and LED light. Although fully portable it performs like an in-surgery system meeting a wide range of clinical requirements and is compatible with your existing contra-angles and straight handpieces¹ helping you to manage the cost of a mobile dentistry set-up.

¹ Conformable to ISO 3964.



Able to Use Both Rechargeable Battery and AC Adaptor for The Compact Control Unit

Able to operate with rechargeable batteries anywhere. When battery power level is low, just plug in AC adaptor into outlet; bring the unit to patient visits without worry. It is very easy to carry since the control unit is palm-size (W 72 x D 180 x H 36 mm) and weighs only 370 g.

Foot Control (Optional)

Conveniently adjust the motor speed by depressing the pedal of the foot control without taking your eyes of the treatment.



Carrying Case

Comes with a carrying case designed for storing VIVAMATE G5 unit and its attachments.



VIVAMATE G5 Complete Set

MODEL	ORDER CODE
VIVAMATE G5 230V	Y1002801

Contents

- Control unit
- Handpiece Stand
- Motor (Including Motor Cord)
- AC Adaptor
- AC Power Cord
- Carrying Case

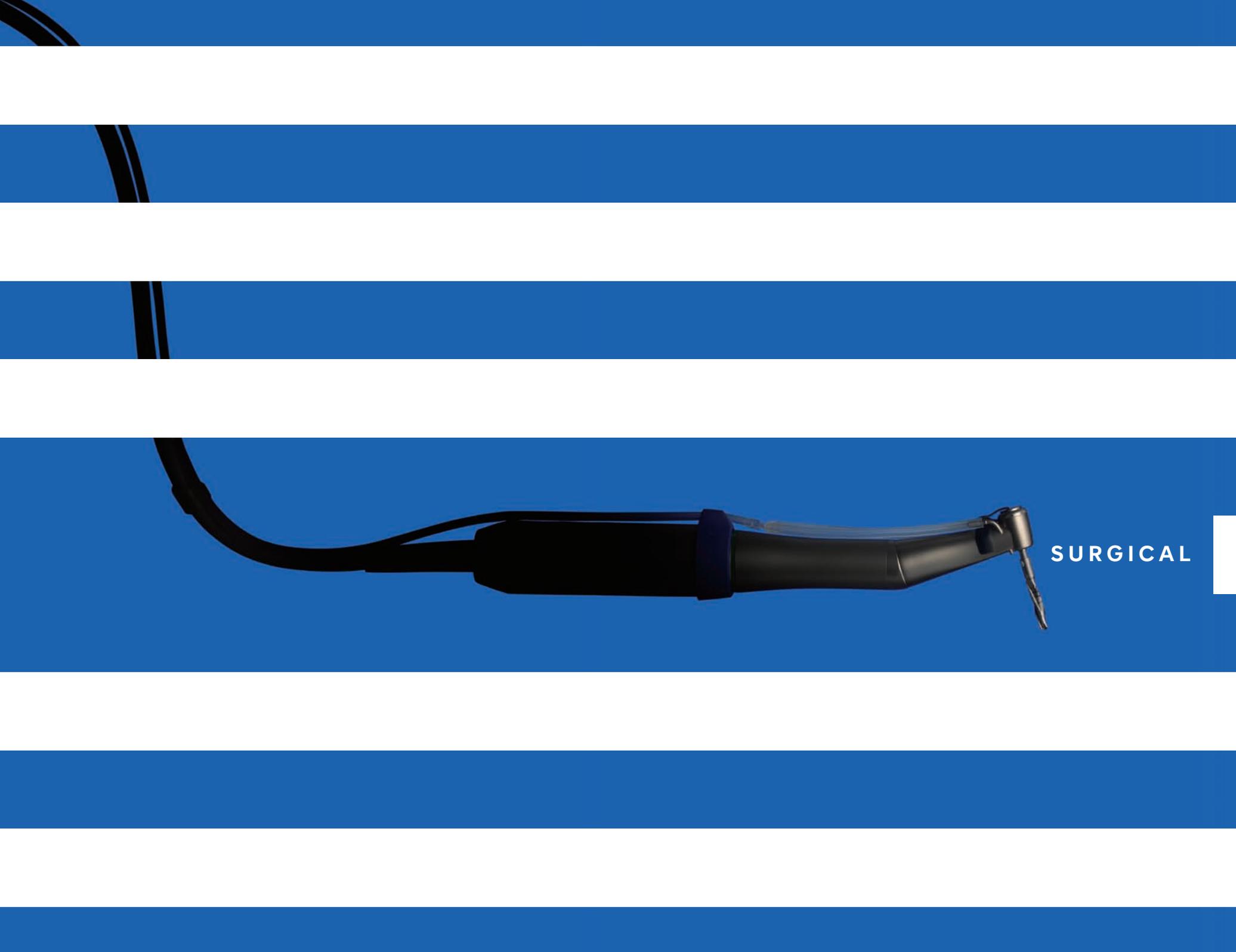
Specifications

[Control Unit]

- Dimensions : W 72 x D 180 x H 36 (mm)
- Weight : 370 g Charge/Continuous use : 2 h / 1 h (depending on workload)

[Micromotor]

- Dimensions : ø22 x L 68.6 (mm)
- Weight: 148 g (Include Motor cord)
- Speed: 3,000-30,000 min⁻¹
- Torque: 3 Ncm (30,000 min⁻¹ while rotating)



SURGICAL

Surgic Pro2 × VarioSurg 3



SYNERGY IN IMPLANTOLOGY

Link 2 Systems

Surgic Pro2 and VarioSurg 3 Generating Synergies Through Link Function

The Link function allows operation between the Surgic Pro2 oral surgery and implant micromotor system and the VarioSurg 3 ultrasonic bone surgery system using a single foot control. A common interface controls each system, allowing synergy in diverse surgical procedures and greatly streamlining treatment. Each system is available separately and is easily linked as required, making the system expandable and very affordable.



Link Function Easily Connects Two Systems

The Link function is easy to set up. Just connect the Surgic Pro2 and VarioSurg 3 units with the link cable. The two systems can be installed together using the compact Link Stand.



Link Module



Hands-free Program Adjustments Via Foot Control

The two systems can be operated using the single foot control which offers hands-free operation of functions such as ultrasonic wave ON/OFF, forward and reverse selection, coolant flow selection and Program selection.

Link Stand2

With the NSK link stand the two units can be safely stacked to save space.



Large and Clear Display for Enhanced Safety

The user-friendly display clearly indicates which system is active and ensures safe and accurate operation.

Surgic Pro2



GO BEYOND

The internationally acclaimed Surgic Pro surgical micromotor system has evolved into "Surgic Pro2". There are 3 progress points, in operation, safety and wireless extensibility. As well as further improving the basic performance of Surgic Pro, its supreme adaptability in connecting to various external devices offers improved safety, efficiency and operator comfort during treatment. Professionals depend on the reliability of their equipment on a daily basis. With Surgic Pro2 NSK have taken reliability to the next level.

3 Progress Points

- OPERABILITY
- SAFETY
- WIRELESS EXTENSIBILITY

OPERABILITY

There are a range of upgrades to ensure even greater comfort during implant treatment. These specifications put the needs of professionals first.

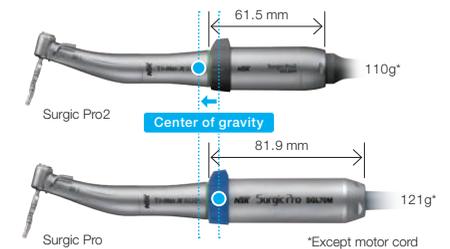


Improved operability A more compact new motor.

Significant size and weight reductions were achieved for the motor with NSK's proprietary micro-motor technology. Operability during treatment has been greatly improved by moving the center of gravity closer to the head of the handpiece. This increases efficiency and alleviates the stress during prolonged operation for strain-free, effortless operation.

Length 24.9% DOWN

Weight 9.1% DOWN



**Superb visibility and operability
Large color LCD panel**

Visibility is guaranteed with the large, back-lit, high-contrast, LCD panel. The display can be adjusted in 10 brightness levels. The display's intuitive and easy-to-understand icons allow for smooth operation.



Easy-clean flat screen display

The sensitivity of the touch panel can be adjusted to reliably respond when surgical gloves and surgical barrier sheets are in use. Ultra narrow bezel of the display makes cleaning easier. The new design takes into account the latest treatment and cross-infection control requirements.

**Visibility is significantly improved
with the high-resolution color LED.**

Use of high-resolution color LED allows blood and gums to be seen as if naturally-lit, thereby providing increased visibility during treatment.

The LED light source generates a minimal amount of heat and has excellent life expectancy.



High color rendering LED

Standard White LED

Silent and Smooth Irrigation Pump

The irrigation pump provides consistent and steady flow operating quietly in the background. Irrigation tube set-up is simple and straight-forward and the pump fits seamlessly in the compact and elegant design of Surgic Pro2.



SAFETY

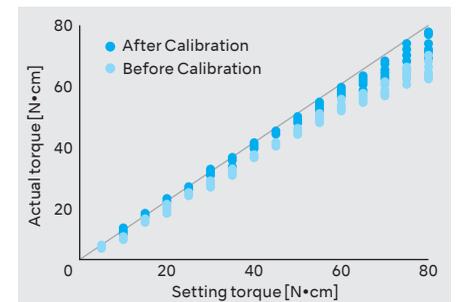
Synonymous with Surgic Pro safer procedures are made possible with increased torque precision combined with the "Osseointegration Monitoring Device, Osseo 100+".



**NSK's Drive for Accuracy Ensure Safe Treatment
through Accurate Torque Correction**

The displayed torque value accuracy is dependent on the state of handpiece bearings and gear abrasion. Surgic Pro2 torque calibration allows for this to be taken into account to display more accurate values.

NSK's 'Advanced Handpiece Calibration' (AHC) function corrects the differences in actual handpiece condition using automatic calibration with no load current and load-bearing calibration to achieve accurate torque values for successful implant surgery.



Minimizing the discrepancy between the set torque value and the actual output helps improve treatment outcomes.

**The Osseointegration Monitoring Device,
Osseo 100+ for more predictable treatment**

Osseo 100+ measures implant stability and osseointegration to enhance decisions about when to load. Especially important when using protocols with shorter treatment time and treating risk patients.

By connecting with the Surgic Pro2 it is possible to share and manage the measured ISQ value on external terminals.



Contactless ISQ value measurement. There is no additional impact on the implant or abutment.

WIRELESS EXTENSIBILITY

Wireless connection with multiple devices significantly broadens the scope of implant treatment.



Linked with Osseointegration Monitoring Device, Osseo 100+

The Osseointegration Monitoring Device, "Osseo 100+" measures the implant stability quotient contactlessly and can be connected using Bluetooth®, permitting ISQ confirmation over a shared interface. You can share and manage the data of those measured ISQ scores on other terminals through Surgic Pro2. Surgic Pro2 itself offers such high extensibility as like this ISQ function is already equipped inside. It only takes 3 easy steps to use the Osseo 100+.



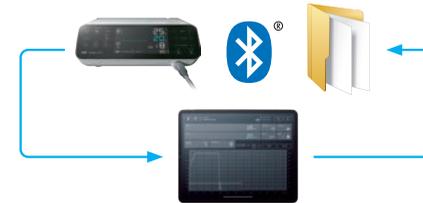
Linked with the "VarioSurg 3" ultrasonic bone surgery system

Surgic Pro2 can easily be linked with the NSK ultrasonic surgical system Variosurg 3 by adding our bluetooth link module.



Linked with iPads

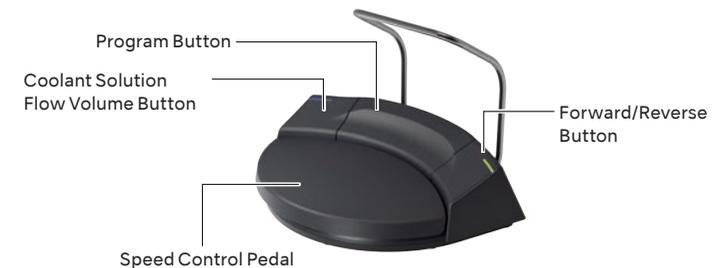
Installing a dedicated application and connecting an iPad to the control unit enables real-time display of detailed procedural data, such as the rotation speed and the torque range. Procedural data can also be saved. Data can also be displayed and saved when connecting with Osseo 100+. Traceability data management of procedural details allows implant treatment to be tailored to individual patients.



Linked with a wireless foot control

Bluetooth connectivity allows selection of the optimal position without worrying about cable length. The foot controller is 400g lighter than the previous model (hanger included) making it easy to reposition. You can keep your focus on the treatment. The "Coolant Solution Flow Volume Button", "Program Button" and "Forward/Reverse Button" may be customized using the 3 installed buttons allowing the operator to choose their preferred mode of operation. The energy-efficient power supply uses 3 AAA batteries, which last about 6 months.

A flashing light indicates when the batteries are running low.



Surgic Pro2



Complete Set with X-SG20L

Optic	MODEL	ORDER CODE
●	Surgic Pro2 OPT	Y1004195

Contents

- Control Unit
- SGL80M Optic Micromotor
- X-SG20L Optic Handpiece (20:1 Reduction)
- FOOT CONTROL WIRELESS
- Irrigation tube (Pack of 3) and other accessories

Specifications :

Control Unit with AHC	Micromotor	FOOT CONTROL WIRELESS
• Power Supply: AC 100-240V 50/60 Hz	• Torque: 5-80 Ncm	• Foot Control Functions: Coolant Solution
• Max. Pump Output: 75 mL/min	• Motor Speed: 200-40,000 min ⁻¹	Flow Volume Button, PRG(Program)
• Programs: 8 Programs / Implant Systems	• Light Power: over 32,000 LUX (Optic Micromotor)	Button, Forward/Reverse Button, Speed Control Pedal
• Dimensions: W 245xD 235xH 90 (mm)		

Complete Set with SG20

Optic	MODEL	ORDER CODE
—	Surgic Pro2 NON-OPT	Y1004196

Contents

- Control Unit
- SG80M Non-Optic Micromotor
- SG20 Handpiece (20:1 Reduction)
- FOOT CONTROL WIRELESS
- Irrigation tube (Pack of 3) and other accessories

OPTION

Wireless Link Tools

(Surgic Pro2 x VarioSurg 3)

Connecting via the compact Wireless Link Set allows for operation of 2 surgical systems with a single wireless foot control.

- Link Box
- Link Cable



MODEL	ORDER CODE
Link Module	Z1402001

Link Module **Z1402001**



MODEL	ORDER CODE
Link Stand2	Z1452001

Link Stand2 **Z1452001**

iCart Duo

The Surgic Pro2 and VarioSurg 3 surgical systems and their accessories are efficiently and functionally housed in specialist carts.



MODEL	ORDER CODE
iCart Duo	S9090

iCart Duo **S9090**

Osseo 100+

(implant Stability Measurement System)

The implant stability level can be set, facilitating safer implant treatment.

Manufacturer
Integration Diagnostics Sweden AB



MODEL	ORDER CODE
Osseo 100+	Y1004176

Osseo 100+ **Y1004176**

Sterilization Cassette

The sterilization Cassette is designed for the safe processing and storage of Surgic Pro2 components.

- Dimensions : W 279x D 183x H 34 (mm)



MODEL	ORDER CODE
SG-CASE	S900040

SG-CASE **S900040**

Carrying Case for Surgic Pro2

Carrying case for components and accessories of Surgic Pro2

- Dimensions : W 534 x D 427 x H 207 (mm)



MODEL	ORDER CODE
Carrying Case	Y1004219

Carrying Case **Y1004219**

Surgic Pro+

×

VarioSurg 3



SYNERGY IN IMPLANTOLOGY

Two linked surgical systems that use a single foot control.
A brand new approach to implant and surgical treatment.

Link 2 Systems

Surgic Pro and VarioSurg 3 Generating Synergies Through Link Function

The Link function allows operation between the Surgic Pro oral surgery and implant micromotor system and the VarioSurg 3 ultrasonic bone surgery system using a single foot control. A common interface controls each system, allowing synergy in diverse surgical procedures and greatly streamlining treatment. Each system is available separately and is easily linked as required, making the system expandable and very affordable.



Link Function Easily Connects Two Systems

The Link function is easy to set up. Just connect the Surgic Pro and VarioSurg 3 units with the link cable. The two systems can be installed together using the compact Link Stand.



Hands-free Program Adjustments Via Foot Control

The two systems can be operated using the single foot control which offers hands-free operation of functions such as ultrasonic wave ON/OFF, forward and reverse selection, coolant flow selection and program selection.



Large and Clear Display for Enhanced Safety

The user-friendly display clearly indicates which system is active and ensures safe and accurate operation.



Surgic Pro+

The Professional Choice

NSK offers advanced technology to greatly enhance clinical performance. Surgic Pro is compact, lightweight and powerful to reliably deliver everything that professionals demand.

Calibration

NSK's Drive for Accuracy Ensures Safe Treatment Through Accurate Torque Correction



Maintaining Accurate Torque with AHC

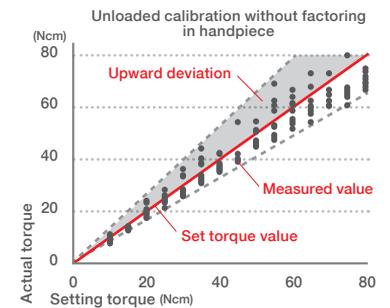
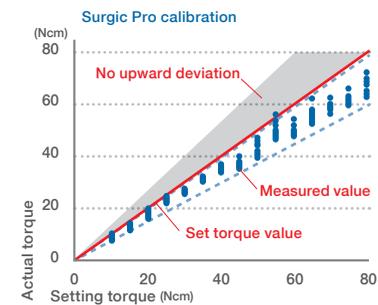
NSK's proprietary Advanced Handpiece Calibration (AHC) ensures the correct torque value required for specific treatments.

There is normally a small misalignment between pre-set and actual torque values owing to friction between bearings and contra-angle gear. AHC corrects this misalignment to guarantee accurate torque values.

High-precision Calibration

Unloaded, loaded and speed level adjustments improve the precision of calibration, which can be according to handpiece usage.

NSK's Safe Calibration Approach Factors in Handpiece Usage Conditions



An Advanced Surgical Motor for Demanding Clinical Environments

NSK developed the Surgic Pro SGL70M by analyzing feedback from clinicians to ensure that this 5th generation surgical micromotor satisfies professional requirements. The light and compact Surgic Pro SGL70M features an LED light for high visibility, with up to 80 Ncm of torque for diverse surgical procedures, paving the way for an advanced treatment environment.



Well-balanced, with a Compact and Lightweight Micromotor

Streamlining efforts reduced the size by 16.2 mm and the weight by 42 g to improve balance during use the Surgic Pro motor, greatly reducing any strain on clinicians.

LED Optics for Safer, More Accurate Treatment

NSK LEDs generate natural daylight-quality light to illuminate the treatment area, enabling more precise surgery and shortened operation times. The lights increase safety because they do not overheat and are long-lasting.



Optic	MODEL	ORDER CODE
●	SGL70M	E1023
—	SG70M	E1025

- Solid titanium body
- with Cord 2 m

Compact Body and Large LCD Display

The compact control unit features a sophisticated design including a large, high visibility backlight LCD panel and intuitive control buttons to contribute a safer and user friendly working environment.

Advanced Irrigation Pump

The pump allows easy set-up of irrigation tubes and is extremely quiet during operation.



Memorises Eight Different Implant Systems

The Surgic Pro memorises eight different implant systems and a total of 64 programs. The programmable parameters are gear ratio, speed, rotation direction, torque limit, coolant solution volume and illumination intensity. This is extremely useful when using two or more implant brands. Once you complete programming, simply push a button to call procedures up.

Data Log Function

The Surgic Pro's data log function can record and store speed, torque values, and other patient treatment data. Such efficient data management helps ensure safe clinical practices.

*Maximum internal memory capacity is 100 minutes

Data Management

Treatment data can be easily accessed and downloaded using a USB stick. Files can be transferred and added to patient records.

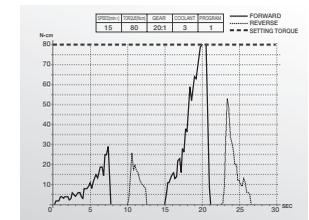
*USB memory stick not included.



Easy Treatment Data Handling

No specific software is required to display CSV or bitmap files.

*File formats : csv or bmp



Surgic Pro+



Surgic Pro+ Complete Set with X-DSG20L Optic Handpiece

Optic	MODEL	ORDER CODE
●	Surgic Pro + OPT-D	Y1003585

- Contents
- Control Unit with data storage facility
 - SGL70M LED Micromotor
 - FC-78 Foot Control
 - X-DSG20L Optic Handpiece (20:1 Reduction)
 - Irrigation tube (5 pcs.) and other accessories

Surgic Pro Complete Set with SG20 Handpiece

Optic	MODEL	ORDER CODE
—	Surgic Pro NON-OPT	Y1003587

- Contents
- Control Unit without data storage facility
 - SG70M Non-Optic Micromotor
 - FC-78 Foot Control
 - SG20 Handpiece (20:1 Reduction)
 - Irrigation tube (5 pcs.) and other accessories

Specifications

Control Unit with AHC	
• Power Supply	: AC 230 V 50/60 Hz
• Max. Pump Output	: 75 mL/min
• Programs	: 8 Programs / Implant Systems
• Dimensions	: W 265 x D 220 x H 100 (mm)
Micromotor	
• Torque	: 5-80 Ncm
• Motor Speed	: 200-40,000 min ⁻¹
• Light Power (LED Micromotor)	: over 32,000 LUX
Foot Control	
• Foot Control Functions	: Program Button, Speed Control Pedal Coolant Flow Volume Button Forward / Reverse Button

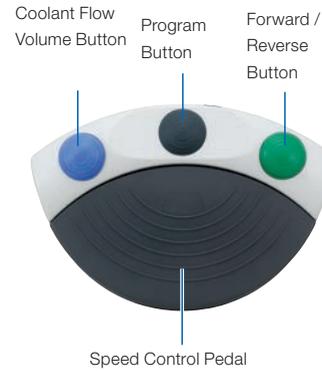
Surgic Pro Complete Set with X-SG20L Optic Handpiece

Optic	MODEL	ORDER CODE
●	Surgic Pro OPT	Y1003586

- Contents
- Control Unit without data storage facility
 - SGL70M LED Micromotor
 - FC-78 Foot Control
 - X-SG20L Optic Handpiece (20:1 Reduction)
 - Irrigation tube (5 pcs.) and other accessories

Foot Control

The Foot Control is user friendly and allows operation of all functions within the preset parameters without touching the control panel to avoid accidental activation of the micromotor outside the preset limits. The Surgic Pro/Surgic Pro+ is certificated according to IPX8.



MODEL	ORDER CODE
FC-78	Z1102001
• With 2 m cord	

Handle Set (Optional)

Easy to attach foot control handle. Hanger can easily be moved with the foot control.



MODEL	ORDER CODE
Handle Set	Z1027001

Optional

Carrying Case

The NSK Carrying Case can accommodate all Surgic Pro components as well as the optional sterilization cassette.



MODEL	ORDER CODE
Carrying Case (Surgic Pro)	Y1001952
• Dimensions : W 534 x D 427 x H 207 (mm)	

iCart Duo

Install the control unit and accessories on the cart.



MODEL	ORDER CODE
iCart Duo	S9090
• Dimensions : H 101.65 cm • Weight : 16.5 kg	

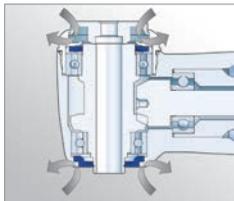
Implant Handpieces

Dismantlable Contra-angle Handling up to 80 Ncm of Torque



Easy to Disassemble and Clean

The DSG20 contra-angle can be disassembled with a simple twist for easy internal cleaning. NSK's unique locking mechanism prevents accidental disassembly during operation.



Double Sealing System

NSK's unique double sealing system prevents blood and other contaminants from entering the instrument head to ensure longevity of the instruments.

Ti-Max X-DSG20L



- Titanium Body with Scratch Resistant DURACOAT
- Cellular Glass Optics
- Push Button Chuck
- External and internal cooling (Kirschner and Meyer)
- Double Sealing System
- Max. Torque : 80 Ncm
- Max. Speed : 2,000 min⁻¹

Dismantling Surgical Handpiece



	Optic	MODEL	ORDER CODE
20:1 Reduction	●	X-DSG20L	C1068
	—	X-DSG20	C1067

Ti-Max X-DSG20Lh



Hexagon Chucking System

Hexagon chucking system maintains high bur holding power at a high torque, enabling safe and stable operation. Can be used with regular burs as well.

- Titanium Body with Scratch Resistant DURACOAT
- Cellular Glass Optics
- Push Button Chuck
- External and internal cooling (Kirschner and Meyer)
- Double Sealing System
- Max. Torque : 80 Ncm
- Max. Speed : 2,000 min⁻¹

Dismantling Surgical Handpiece Hexagon Chucking System



	Optic	MODEL	ORDER CODE
20:1 Reduction	●	X-DSG20Lh	C1076
	—	X-DSG20h	C1075

- This handpiece is used only for the NSK Surgical Unit with torque calibration. (eg. Surgic Pro series)

Implant Handpieces

Ti-Max X-SG20L



- Titanium Body with Scratch Resistant DURACOAT
- Cellular Glass Optics
- Push Button Chuck
- External and internal cooling (Kirschner and Meyer)
- Double Sealing System
- Max. Torque : 80 Ncm
- Max. Speed : 2,000 min⁻¹



	Optic	MODEL	ORDER CODE
20:1 Reduction	●	X-SG20L	C1003

Ti-Max nanoSG20LS

- Titanium Body with Scratch Resistant DURAGRIP
- Cellular Glass Optics
- Push Button Chuck
- External and internal cooling (Kirschner and Meyer)
- Double Sealing System
- Max. Torque : 80 Ncm
- Max. Speed : 2,000 min⁻¹



	Optic	MODEL	ORDER CODE
20:1 Reduction	●	nanoSG20LS	C1103

nano Series instruments are compatible with NSK motor line up (NLX nano, NLX plus, M40LED, NBX, NBX N, X205L, M205LG and SGL70M micromotors) and other motors with insert less than 23 mm.

S-Max SG20

- Stainless Steel Body
- Push Button Chuck
- External and internal cooling (Kirschner and Meyer)
- Double Sealing System
- Max. Torque : 80 Ncm
- Max. Speed : 2,000 min⁻¹



	Optic	MODEL	ORDER CODE
20:1 Reduction	—	SG20	C1010

• This handpiece is used only for the NSK Surgical Unit with torque calibration. (eg. Surgic Pro series)

SGX-E20R

- Stainless Steel Body
- Max. Speed : 2,000 min⁻¹
- Max. Torque : 50 Ncm
- Twist Chuck
- Angle Handpiece
- External cooling
- For Osteotomy preparation / insertion of Zygoma implants for Maxillofacial / oral surgery



	Optic	MODEL	ORDER CODE
20:1 Reduction	—	SGX-E20R	HA1200



Can be use up to 80 Ncm



Washable in the thermodisinfector



Autoclavable up to 135°C



Can be use up to 80 Ncm



Washable in the thermodisinfector



Autoclavable up to 135°C

Implant Handpieces

Ti-Max X-SG93L



Triple Spray

- Titanium Body with Scratch Resistant DURACOAT
- For FG burs (ø1.6)
- Cellular Glass Optics (X-SG93L)
- Clean Head System
- Push Button Chuck
- External cooling
- Max. Speed : 120,000 min⁻¹



	Optic	MODEL	ORDER CODE
1:3 Increasing	●	X-SG93L	C1004
	—	X-SG93	C1007

Ti-Max X-SG65L

Straight Handpiece



- Titanium Body with Scratch Resistant DURACOAT
- For HP burs (ø2.35)
- Cellular Glass Optics (X-SG65L)
- Clean Head System
- External cooling
- Max. Speed : 40,000 min⁻¹



	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	X-SG65L	H1009
	—	X-SG65	H1038

Ti-Max X-SG25L

- Titanium Body with Scratch Resistant DURACOAT
- For CA burs (ø2.35)
- Cellular Glass Optics
- Clean Head System
- Push Button Chuck
- External cooling
- Max. Speed : 40,000 min⁻¹



	Optic	MODEL	ORDER CODE
1:1 Direct Drive	●	X-SG25L	C1011

Ti-Max Z-SG45L



Triple Spray

- Titanium Body with Scratch Resistant DURAGRIP
- Cellular Glass Optics (Z-SG45L)
- Ceramic Bearings
- Clean Head System
- Push Button Chuck
- External cooling
- For FG burs (ø1.6 / 20-25 mm)
- Anti Heat System
- DLC Coating
- Max. Speed : 120,000 min⁻¹



	Optic	MODEL	ORDER CODE
1:3 Increasing	●	Z-SG45L	C1107
	—	Z-SG45	C1108

Implant Handpieces

SGM-ER20i



- External and internal cooling (Kirschner and Meyer)
- with Wrench for handpiece attachment
- Max. Speed : 2,000 min⁻¹

SGMS-ER20i

With Depth Indicator



2 types of Depth Indicators are available. Both are easy to attach and detach for smooth operation.



- External and internal cooling (Kirschner and Meyer)
- with two Depth Indicators, Wrench for handpiece attachment, Ruler
- Max. Speed : 2,000 min⁻¹

Micro Surgery Handpieces

Straight Handpieces



- For surgical burs (ø2.35)
- Twist chuck
- Max. Speed : 40,000 min⁻¹




- For surgical burs (ø2.35)
- Twist chuck
- Max. Speed : 80,000 min⁻¹

20° Angle Handpieces



- For surgical burs (ø2.35)
- Twist chuck
- Max. Speed : 40,000 min⁻¹



- For surgical burs (ø2.35)
- Twist chuck
- Max. Speed : 80,000 min⁻¹

Micro Saw Handpieces



- 1.8 mm Reciprocating
- With External Spray Nozzle



MODEL	ORDER CODE
3.2:1 Reduction SGR2-E	SH162



- 17° Oscillating
- With External Spray Nozzle



MODEL	ORDER CODE
3.5:1 Reduction SGO2-E	SH164



- 3° Sagittal
- With External Spray Nozzle



MODEL	ORDER CODE
3.2:1 Reduction SGT2-E	SH163

SGR2-E Blades for Reciprocating

MODEL		ORDER CODE
SGR-1	<ul style="list-style-type: none"> • Blade thickness 0.35 mm • Pack of 10 blades 	Y900072
SGR-2	<ul style="list-style-type: none"> • Blade thickness 0.35 mm • Pack of 10 blades 	Y900073
SGR-3	<ul style="list-style-type: none"> • Blade thickness 0.35 mm • Pack of 10 blades 	Y900074

SGO2-E Blades for Oscillating

MODEL		ORDER CODE
SGO-1	<ul style="list-style-type: none"> • Blade thickness 0.3 mm • Single blade 	H174034
SGO-2	<ul style="list-style-type: none"> • Blade thickness 0.3 mm • Single blade 	H174044
SGO-3	<ul style="list-style-type: none"> • Blade thickness 0.3 mm • Single blade 	H174031
SGO-4	<ul style="list-style-type: none"> • Blade thickness 0.3 mm • Single blade 	H174041
SGO-5	<ul style="list-style-type: none"> • Blade thickness 0.35 mm • Single blade 	H174032
SGO-6	<ul style="list-style-type: none"> • Blade thickness 0.35 mm • Single blade 	H174042

SGT2-E Blades for Sagittal

MODEL		ORDER CODE
SGT-1	<ul style="list-style-type: none"> • Blade thickness 0.35 mm • Pack of 10 blades 	Y900075
SGT-2	<ul style="list-style-type: none"> • Blade thickness 0.35 mm • Pack of 10 blades 	Y900076

Osseo 100+



Removes Doubt

Osseo 100 measures implant stability and osseointegration to support decision on when to load an implant.

Especially important when working with shorter treatment time or managing risk patients.

The uncomplicated procedure that measures ISQ allows the implant loading period to be planned in advance. The reconstruction of crowns and bridges can be monitored to optimize timing to decrease the risk for failures. Measurements can be made without unnecessary impact since the equipment does not come into physical contact with the implant or abutment.

Wireless connection with Surgic Pro2

Osseo 100+

Connectivity with Surgic Pro2

The ISQ value is transferred automatically when connected with Surgic Pro2. The Bluetooth® connection means that clinical procedures will be undisturbed.

Wireless data management

The measured ISQ can be shared and processed with data on external terminals via Surgic Pro2.



Stand-alone

Osseo 100

By mounting a MultiPeg™ the measurement is made in a second. A numerical result appears on an LED screen and that indicates how well the implant has integrated.



3-step procedure

1. The MultiPeg™ is attached to the implant. It screws effortlessly into the implant's internal threads. (approximately 6-8 Ncm of torque).
2. Just aim for the magnet on top of the MultiPeg™. Non-invasive, objective, accurate and repeatable. The peg is excited by magnetic pulses and vibrates due to the stiffness in the contact area between the bone and the implant surface.
3. An ISQ value is generated and shown on the display. This reflects the level of stability on the universal ISQ scale – from 1 to 99. The higher the ISQ value, the more stable the implant.

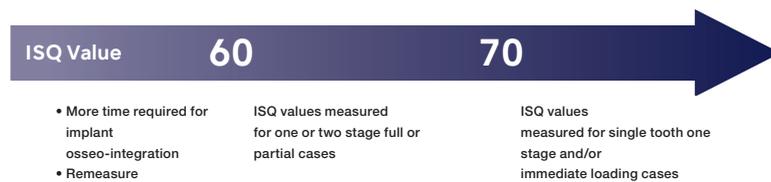


About ISQ

*The below is not a clinical recommendation from NSK.

Decreasing micro mobility with increasing ISQ values.

By taking a baseline value at implant placement and another before loading, the degree of osseointegration can be measured.



1. Sennerby L Prof., Implantologie 2013; 21(1): 21-23
2. Kokovic V, Jung R, Feloutzis A, Todovic V, Jurisic M, Hämmerle C. Clinical Oral Implants Research, 00, 2013, 1-6
3. M Bornstein, C Hart, S Halbritter, D Morton, D Buser, Prof. Dr. med. dent. Clin Implant Dent Relat Res 2009
4. Serge Baltayan, Joan Pi-Anfruns, Tara Aghaloo, Peter Moy. J Oral Maxillofac Surg 74:1145-1152, 2016
5. P O Östman, Private practitioner, Falun- and Biomaterial Group, Sahlgrenska Academy Gothenburg. Clinical Implant Dentistry and Related Research, Volume 7, Supplement 1, 2015
6. Daniel Rodrigo, Luis Aracil, Conchita Martin, Mariano Sanz. Clin. Oral Impl. Res. 21, 2010; 255-261
7. Pagliani L, Sennerby L, Petersson A, Verrocchi D, Volpe S & Andersson P. Journal of Oral Rehabilitation 2012
8. P Trisi PhD, T Carlesi DDS, M Colagiovanni DDS, G Perfetti MD, DDS. Journal of Osteology and Biomaterials, Volume 1, Number 3, 2010
9. S Hicklin, E Schneebeli, V Chappuis, S Francesco, M Janner, D Buser, U Brägger. Clin. Oral Impl. Res. 00, 2015; 1-9
10. L. Milillo, C. Fiandaca, F. Giannoulis, L. Ottria, A. Lucchese, F. Silvestre, M. Petruzzi. Oral & Implantology - anno IX - n. 3/2016

REUTILIZABLE MultiPeg™

- For all major implant systems*
- Tissue friendly, durable titanium
- Autoclavable appx. 20 times
- Optimal platform fit
- ISQ Standard Calibrated

*There are different MultiPegs™ available made to fit different implant system and types. Please refer to the updated list from the supplier.



Wireless connection with Surgic Pro2 Osseo 100+

- Contents**
- Osseo 100+ Instrument
 - MultiPeg Driver
 - Mains adapter and plugs
- MultiPeg™ is not included, sold separately.



Stand-alone Osseo 100

- Contents**
- Osseo 100 Instrument
 - MultiPeg Driver
 - Mains adapter and plugs
- MultiPeg™ is not included, sold separately.

MODEL	ORDER CODE
Osseo 100+	Y1004176
Osseo 100	Y1004175

Specifications

- Power input : 5VDC, 1 VA
- Charger input : 100-240 VAC, 5 VA
- Instrument weight : 100 g
- Battery full charge time : appx. 3 hours.*
- Battery continuous drive time : appx. 1 hour.*

*Varies depending on usage situations.

iSD900



Advantages

- Universal to major implant systems
- Reliable and durable contra-angle handpiece with excellent accessibility
- Audible beeping noise to indicate reverse rotation
- Standard battery (AAA Ni-MH) is easily replaced on site
- LCD control panel offering outstanding visibility and operability

Faster and Safer Implant Treatments

NSK's iSD900 cordless screwdriver helps to safely place and remove cover screws, healing caps and abutments during dental implant procedures, making treatment up to 50% faster.



Faster Treatment

NSK's iSD900 cordless screwdriver safely inserts and removes cover screws, healing caps and abutments during implant procedures, making treatment up to 50% faster.



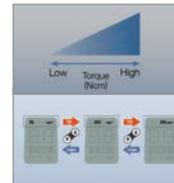
Accommodating Diverse Operative Fields

It can be difficult to maintain good visibility of the operating field when retracting the buccal mucosa when using a conventional ratchet wrench with both hands. The iSD900 allows single-handed operations to ensure better visibility across the whole operating field.



Torque Calibration System to Guarantee Safety

The unique torque calibration system (TCS) of the iSD900 ensures accurate torque values at all times.



Torque Range Accommodating Diverse Procedures and Three Rotation Speeds

NSK's iSD900 has a torque range of 10 Ncm to 40 Ncm to ensure precise torque adjustments and settings in 1 Ncm or 5 Ncm increments according to procedures. The iSD900 offers 15 min⁻¹, 20 min⁻¹, and 25 min⁻¹ speeds according to procedure requirements.



iSD900 Complete Set

MODEL	ORDER CODE
iSD900	Y1001358

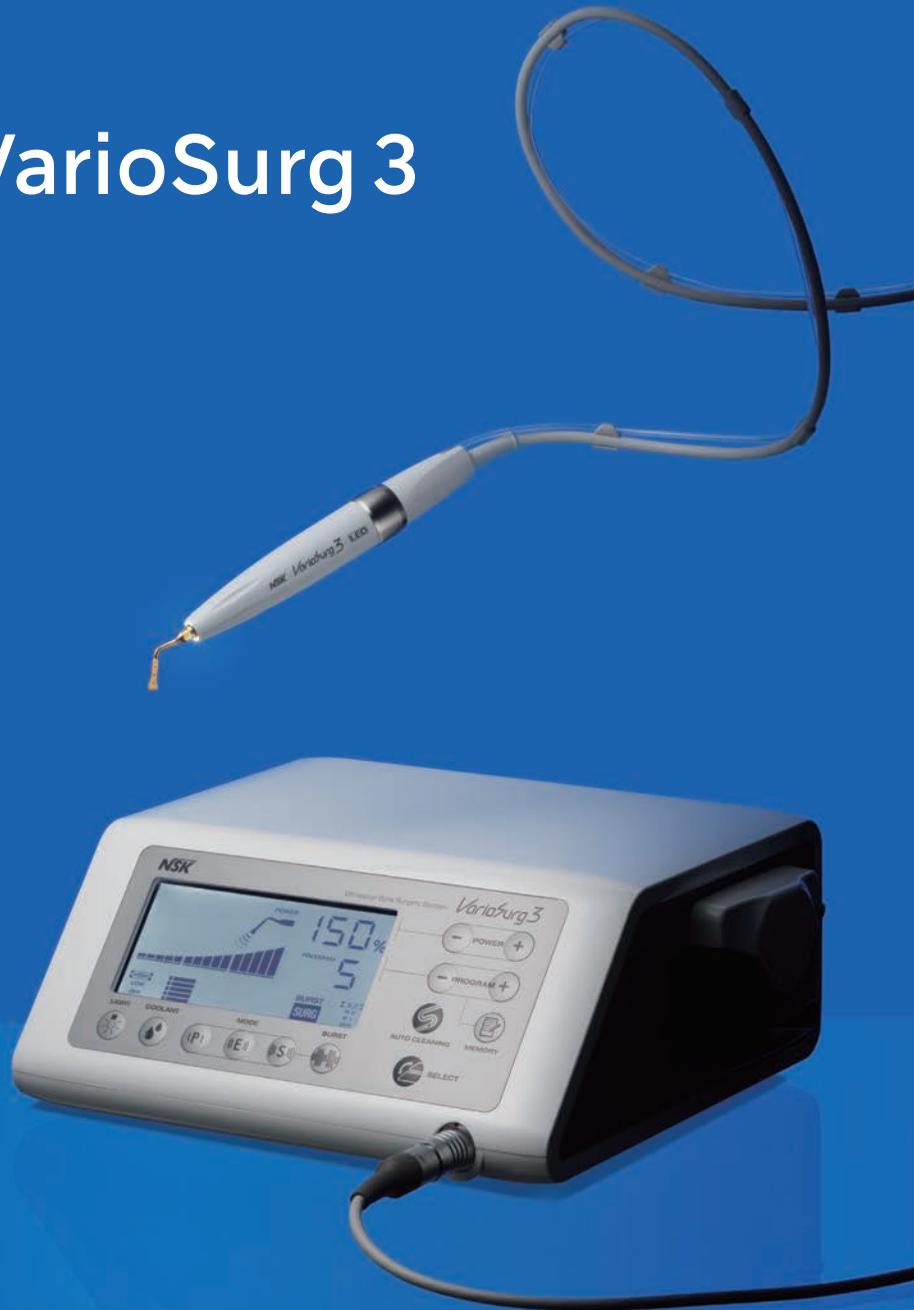
- iSD900 Motor • iSD-HP
- Quick Charger for iSD900
- Torque Calibrator
- On/Off Switch Lever

Specifications

- Torque: 10 – 40 Ncm in 1 or 5 Ncm increments
- Speed: 15, 20, 25 min⁻¹
- Weight: 148 g (iSD900 Motor + iSD-HP)
- Charging Time : Around 90 min*
- Continuous Operation Time : Max 72 min*

*these may change according to the usage environment.

VarioSurg 3



Trinity

Out Standing Ultrasonic Performance

Wattage is not the only factor determining cutting efficiency and performance in ultrasonic surgery. What is important is the power factor between three elements: control unit frequency, handpiece vibration characteristics and tip design for handling high power and cutting efficiency. The VarioSurg 3 effortlessly balances these three elements for the ultimate in ultrasonic performance.

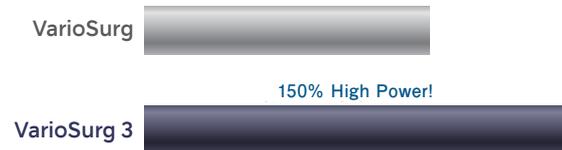


Stabilizing the Power Balance for More Efficient Procedures

The VarioSurg 3 offers a 50% increase in power in SURG mode compared to previous models, for more effective procedures and shorter treatment times.

(Select tips according to clinical and power requirements)

*For more than 100% power, you must use the relevant tips.



Stable Cutting Through Feedback and Auto-tuning Functions

Feedback function

This function constantly checks the performance parameters of the ultrasonic unit during operation. It simultaneously controls power output to optimize the level of power depending on the procedure.

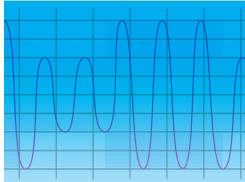
Auto-Tuning function

The oscillating frequency is automatically controlled to ensure the set output values are always accurately delivered at the tip to maintain ideal vibration.

Control Unit

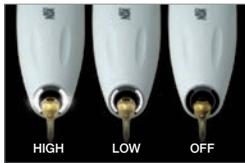
Compact Body and Large LCD Panel

The compact control unit features a sophisticated design including a large, high visibility backlight LCD panel and intuitive control buttons to contribute to a safe and user-friendly working environment.



Advanced BURST Mode

Switching from SURG mode to BURST mode during procedures creates a hammer drill effect capable of cutting through the hardest of tissues. Select from one of three BURST mode levels according to the procedure or density or hardness of the bone.



Illumination Intensity Adjustable LED Light

LED handpiece illumination can be adjusted at the push of a button, with a choice of three intensity levels to suit the procedure.



Three Modes

There is a choice of P (PERIO), E (ENDO) and S (SURG) modes to cover a wide range of applications, from bone cutting to post-surgical maintenance.

Adjustable Irrigation Flow Rate

You can choose from five coolant flow levels with a maximum output of up to 75 mL per minute, to suit operating requirements and tips. Effective irrigation protects bone cells by controlling tip heat.

Memory Functions for Treatment Procedures and Program Setting

Specific treatment parameters can be stored using the unit's memory function, and are easily accessed using the program button.

Handpiece

Super-slim Ergonomic Handpieces

NSK's super-slim LED handpiece offers superior access and outstanding visibility. Excellent balance and ergonomic design facilitate the most accurate procedures and minimise hand and finger fatigue, especially during long procedures.

Effective Power Transmission with Minimal Heat Generation

By using innovative materials, the VarioSurg 3 handpiece delivers appropriate power from the generator to the tip without loss while minimising heat generation.

LED Illumination for More Precise Treatments

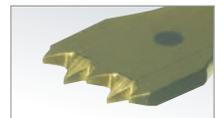
NSK LEDs generate natural daylight-quality light to perfectly illuminate the treatment area, enabling more precise treatments and shortening treatment times. LEDs are safe and do not overheat, even during extended use, and are economical due to their long life. Proprietary twin LED lights eliminate shadows in the treatment area, allowing excellent visibility.



Optic	MODEL	ORDER CODE
●	VS3-LED-HPSC	E1133

• with 2 m cord

The tips are designed to preserve tissue, maintain cutting speed and easily cut into bone. Saw like teeth on an uneven blade edge enhances bone cutting. This also reduces clogging to maintain cutting speed.



VarioSurg 3



VarioSurg 3 Complete Set

Optic	MODEL	ORDER CODE
●	VarioSurg 3	Y1002726

Contents

- Control Unit
- LED Handpiece with 2 m cord
- FC-78 Foot Control
- Sterilization Cassette
- Handpiece Stand
- Irrigation tube (5 pcs.) and other accessories
- Basic H-S Kit (H-SG1, SG3, SG5, SG6D, SG7D, SG11 and Tip holder)

Specifications

Control Unit

- Frequency : 28-32 kHz • Power Supply : AC 230 V 50/60 Hz • Irrigation Flow Rate : 10-75 mL/min
- Programs : SURG x 5, ENDO x 2, PERIO x 2 • Dimensions : W 265 x D 220 x H 100 (mm)

VarioSurg 3 Complete Set without Foot Control

Optic	MODEL	ORDER CODE
●	VarioSurg 3 Non FT	Y1002248

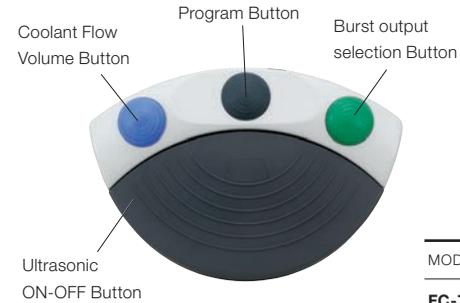
Contents

- Control Unit
- LED Handpiece with 2 m cord
- Sterilization Cassette
- Handpiece Stand
- Irrigation tube (5 pcs.) and other accessories
- Basic H-S Kit (H-SG1, SG3, SG5, SG6D, SG7D, SG11 and Tip holder)

Foot Control

Hands-Free Program Adjustments Via Foot Control

The VarioSurg 3 foot control conforms with the IPX8 standard for medical foot control systems. All functions are clearly marked and allow accurate and hands-free operation of the unit within the pre-set parameters. Using the metal bar the foot control can easily be re-positioned at any time.



MODEL	ORDER CODE
FC-78	Z1102003

- With 2 m cord

Sterilization Cassette

The Sterilization Cassette is designed for the safe processing and storage of VarioSurg 3 components.



MODEL	ORDER CODE
VA-SG-CASE	Z313102

- Dimensions : W 281 x D 171.5 x H 47 (mm)
- Has dedicated compartments for handpiece, cord, tip replacement wrench and tip holders



Carrying Case (Optional)

The Carrying Case neatly stores all VarioSurg 3 components.



MODEL	ORDER CODE
Carrying Case(VarioSurg 3)	Y1002768

- Dimensions : W 534 x D 427 x H 207 (mm)



Ultrasonic Surgery Tips

Choose from over 50 ultrasonic tips according to the clinical procedure.

Bone Surgery



Scraper



Sinus Lift



Sinus Membrane Detachment



Scaling



Maintenance (V-Tip)



Extraction



Socket Lift (Crestal Approach)



Implant Preparation



Perio (Root Planing)



Endodontics



Bone Surgery (TIN coating)



POWER LEVEL	MODEL	ORDER CODE
—	SG1	Z305101
SURG 150%	H-SG1	Z305151

- Dots mark 3, 6 and 9 mm from top of tip
- Five teeth; 0.6 mm thick



POWER LEVEL	MODEL	ORDER CODE
—	SG1A	Z305138
SURG 150%	H-SG1A	Z305188

- Dots mark 3, 6, 9,12 and 15 mm from top of tip
- Five teeth; 0.6 mm thick



POWER LEVEL	MODEL	ORDER CODE
—	SG2R	Z305102

- Right curved tip*
- Three teeth; 0.6 mm thick



POWER LEVEL	MODEL	ORDER CODE
—	SG2L	Z305103

- Left curved tip*
- Three teeth; 0.6 mm thick



POWER LEVEL	MODEL	ORDER CODE
—	SG8	Z305109
SURG 150%	H-SG8	Z305155

- Dots mark 3, 6 and 9 mm from top of tip
- Three teeth; 0.6 mm thick



POWER LEVEL	MODEL	ORDER CODE
—	SG8A	Z305139
SURG 150%	H-SG8A	Z305189

- Dots mark 3, 6, 9,12 and 15 mm from top of tip
- Three teeth; 0.6 mm thick



POWER LEVEL	MODEL	ORDER CODE
SURG 150%	H-SG8R	Z305156

- Marking every 2 and 4 mm from top of tip (Single side)
- Right curved tip* • Three teeth; 0.6 mm thick



POWER LEVEL	MODEL	ORDER CODE
SURG 150%	H-SG8L	Z305157

- Marking every 2 and 4 mm from top of tip (Single side)
- Left curved tip* • Three teeth; 0.6 mm thick

* The direction of the tip's curve is defined by the tip's anterior view.



Bone Surgery (TIN coating)



MODEL	ORDER CODE
-------	------------

SG14R	Z305122
--------------	----------------

- Right curved tip*
- Five teeth; 0.6 mm thick



MODEL	ORDER CODE
-------	------------

SG14L	Z305123
--------------	----------------

- Left curved tip*
- Five teeth; 0.6 mm thick



MODEL	ORDER CODE
-------	------------

SG19	Z305135
-------------	----------------

- Dot mark 3 mm from top of tip
- Five teeth; 0.8 mm thick



MODEL	ORDER CODE
-------	------------

SG30	Z305137
-------------	----------------

- Sharp edge
- 0.5 mm thick



MODEL	ORDER CODE
-------	------------

SG58	Z305141
-------------	----------------

- Dots mark 3, 6 and 9 mm from top of tip
- Three teeth; 0.6 mm thick



MODEL	ORDER CODE
-------	------------

SG68	Z305143
-------------	----------------

- Marking every 2 and 4 mm from top of tip (Single side)
- Three teeth; 0.6 mm thick

Scraper (TIN coating)



MODEL	ORDER CODE
-------	------------

SG3	Z305104
------------	----------------

- Triple sided edge spatula tip



MODEL	ORDER CODE
-------	------------

SG4	Z305105
------------	----------------

- Edge spatula tip



MODEL	ORDER CODE
-------	------------

SG5	Z305106
------------	----------------

- Rounded edge spatula tip

Extraction (TIN coating)



MODEL	ORDER CODE
-------	------------

SG17	Z305132
-------------	----------------

- 0.7 mm thick



MODEL	ORDER CODE
-------	------------

SG18R	Z305133
--------------	----------------

- Right angled tip* • 0.7 mm thick



MODEL	ORDER CODE
-------	------------

SG18L	Z305134
--------------	----------------

- Left angled tip* • 0.7 mm thick

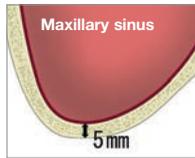
Specialty Tips Exclusively for Sockets

Used as part of the socket lift method to swiftly perform sinus lift procedures, NSK's new tip lineup is designed for minimal surgical invasiveness.

Process example for elevation of maxillary sinus membrane

A type of implant preparation site for a regular size implant $\phi 4.0$ mm.

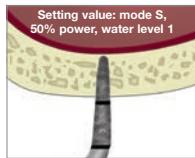
At the case of using VarioSurg



*A case of around 5 mm from the base of cortical bone to maxillary sinus.
 *Bone tissue is type 3 and good condition.
 *In addition to positive diagnosis by CT image, the vertical bone width should be diagnosed well and the implant preparation site could be formed until the base of maxillary antrum.



1. Bone cutting to within 1 mm to the base of maxillary antrum by using SG15A tip. Please be careful not to push the tip too much.



2. Repeat bone cutting using SG15B tip to increase width. Please be careful not to push the tip too much.



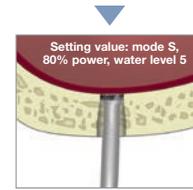
3. Bone cutting by using SG16A tip. The implant preparation site is formed until little of the base of cortical bone remains.



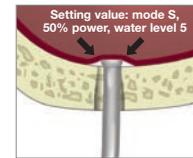
4. Repeat bone cutting by using SG16B tip. The implant preparation site is formed until little of the base of cortical bone remains.



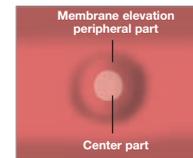
5. Using sufficient water irrigation, the implant preparation site is formed by using SCL2D tip. The water level is set to 5. Please be careful not to force the tip into the implant preparation site. Too much water pressure may exert on the maxillary antrum membrane. At the case of using drilling, this step is excluded.



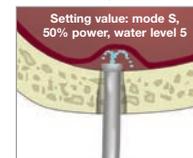
6. Using sufficient water irrigation, the implant preparation site is continued to be formed by using SCL1D tip. The water level is set to 5. The cavity floor of the implant preparation site is cut by using the edge of the top of the tip. Please be careful not to force the tip into the implant preparation site. Too much water pressure may exert on the maxillary antrum membrane.



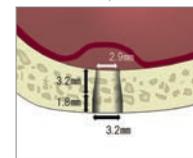
7. The maxillary antrum membrane is exfoliated by using SCL1 tip. The water level is set to 5. Slowly insert the top of the tip between the membrane and bone. Moving the tip along the wall of the implant preparation site will exfoliate the membrane. Please be careful, since the membrane can be torn at the edge (arrow part) between the bone and the membrane.



This image shows the elevated membrane which you will see from the maxillary antrum side. Please check the condition of maxillary antrum membrane using the endoscope.



8. The Maxillary antrum membrane can now be elevated by using SCL1 tip.



9. The completed formation of the implant preparation site. At the case of using drilling, the straight implant preparation site of 3.2 mm is formed.

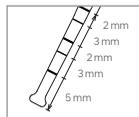
Socket Lift (Crestal Approach)



MODEL	ORDER CODE
SCL1	Z305170
• Internal irrigation	
MODEL	ORDER CODE
SCL1D	Z305171
• Internal irrigation • Diamond coating	

Socket Lift (Crestal Approach)

MODEL	ORDER CODE
 SCL2D	Z305182
<ul style="list-style-type: none"> • Internal irrigation • Diamond coating 	
MODEL	ORDER CODE
 SCL3	Z305172
<ul style="list-style-type: none"> • Internal irrigation 	
MODEL	ORDER CODE
 SCL3D	Z305173
<ul style="list-style-type: none"> • Internal irrigation • Diamond coating 	
MODEL	ORDER CODE
 SCL4	Z305184
<ul style="list-style-type: none"> • Internal irrigation • Diamond coating 	
MODEL	ORDER CODE
 SCL5	Z305174
<ul style="list-style-type: none"> • Internal irrigation 	
MODEL	ORDER CODE
 SCL5D	Z305175
<ul style="list-style-type: none"> • Internal irrigation • Diamond coating 	



The estimated depth of the implant preparation site can be measured with the scale on the Tip.

Sinus Lift

MODEL	ORDER CODE
 SG6D	Z305107
MODEL	ORDER CODE
 SG7D	Z305108

Sinus Membrane Detachment

MODEL	ORDER CODE
 SG9	Z305110
<ul style="list-style-type: none"> • Flat circular convex elevator • Angled at 90° 	
MODEL	ORDER CODE
 SG10	Z305111
<ul style="list-style-type: none"> • Flat circular convex elevator • Angled at 135° 	
MODEL	ORDER CODE
 SG11	Z305112
<ul style="list-style-type: none"> • Cone compressor 	

Implant Preparation



MODEL	ORDER CODE
SG15A	Z305124
• Diameter of the tip end; 0.7 mm	



MODEL	ORDER CODE
SG15B	Z305125
• Diameter of the tip end; 1.3 mm	



MODEL	ORDER CODE
SG15C	Z305126
• Diameter of the tip end; 0.9 mm	



MODEL	ORDER CODE
SG15D	Z305127
• Diameter of the tip end; 1.3 mm	



MODEL	ORDER CODE
SG16A	Z305128
• Diameter; 2.0 mm	



MODEL	ORDER CODE
SG16B	Z305129
• Diameter; 2.6 mm	

Scaling



MODEL	ORDER CODE
G1-S	Z305113

Perio (Root Planing)



MODEL	ORDER CODE
P20-S	Z305114
• Straight tip	



MODEL	ORDER CODE
P25R-S	Z305115
• Right curved tip*	



MODEL	ORDER CODE
P25L-S	Z305116
• Left curved tip*	

* The direction of the tip's curve is defined by the tip's anterior view.

Maintenance (V-Tip)

Perio-Control



V-Tip Holder



MODEL	ORDER CODE
V10-S	Z305117

- Includes E-Tip replacement wrench
- Plastic Tip is not included



MODEL	ORDER CODE
V-P10	Y900184

- Pack of 3
- V10-S holder is not included



MODEL	ORDER CODE
V-P12	Y1002167

- Pack of 3
- V10-S holder is not included



MODEL	ORDER CODE
V-P11R	Y1002165

- Right curved type* • Pack of 3
- V10-S holder is not included



MODEL	ORDER CODE
V-P11L	Y1002166

- Left curved type* • Pack of 3
- V10-S holder is not included

■ V-P11R, V-P11L, V-P12 can be used only for VarioSurg 3.

Endodontics



MODEL	ORDER CODE
E30RD-S	Z305118

- For posterior teeth (right angled)



MODEL	ORDER CODE
E30LD-S	Z305119

- For posterior teeth (left angled)



MODEL	ORDER CODE
E31D-S	Z305120

- For anterior and posterior teeth (70°)



MODEL	ORDER CODE
E32D-S	Z305121

- For anterior teeth (90°)



Washable in the thermoisinfectant



Autoclavable up to 135°C

* The direction of the tip's curve is defined by the tip's anterior view.



Washable in the thermoisinfectant



Autoclavable up to 135°C

Tip Kits



- Bone Surgery •Scraper •Sinus Lift
- Sinus Membrane Detachment

MODEL	ORDER CODE
Basic H-S Kit	Y1002775

Contents

- H-SG1, SG3, SG5, SG6D, SG7D, SG11
- Tip holder



- Bone Surgery

MODEL	ORDER CODE
Bone Cut Kit	Y900688

Contents

- SG1, SG2R, SG4, SG2L, SG6D
- Tip holder



- Sinus Lift

MODEL	ORDER CODE
Sinus Lift Kit	Y900689

Contents

- SG1, SG3, SG6D, SG9, SG10, SG11
- Tip holder



- Endodontics

MODEL	ORDER CODE
Endo-S Kit	Y900691

Contents

- G1-S, E30RD-S, E30LD-S, E31D-S, E32D-S
- Tip holder

Tip Kits



- Implant Preparation

MODEL	ORDER CODE
Implant Preparation Kit	Y900774

Contents

- SG15A, SG15B, SG16A, SG16B
- Tip holder



- Socket Lift Tips (Crestal Approach)

MODEL	ORDER CODE
Socket Lift Kit for Regular Size Implant	Y1002841

Contents

- SCL1D, SCL2D, SCL1
- VS Tip Wrench • Tip holder • Manual



- Socket Lift Tips (Crestal Approach)

MODEL	ORDER CODE
Socket Lift Kit for Wide Size Implant	Y1002842

Contents

- SCL2D, SCL3D, SCL4D, SCL3
- VS Tip Wrench • Tip holder • Manual

NSK

2.10 Bar

iClave plus

Vacuum Sterilize Dry Ready

Class B 134°C 5 min

1. UNIVERSAL

- 1. UNIVERSAL
- 2. DELICATE
- 3. FLASH
- 4. SMALL LOAD
- 5. PRION
- 6. CRITICAL 134°C
- 7. CRITICAL 121°C

AUTOCLAVE

iClave plus



More Safety, More Capacity

Optimizing Handpiece Performance with The Long-Awaited Debut of NSK's Autoclave Series

Even the best handpiece means nothing if you cannot use and decontaminate it safely. NSK leveraged the advanced know-how it has gained as a trusted global handpiece manufacturer to realize the potential of a handpiece friendly autoclave through the launch of the long awaited iClave series.

Deploying a Copper Chamber to Match The Advanced Class B Cycle Sterilization Capacity and Efficiency Standards

Air turbines, contra-angles, and other dynamic dental instruments consist of high-precision micro mechanisms and therefore benefit from careful sterilization to maintain performance. NSK chose to use a highly conductive copper chamber to satisfy Class B, Europe's strictest sterilization standard. The system delivers outstanding efficiency despite its large capacity.

50% More Capacity Than Conventional Autoclaves

The iClave plus can fully use its 17.5 Liter capacity because it maintains even temperatures throughout the autoclave chamber and constantly controls the surface temperature. The iClave plus offers 50% more sterilization space than a conventional stainless steel chamber of the same size, ensuring greater safety by reducing instrument overcrowding.



Copper chamber



Stainless steel chamber

NSK Autoclave Benefits Include Combining High Heat Conductivity of Copper Chamber with Proprietary Heating System



Super fast



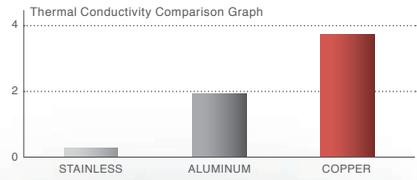
Super fast

COPPER CHAMBER

Highly Thermal Conductive Copper Chamber with Even Temperatures

Using copper to construct the chamber gives 17.7 times more heat conductivity than stainless steel. The copper chamber retains even internal temperature levels throughout despite its large capacity.

Thermal Conductivity Differences of Materials

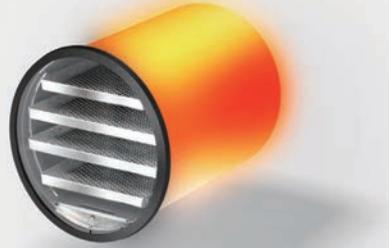


Copper's heat conductivity is 1.9 times and 17.7 times higher than that of aluminium and stainless steel, respectively.

ADAPTIVE HEAT SYSTEM

Advanced Heating System Leveraging Excellent Thermal Conductivity

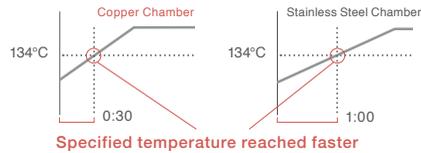
NSK's innovative heating system optimizes the high heat conductivity of copper. Enveloping the copper chamber is a special heater which is also used in satellites, incorporating electro-thermal material embedded in silicone to heat the entire chamber evenly without heat loss.



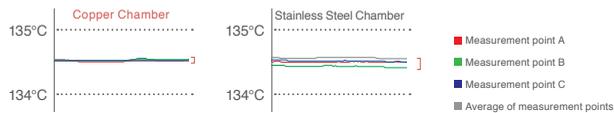
TEMPERATURE CHARACTERISTICS

In temperature measurements at three points inside the chamber, the copper model reached 134°C, the standard sterilization temperature, in about half the time of a stainless steel counterpart. There were no temperature variations at the three points measured in the copper chamber.

Comparing Temperature Gains of Copper and Stainless Steel Chambers



Comparing Temperature Differences of Copper and Stainless Steel Chambers



User-friendly, Easy to Read Operating Panel

With a sophisticated design and excellent visibility, the panel is easy to operate and maintain, with colors changing according to conditions, enhancing sterilization reliability.



Selection screen



During operation



Sterilization complete



Error

Sterilization Cycle Data Recording

All sterilization cycles are recorded on a USB flash drive, and no special software is required to view and print records of all cycles. The system records all relevant cycle parameters against a unique date and time stamp.



Bacterial Filter for Greater Safety

The iClave plus ventilates air through a bacterial filter during the drying phase, eliminating the possibility of re-contamination.



Designed to Boost Product Reliability

Consistent temperatures inside the chamber eliminate fluctuation stresses and reduce the risk of problems. NSK initially reviewed product reliability to ensure safe treatment. There are three thermometers to control temperatures in the iClave plus. An annual maintenance service alert helps prevent breakdowns and boosts product reliability.

Stainless Steel Body Enhances Durability

The stainless steel body work, which is rare for an autoclave these days, makes iClave plus more robust. Together with the copper chamber it delivers outstanding durability.

Constantly Monitoring Working Parameters for Safe Operation

The process evaluation system constantly monitors pressure, temperature, water quality and steam. Additional features include cycle counter, altitude set-up, maintenance monitoring, triple safety lock, auto switch-off, and double water tank.

iClave plus



iClave plus Complete Set

MODEL	ORDER CODE
iClave plus 230V	Y1003077

EN13060 Class B

Technical characteristics

• External dimensions	: W 445 x D 584 x H 438 (mm)
• Chamber dimensions	: ø240 x 384 (mm)
• Chamber capacity	: 17.5 Liter
• Net weight	: 45 kg
• Maximum power consumption	: 1,920 W
• Supply Voltage CE	: AC 230 V - 50/60 Hz
• Air expulsion system	: Vacuum pump 1, 3, 4 vacuum
• Max Load	: 4 kg (solid), 1.5 kg (porous)

External dimensions exclude protrusions.

PROGRAMS	PARAMETERS			CLASS
1 UNIVERSAL	134°C	5 min	3 vacuum	B
2 DELICATE	121°C	20 min	3 vacuum	B
3 FLASH	134°C	3 min	2 vacuum	S
4 SMALL LOAD ¹	134°C	4 min	3 vacuum	B
5 PRION	134°C	18 min	3 vacuum	B
6 CRITICAL 134°C	134°C	5 min	4 vacuum	B
7 CRITICAL 121°C	121°C	20 min	4 vacuum	B
8 SPECIAL	105-135°C	3-90 min	2-4 vacuum	-

• Bowie & Dick : 134°C / 3.5 min / 3 vacuum • Vacuum test : 20 min
¹ small load : included hollow instruments type A and B (MAX 0.5 kg)

OPTIONAL ACCESSORIES

Sealer Newseal Plus



With high output, easily and automatically seals envelopes before sterilization.

MODEL	ORDER CODE
Sealer Newseal Plus	Z1279001

- Self adjusting sealing from 10 mm
- Retracting blade cutter • Reel holder
- Visual and acoustic seal indication
- Pre-set for wall attachment

Regenerating Tabs



A special effervescent tablet for cleaning the chamber. Placed inside the chamber, it removes limescale and dirt residue from the boiler upon activating the cycle.

MODEL	ORDER CODE
Regenerating Tabs	0230050

Barcode Label Writer



Increases traceability levels by combining sterile instruments and patients.

MODEL	ORDER CODE
Barcode Label Writer	Z1281001

Kit Wifi



Device for storing the sterilization cycles' data on an external memory and send to any PC, tablet or smartphone via WIFI connection.

MODEL	ORDER CODE
Kit Wifi	599011

Helix Test



Helix Test allows you to verify steam penetration into hollow instruments. Includes a tester and 250 indicators.

MODEL	ORDER CODE
Helix Test	990005

Purity



High quality water is essential to improve sterilization quality. We offer an optional automatic water supply device with a desalination feature.

MODEL	ORDER CODE
Purity	Z1284001



MAINTENANCE

iCare+

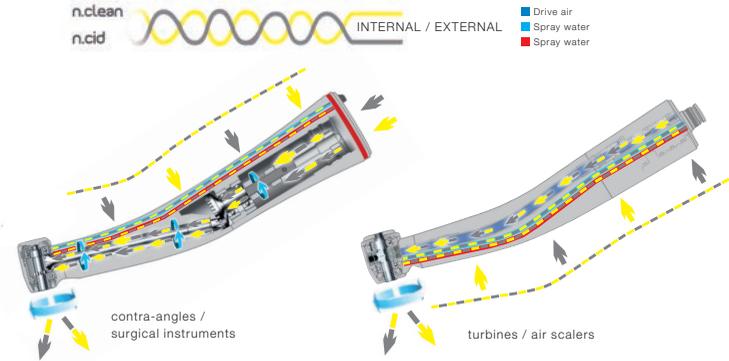


Automatic System for Cleaning, Disinfecting and Lubricating Rotary Instruments

Manual cleaning of instruments does not remove all deposits and residues. Dynamic instruments that are poorly maintained or not adequately cleaned may become damaged and pass on infections to both patients and practitioners. Any instrument used in dentistry must be perfectly cleaned, disinfected and maintained. NSK is aware of the requirements in the daily practice of dentistry and, after many years of research, It has come up with a simple and effective solution thanks to iCare+.

Intelligence at The Service of Your Instruments

iCare+ is smart and detects the type of instrument attached to the ports (internal/external spray or without spray) when canals are blocked or the wrong cycle has been selected for a specific instrument to ensure cycle efficiency. During the different cycles, iCare+ starts the rotation of instruments and injection of treatment products into all the internal mechanisms and tubing of the instruments to provide deep cleaning and disinfection; a pressure spray simultaneously cleans and disinfects the external surfaces. Each cycle lasts for a specific duration in compliance with EN ISO 15883/15883-5 to guarantee maximum effectiveness of the n.clean and n.cid solution for the perfect treatment of every instrument.



Security

Tests performed by the Dr Brill Institute conducted on extremely dirty instruments (containing sheep's blood with heparine, protamine, bacteria and yeast) prove that iCare+ treatment cycles together with n.clean cleaning and n.cid disinfection guarantee proven effectiveness of the results. The validated tests realized in germany by this accredit laboratory were done according to RKI recommendations (Robert Koch Institute) and EN ISO 15883.

99.999% of Bacteria is Eliminated

iCare+ makes it possible to reduce proteins to less than 100 mg per instrument after treatment. Thus, the reduction in the level of microbial contamination (> 5-log step) of the instruments treated is equivalent to eliminating over 99.999% of the bacteria.

Guaranteed Consistent Repetition of Cycles

iCare+'s internal control system has sensors, which ensure consistency of every cycle in accordance with the parameters which were determined during the laboratory tests. iCare+'s Medicals device witch are a protocol, an analyse method and a result of certification.

Cleaning and Disinfection

Two Products Inextricably Linked to iCare+

iCare+ working hand in hand with n.clean and n.cid products. n.clean and n.cid have been specifically developed for rotary instruments in compliance with laboratory protocols as well European and International standards.

Validated Association of Certified Products

Extensive laboratory tests have been conducted on NSK turbines, handpieces and contra-angles, as well as on instruments from other brands: the results are identical for all tested instruments and always in compliance with EN ISO 15883. It is therefore crucial that iCare be used together with n.clean for cleaning and n.cid for disinfection of rotary instruments to guarantee optimal results validated by laboratories.

Targeted Action

n.clean, a cleaning and rinsing solution, acts as a detergent and has bacteriostatic and fungistatic effects. It prevents proteins from attaching to internal and external surfaces of instruments. Disinfection prior to sterilization is carried out by n.cid, a bactericidal, fungicidal and virucidal* disinfectant solution effective against wrapped viruses, as well as unwrapped Adenoviruses.

*Bactericidal: TBC, MRSA. - Fungicidal: Candida albicans - Virucidal: HBV, HCV, HIV, Herpes simplex, Influenza, H1N1 + H5N1.



Complete Traceability

Internal Traceability Software

In addition to the permanent internal validation process software is available to log all cycle data on an external device. iCare+ generates a serial number for every cycles. Once the data has been transferred to a computer you can add serial numbers of individual instruments to specific cycle records in order to establish total traceability.

Data Storage

To allow traceability and external storage of the iCare+ cycle data an easily accessible USB port is built into iCare+ unit*.

User-friendly Interface

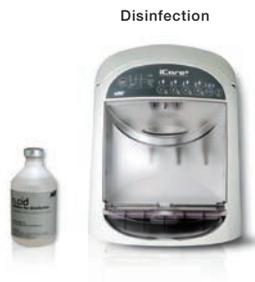
The user friendly software interface allows easy and efficient management of all cycle data with the option of adding specific records for individual instruments at the push of a button.



Easy to Use

The clearly and intuitively arranged control panel together with the LED indicators and the internally lit treatment chamber makes it really easy to operate iCare+ the treatment chamber:

- Yellow for cleaning
- White for disinfection
- Blue for lubrication
- When the green LED lights up at the end of has been completed correctly and rest assured and maintained to the highest standards



iCare+ Complete Sets

Dual Standard Ports + Dual Rotation Ports

MODEL	ORDER CODE
iCare+ C2	S102001

Single Standard Port + Triple Rotation Ports

MODEL	ORDER CODE
iCare+ C3	S103001

Contents

- iCare+ unit
- Power cord with L-shaped plug
- Air tube
- Notice on DVD

Specifications

- Power Supply: AC 100-230 V 50/60 Hz
- Capacity: up to 4 instruments
- Air Pressure: 0.5-0.6 MPa (5.0-6.0 kgf/cm²)
- Weight : 14 kg
- Dimension : W 400 x D 405 x H 355 (mm)
- Capacity of the oil tank: 500 mL
- Capacity of the bottles for the cleaning and disinfection product: 500 mL



*Connects only to Midwest 4-hole type
*Air piping is necessary (5.0-6.0 kgf/cm²)

iCare+ Adaptors

MODEL		ORDER CODE
iCare+ Adaptor PTL	• For NSK High Speed Handpieces for PTL-CL-LED Coupling	Z1127010
iCare+ Adaptor KV	• For KaVo® High Speed Handpieces for MULTIflex® LUX Coupling	Z1127011
iCare+ Adaptor SR	• For Sirona® High Speed Handpieces for Quick Coupling	Z1127013
iCare+ Adaptor WH	• For W&H® High Speed Handpieces for Roto Quick Coupling	Z1127012
iCare+ Adaptor BA	• For Bien-Air® High Speed Handpieces for Unifix® Coupling	Z1127014

Check with the dealer for the adaptors to mount other manufactures' handpieces.

Pressure regulator

MODEL	ORDER CODE
Pressure regulator for iCare+	S103500

Refill Maintenance Oil

MODEL	PRODUCTS	ORDER CODE
n.Clean, 500 mL PEHD bottle (6 pcs)		ACL600
n.Cid, 500 mL PEHD bottle (6 pcs)		ACD600

MODEL	PRODUCTS	ORDER CODE
Maintenance Oil, 1 L PEHD bottle		Z016117

iCare



Automatically Clean

iCare sets a new standard for handpiece maintenance systems. In one stylish and compact body, it offers you both ease of use and multiple functions to achieve complete lubrication. The proper solution volume is preset based on handpiece type, and maintenance can be initiated at the touch of a button. The chuck cleaning system keeps chucks pristine, and the purging select mode lets you alter purge time depending on the situation for truly comprehensive maintenance. Thanks to its stylish and compact body, iCare is also space efficient and totally in harmony with your working environment.

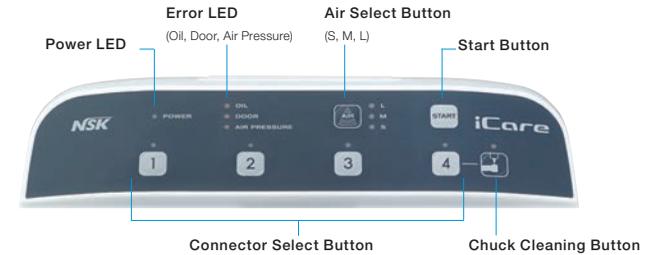
Preset Proper Solution Volume Based on Handpiece Type

The proper solution volume is preset based on high speed and low speed handpieces, ensuring precise and thorough lubrication at the touch of a button.



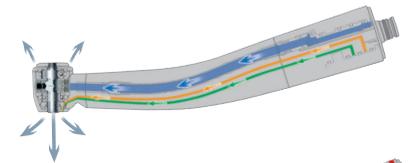
Ergonomic and Easily Readable Large Panel

Simple One-Touch Operation to Start Lubrication.



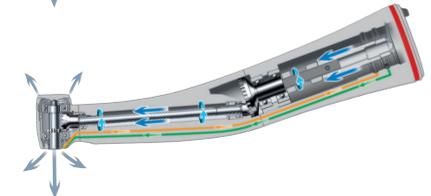
High Speed Handpieces

iCare meticulously cleans the components of high speed handpieces.



Low Speed Handpieces

Low speed handpieces incorporate gearing systems that require extra solution penetration. The NSK rotation system guarantees optimum oil delivery to the internal components of all low-speed handpieces.



Purging Select Mode

After lubrication, you can select from appropriate modes offering different purge lengths.



Hp Head Filter Prevents Mist Leaks (Optional)

HP Head Filter is made to absorb any spray mist generated, which prevents mist leaks.



Solution Tank

iCare's big solution tank has a capacity of 1.2 Liters, allowing you to pour in a full one-liter bottle of maintenance solution at once, reducing the necessity for frequent refilling. The enclosed nozzle enables clean and easy refills.

Chuck Cleaning Function

The chuck cleaning function completely removes dirt and cutting powder from the chuck.



Easy to Clean

iCare's front door can be completely removed to allow fast, easy cleaning of the system.



Accommodates Both NSK Handpieces and Those of Other Brands

NSK and all other brands of low speed handpieces connect directly to the coupling supplied. NSK high speed handpieces require the PTL adaptor. Adaptors are available for direct connection of most other brands of high speed handpieces.

Safe Operation with a Range of Alarm Functions

The alarm LED ensures safe and secure maintenance by alerting you to various situations, including inadequate solution quantity and an un locked front door.

Stylish and Compact

In the pursuing ultimate ease of use, NSK has given iCare the power to perform automatic maintenance for up to four handpieces at once. iCare is also designed to be simple to set up and space efficient, you can install it virtually anywhere.



iCare Complete Sets



Dual Standard Connectors + Dual Rotation Connectors

MODEL	ORDER CODE
iCare C2 Type	Y1002787



Single Standard Connector + Triple Rotation Connectors

MODEL	ORDER CODE
iCare C3 Type	Y1002788

Contents

- iCare unit • Power cord • Chuck Cleaning Nozzle • Maintenance oil for iCare (1 Liter) • Mist filter set • Oil absorber sheet • Air tube

Specifications

- Power Supply: AC 100-240 V 50/60 Hz • Air Pressure: 0.5-0.6 MPa (5.0-6.0 kgf/cm²) • Weight : 6.5 kg (C2 type / C3 type)
- Dimension : W 280 x D 240 x H 350 (mm) • Solution Tank Capacity : 1.2 L
- Connects only to Midwest 4-hole type • Air piping is necessary (5.0-6.0 kgf/cm²)
- Do not use iCare to lubricate air scalers and Phatelus air motors. The iCare lubricating system is not designed to lubricate those particular products. Maintain air scalers and Phatelus air motors as described in the operation manual for each product.
- If blood infiltrates inside a handpiece, iCare may not totally clean the internal handpiece components, and internal blood coagulation may cause product failure. In this case, NSK recommends to immediately lubricate those handpieces with PANA SPRAY Plus.

iCare Adaptors

MODEL		ORDER CODE
PTL Adaptor	• For NSK High Speed Handpieces for PTL-CL-LED Coupling	Z257010
B2/M4 Adaptor	• For Borden 2 hole High Speed Handpieces	T904
KV Adaptor	• For KaVo® High Speed Handpieces for MULTIflex® LUX Coupling	Z257020
SR Adaptor	• For Sirona® High Speed Handpieces for Quick Coupling	Z257023
WH Adaptor	• For W&H® High Speed Handpieces for Roto Quick Coupling	Z257021
BA Adaptor	• For Bien-Air® High Speed Handpieces for Unifix® Coupling	Z280022
F-Type Adaptor	• For ENDO-MATE TC2, DT Heads	Z280042

Check with the dealer for the adaptors to mount other manufactures' handpieces.

Refill Maintenance Oil

MODEL	PRODUCTS	ORDER CODE
Maintenance Oil for iCare (1 Bottle, 1 Liter)		Z016130
Maintenance Oil for iCare (Pack of 6 Bottles)		Y1002783

MODEL	PRODUCTS	ORDER CODE
Mist Filter Set	 • Pack of 12	Y900159
Oil Absorber Sheet	 • Pack of 10	U433135

Multi Stands



NSK Multi Stand is the convenient way to organize and store NSK high and low speed handpieces and heads. Autoclavable at 135°C.



MODEL	ORDER CODE
Multi Stand Complete	Z036

• For NSK high speed and low speed attachments

MODEL	ORDER CODE
Multi Stand for Phatelus	Z036002

• 3 x Adaptor A • 2 x Adaptor C

Multi Stand Handpiece Adaptors



MODEL		ORDER CODE
Adaptor A	 • For High speed handpieces and Phatelus air motors	Z036201
Adaptor B	 • For E-Type *Low speed handpieces and Phatelus air motor heads	Z036202
Adaptor C	 • For Phatelus and Mach couplings	Z036203
Adaptor KV	 • For KaVo® MULTIflex® LUX	Z036204
Adaptor SR	 • For Sirona® Quick Coupling	Z036205
Adaptor WH	 • For W&H® Roto Quick	Z036207
Adaptor BA	 • For Bien-Air® Unifix®	Z036206
Adaptor F	 • For Endo-Mate TC2 / DT & iSD900 heads	Z036209

*E-Type: Conformable to ISO 3964.

PANA SPRAY Plus

PANA SPRAY Plus is a specially formulated, highly effective general handpiece and air motor lubricant. Frequent application of PANA SPRAY Plus will assure handpiece and air motor performance and durability. Apply PANA SPRAY Plus every time before autoclaving any handpiece or air motor.



MODEL	ORDER CODE
Pana Spray Plus	Z182100

- For High & Low speed handpieces, and air motors
- 500 mL • Alcohol-contained lubricant

MODEL	ORDER CODE
Pana Spray Plus Package	Y900630

- PANA SPRAY Plus pack of 6

MODEL	ORDER CODE
Tip Nozzle	Z020201

Spray Mist Absorber

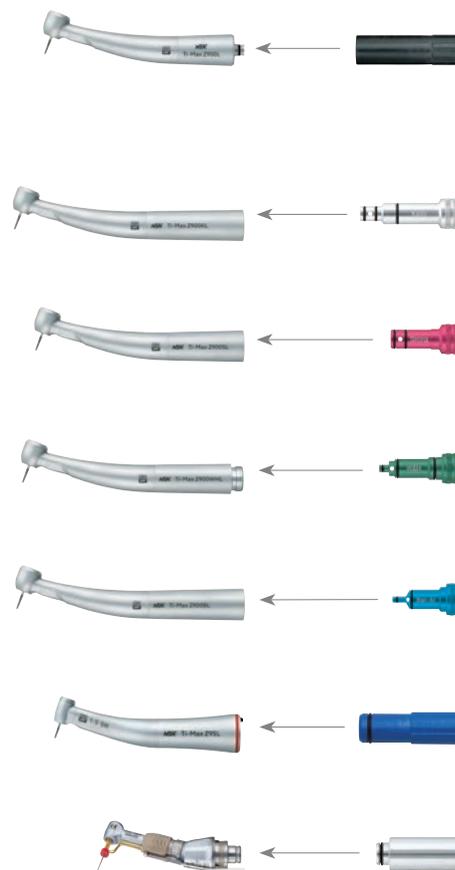
A convenient way to contain mist spray from escaping into the environment. Simply insert the handpiece into the Absorber Pack then apply the spray lubricant.



MODEL	ORDER CODE
Spray Mist Absorber	Y900084

- Pack of 10

PANA SPRAY Plus Nozzles



*E-Type: Conformable to ISO 3964.

Multi Gauge

Measures handpiece tubing pressure. This includes drive air and water pressures.

Where applicable it also measures exhaust air and coolant air. Midwest 4 hole and Borden 2/3 hole fittings are available.



MODEL	ORDER CODE
-------	------------

Phatelus Spray nozzle P183090

- For High speed attachments and air motors which attach to Phatelus and Mach Couplings

MODEL	ORDER CODE
-------	------------

KV Nozzle Z090051

- For KaVo® MULTIflex® LUX

MODEL	ORDER CODE
-------	------------

SR Nozzle Z090052

- For Sirona® Quick Coupling

MODEL	ORDER CODE
-------	------------

WH Nozzle Z090054

- For W&H® Roto Quick

MODEL	ORDER CODE
-------	------------

BA Nozzle Z090053

- For Bien-Air® Unifix®

MODEL	ORDER CODE
-------	------------

E-Type Spray Nozzle Z019090

- For E-Type *attachments

MODEL	ORDER CODE
-------	------------

F-Type Spray Nozzle Z256090

- For Endo-Mate TC2 / DT & iSD900 heads

MODEL	ORDER CODE
-------	------------

MG-4H Z109400

- For Midwest 4 hole & LUX Coupling

MODEL	ORDER CODE
-------	------------

MG-2/3H Z109200

- For Borden 2/3 hole

Handpieces Air Pressures

MODEL		Air Pressures MPa (kgf/cm ²)
Air Turbine	 Ti-Max Z	0.25-0.30 MPa (2.5-3.0 kgf/cm ²)
	 S-Max M	PTL: 0.20-0.25 MPa (2.0-2.5 kgf/cm ²)
	 S-Max pico	K, KL, SL, W, WL, WLED, BL, BLED: 0.25-0.30 MPa (2.5-3.0 kgf/cm ²)
	 Ti-Max X450	0.25-0.30 MPa (2.5-3.0 kgf/cm ²)
	 Pana-Max PLUS	0.18-0.22 MPa (1.8-2.2 kgf/cm ²)
	 Pana-Max2	PTL, M4, B2: 0.20-0.25 MPa (2.0-2.5 kgf/cm ²)
	 PRESTO AQUA LUX	KV: 0.25-0.30 MPa (2.5-3.0 kgf/cm ²)
	 PRESTO AQUA II	
	 PRESTO II	0.20-0.25 MPa (2.0-2.5 kgf/cm ²)
	Air Motor	 Ti-Max X205L
 DynaLED M205LG		0.20-0.25 MPa (2.0-2.5kgf/cm ²)
 S-Max M205		
 FX205m		

MODEL		Air Pressures MPa (kgf/cm ²)
Oral Hygiene	 Ti-Max S970	0.30 MPa (3.0 kgf/cm ²)
	 AS2000	0.28 MPa (2.8 kgf/cm ²)
	 Prophy-Mate neo	0.27-0.40 MPa (2.7-4.0 kgf/cm ²)
	 Perio-Mate	0.30-0.40 MPa (3.0-4.0 kgf/cm ²)



DENTAL LABORATORY

ULTIMATE XL series



Great Hands Need Great Tools

The ULTIMATE XL Series offers a choice of four control units, according to space and user requirements. All functions are controlled by NSK's microcomputer which maintains smooth starting and stopping ensuring excellence in overall operability.

Advantages

- Lightweight and compact body
- Long-term durability
- Ergonomic shaped handpiece
- Minimal noise and vibration
- Special dust proof mechanism



ULTIMATE XL Series

Choice of 2 micromotors and 4 control units are available.

— Bench type — ULTIMATE XL	— Tower type — ULTIMATE XL-D	— Knee type — ULTIMATE XL-K	— Floor type — ULTIMATE XL-F
			
UMXL-G	UMXL-D	UMXL-K	UMXL-F

ULTIMATE XL

Bench Top System



Features

- Speed of 1,000-50,000 min⁻¹
- Digital Speed Display
- Maintenance Mode Setting
- Auto Cruise Function
- Error Code Display Function
- Brushless

* Not applicable to connect with an air turbine handpiece

	MODEL	ORDER CODE
Torque	UMXL-GT	Y141471
Compact	UMXL-GC	Y141472

Specifications

- Power Supply: AC 230 V 50/60 Hz
 - Weight: 2.8 kg
 - Dimensions : W 167 x D 247 x H 77 (mm)
- Contents
- Control unit • Micromotor Handpiece
 - Foot Control • Handpiece Stand

ULTIMATE XL-K

Knee Control System



Features

- Speed of 1,000-50,000 min⁻¹
- Digital Speed Display
- Maintenance Mode Setting
- Auto Cruise Function
- Error Code Display Function
- Available to connect with an air turbine adaptor
- Brushless

	MODEL	ORDER CODE
Torque	UMXL-KT	Y141495
Compact	UMXL-KC	Y141496

Specifications

- Power Supply: AC 230 V 50/60 Hz • Weight: 3.2 kg
 - Dimensions : W 90 x D 270 x H 230 (mm)
- Contents
- Control unit • Micromotor Handpiece
 - Handpiece Stand

ULTIMATE XL-D

Bench Top Tower System



Features

- Speed of 1,000-50,000 min⁻¹
- Digital Speed Display
- Maintenance Mode Setting
- Auto Cruise Function
- Error Code Display Function
- Available to connect with an air turbine adaptor
- Brushless

	MODEL	ORDER CODE
Torque	UMXL-DT	Y141504
Compact	UMXL-DC	Y141505

Specifications

- Power Supply: AC 230 V 50/60 Hz • Weight: 3.3 kg
 - Dimensions: W 81 x D 270 x H 230 (mm)
- Contents
- Control unit • Micromotor Handpiece • Foot Control
 - Handpiece Stand

ULTIMATE XL-F

Floor Type Foot Control System



Features

- Speed of 1,000-40,000 min⁻¹
 - Auto Cruise Function
 - Available to connect with an air turbine adaptor
 - Brushless
- * Speed and all other function are controlled via foot control. For safety, maximum speed preset to 40,000 min⁻¹.

	MODEL	ORDER CODE
Torque	UMXL-FT	Y141513
Compact	UMXL-FC	Y141514

Specifications

- Power Supply: AC 230 V 50/60 Hz
 - Weight: 3.8 kg
 - Dimensions: W 230 x D 292 x H 113 (mm)
- Contents
- Control unit • Micromotor Handpiece
 - Handpiece Stand



ULTIMATE XL

Features

- Ripple-free smooth rotation with 180° vector control system
- Powerful and stable torque across the entire speed range
- Easy-to-hold handpiece design ensures precision
- Lightweight compact body reduces hand fatigue and improves balance
- Unique dust-proof mechanism prevents contamination therefore achieving higher durability
- Minimal vibration, and noise from hermetically shielded micromotor unit
- Approximately 30% increased chuck strength enables you to work on a wider variety of materials
- Brushless



Torque Micromotor & Cord

- Speed: 1,000-50,000 min⁻¹
- Max. Torque : 8.7 Ncm

MODEL	ORDER CODE
UMXL-T 2M	Y141441

- Dimensions : L 151 x ø29 (mm)
- Weight : 215 g (Cord not included)
- Cord Length : 2 m



Compact Micromotor & Cord

- Speed: 1,000-50,000 min⁻¹
- Max. Torque : 6.0 Ncm

MODEL	ORDER CODE
UMXL-C 2M	Y141445

- Dimensions : L 144 x ø27 (mm)
- Weight : 181 g (Cord not included)
- Cord Length : 2 m



E-type Micromotor & Cord

- Speed: 1,000-50,000 min⁻¹
- Max. Torque : 6.0 Ncm

MODEL	ORDER CODE
UMXL-EM 2M	E342002

- Dimensions : L 118 x ø27 (mm)
- Weight : 129 g (Cord not included)
- Cord Length : 2 m

Turbine Adaptor TA50

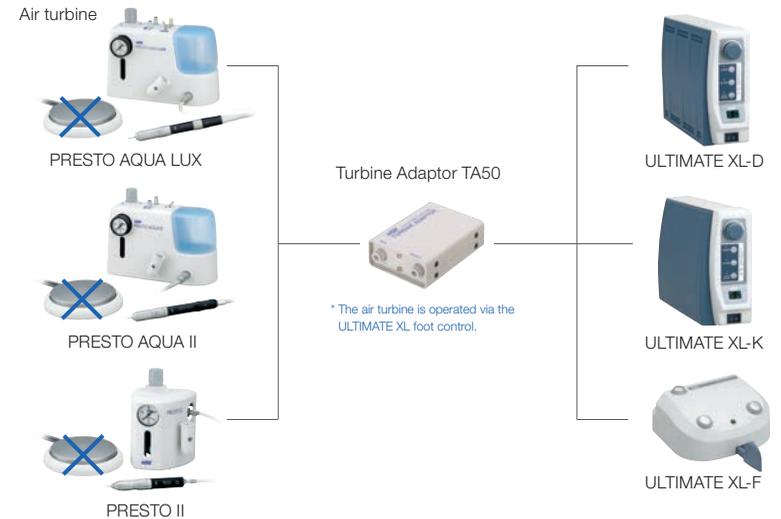
For ULTIMATE XL-D, XL-K and XL-F

TA50 air turbine adaptor allows you to quickly switch power source between air turbine handpiece and electric micromotor. Both handpieces are equally controllable with a single foot control or knee control.



MODEL	ORDER CODE
TA50	U375

- Turbine adaptor • W 75 x D 100 x H 30 (mm)



VOLVERE i7



Features

- Light and compact to fit into the smallest space
- Microcomputer Control
- Ecological Design
- Auto Cruise Function
- Overload alarm system

Standard Micromotor



E-Type Micromotor



High Torque, High Efficiency Coreless Motor

The micromotor in the VOLVERE i7 handpiece has no core and generates less rotary momentum. This contributes to the controllability of the rotation speed and reduces uneven rotation. In addition, this motor has higher power efficiency compared to a conventional motor and can maintain constant speed even at high speeds.



- Special Dust Proof Mechanism
- High Precision
- Light and Compact
- Low Vibration & Low Noise

VOLVERE i7 Complete Sets



	MODEL	ORDER CODE
Standard	VOLVERE i7 RM	Y1002890
E-Type With Handpiece	VOLVERE i7 VR-EB	Y1002891
E-Type Without Handpiece	VOLVERE i7 E	Y1003523

Contents

- Control unit • Micromotor Handpiece • Foot control • Handpiece Stand

Specifications

Control Unit • Power Supply : AC 230 V 50/60 Hz • Dimensions : W 69 x D 185 x H 167 (mm) • Weight : 930 g
Standard Type Motor Handpiece • Speed : 1,000-35,000 min⁻¹ • Max. Torque : 4.1 Ncm • Dimensions : L 145 x ø24.5 (mm) • Weight : 192 g (without cord) • Cord Length : 1.2 m
E-Type Motor Handpiece • Speed : 1,000-35,000 min⁻¹ • Max. Torque : 4.1 Ncm • Dimensions : L 109.3 x ø24.5 (mm) • Weight : 118 g (without cord) • Cord Length : 1.2 m

PRESTO AQUA LUX

LIGHT + WATER

Near-daylight LED technology illuminates with pinpoint accuracy. From mist to drops - complete spray control. Light and water combination means precise control across a broad area.



LED Light Enables You to Work More Efficiently

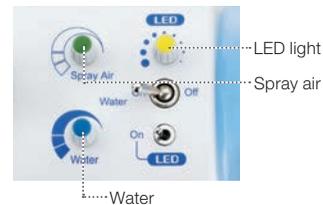
- Accurate lighting at the point of operation does not hide any detail, allowing you to focus on your work more easily.
- LED illuminates fine unevenness and air bubbles of the internal frames which can not be illuminated under the normal bench lighting, thus dramatically improving the quality of internal adjustments.
- Enables precise work and materials assessment under the microscope, which improves efficiency and reduces fatigue.

Advantages

- Simple and easy removal of the water bottle
- On-Off function of LED light and water coolant spray
- Capable of running independently with the incorporated water bottle or connected to mains water supply



Easy adjustment of the water coolant spray, LED light and spray air



PRESTO AQUA LUX Complete Set

MODEL	ORDER CODE
PRESTO AQUA LUX	Y1001151

Contents

- PRESTO AQUA LUX Control unit
- PRESTO AQUA LUX handpiece
- PR-AQL Hose
- Foot control (AFC-40)
- Secondary hose for PRESTO
- Handpiece stand
- PRESTO AQUA LUX Cord
- AC Adaptor

PRESTO AQUA LUX Handpiece



Water Coolant Options



Optic	MODEL	ORDER CODE
●	PRA-LUX-HP	T1002

- PRESTO AQUA LUX handpiece

Optic	MODEL	ORDER CODE
—	PR-AQL Hose	Z1050

- LED incorporated

PRESTO AQUA II

Lube Free Air Turbine Handpiece with Water Spray

Advantages

- Simple and easy removal of the water bottle
- Seamless adjustments of water volume and spray air
- On-off function of water coolant spray
- Capable of running independently with the incorporated water bottle or connected to mains water supply



PRESTO AQUA II Complete Set

Optic	MODEL	ORDER CODE
—	PRESTO AQUA II	Y150023

Contents

- PRESTO AQUA II unit
- PRESTO AQUA handpiece
- QD-J B3 coupling
- Hose for PRESTO AQUA II
- Foot control (AFC-40)
- Secondary hose for PRESTO

PRESTO AQUA Handpiece

- 320,000 min⁻¹
- Water coolant spray
- Water coolant options
- Requires no lubrication
- Swivel twist-free handpiece
- Low noise and vibration
- Unique dust-proof mechanism



Optic	MODEL	ORDER CODE
—	PRA-HP	T816

- PRESTO AQUA handpiece

Optic	MODEL	ORDER CODE
—	QD-J B3	T354051

- PRESTO AQUA coupling

PRESTO II

Lube Free Air Turbine Handpiece

Advantages

- Lightweight and compact



PRESTO II Complete Set

Optic	MODEL	ORDER CODE
—	PRESTO II	Y150022

Contents

- PRESTO II unit
- PRESTO handpiece
- Handpiece stand
- Hose for PRESTO
- Foot control (AFC-40)
- Secondary hose for PRESTO

PRESTO Handpiece

- 320,000 min⁻¹
- Requires no lubrication
- Low noise and vibration
- Unique dust-proof mechanism



Optic	MODEL	ORDER CODE
—	PR-HP	T815

- Includes 2 m hose



SPARE PARTS / COMPONENTS

SPARE PARTS / COMPONENTS

Ti-Max Z Series P.26-27

MODEL	PRODUCTS	ORDER CODE
SX3-NU03 Cartridge for Micro head		PA2307X001
Cleaning Wire		Z144101
SX-NU05 Head cap wrench for Micro Head		PA2307X765

S-Max M Series P.30-31

MODEL	PRODUCTS	ORDER CODE
SX-MU03 Cartridge for Miniature head		P1280
SX-SU03 Cartridge for Standard head		P1281
PTL O-ring Set (Pack of 5)		Y900580

S-Max pico Series P.34-35

MODEL	PRODUCTS	ORDER CODE
SX-PU03 Cartridge for S-Max pico		P1140200
PTL O-ring Set (Pack of 5)		Y900580

Ti-Max X450 Series P.40-41

MODEL	PRODUCTS	ORDER CODE
PTL O-ring Set (Pack of 5)		Y900580

Pana-Max2 P.44-45

MODEL	PRODUCTS	ORDER CODE
PAX2-SU03 Cartridge		P1190
PAX2-SU04 Head cap		P1190050

MODEL	PRODUCTS	ORDER CODE
PTL O-ring Set (Pack of 5)		Y900580
SX-NU04 Head cap for Micro head		PA2307X050

MODEL	PRODUCTS	ORDER CODE
SX-MU04 Head cap for Miniature head		P1001500
SX-SU04(YOS) Head cap for Standard head		P1027500
SX-SU05 Head cap wrench for Miniature head & Standard head		20000535

MODEL	PRODUCTS	ORDER CODE
SX-PU04 Head cap for S-Max pico		P1140500
SX-PU05 Head cap wrench for S-Max pico		20002803

Couplings P.16-17

MODEL	PRODUCTS	ORDER CODE
Non-Retraction Valve		P401054
PAX2-SU05		P1190765

Pana-Max PLUS P.46-47

MODEL	PRODUCTS	ORDER CODE
SX-MU03 Cartridge for Miniature head		P1280
SX-SU03 Cartridge for Standard head		P1281
SX-MU04 Head cap for Miniature head		P1001500

FX Series P.72-73

MODEL	PRODUCTS	ORDER CODE
FX25-04 Head cap for FX25m		C1052500
FX25-03 Cartridge for FX25m		C1052700
FX Spray nozzle For FX25m/FX15m		C1052702

EX Series P.74-77

MODEL	PRODUCTS	ORDER CODE
FPB-03 Cartridge for FPB		C875060
NAC-03 Cartridge for NAC		C030011
BB-03 Cartridge for BB		C037015
NBB-03 Cartridge for NBBW		C210015
FFB-03 Cartridge for FFB		C884060
Spray Nozzle For NAC, BB, FPB, FFB, TEP		C032701

MODEL	PRODUCTS	ORDER CODE
SX-SU04(YOS) Head cap for Standard head		P1027500
SX-SU05 Head cap wrench for Miniature head & Standard head		20000535

MODEL	PRODUCTS	ORDER CODE
Spray Nozzle For FX65m		H019711
FX Wrench For FX25m		C1052701
Tube		Z166101

MODEL	PRODUCTS	ORDER CODE
Spray Nozzle For EX-5B, EX-6B		H019711
FPB-02 Middle Gear		C875012
NAC-02 Middle Gear		C032012
Cap Wrench For AR-Y(S)		C185751
Cap Wrench (Black)		C071751
Tube		Z166101

Varios Combi Pro P.104

MODEL	PRODUCTS	ORDER CODE
Chamber (For Prophy use)		U1135018
Chamber (For Perio use)		U1135019
Handpiece Hose (For Prophy use)		T1051001
Handpiece Hose (For Perio use)		T1053001
Powder Handpiece (For Prophy use)		T1074001
Powder Handpiece (For Perio use)		T1077001
Nozzle (For Prophy use)		T1074012
Nozzle (For Perio use)		T1077012
VCP Bottle Set Bottle and Cap		U1135017
VA2-LUX-HP Optic Handpiece		E351050
VA2LUX-SC Handpiece Cord for VA2LUX		E351054
FC-79 Foot Control		Z1256001
Water Filter Set 3.6 m		U1135078
Water Filter		U387042
Water Filter Set		Y900069
Water Pressure Reducing Valve		U1135093
CR-10 Tip Wrench		Z221076

MODEL	PRODUCTS	ORDER CODE
Tip Holder		Z221080
Tip Cover L		Z217850
Tip Cover S		Z217851
Sterilization case		Z1035001
Irrigation Pump		U1135079
O-ring set (Chamber Base Connector) (Pack of 5)		Y1003435
Chamber Cap		U1135089
O-ring For Chamber Cap		Y1003545
O-ring set (Irrigation Bottle)		Y1003544
O-ring 1 for the Handpiece Cord		Y1003546
O-ring set Handpiece Hose		Y1003500
O-ring set (Nozzle)		Y1003501
Air Hose 3.6 m		D0914406036
Spanner Wrench 5x8 (Pack of 2)		Y1001301
Ring Wrench		T1074601
E Tip Replacement Wrench		Z217399

Varios Combi Pro P.104

MODEL	PRODUCTS	ORDER CODE
Perio-Mate Nozzle Tip (Pack of 40)		Y1002741
Nozzle Tip Remover		T1043751
Lubrication Oil		Z016112
Cleaning Wire (L)		T798091
Cleaning Wire (S)		T798095

MODEL	PRODUCTS	ORDER CODE
Cleaning File		T798092
Cleaning Brush		T798093
Unlocking tool		U1135256
Fuse		D1202220010

SPARE PARTS / COMPONENTS

Varios 970 / 570 / 370 / 170 P.107-110

MODEL	PRODUCTS	ORDER CODE
VA2-LUX-HP Optic Handpiece		E351050
VA2-HP Non-Optic Handpiece		E350050
VA970LUX-SC Handpiece Cord for Varios 970 LUX		E351055
VA970-SC Handpiece Cord for Varios 970		E350055
VA170LUX-SC Handpiece Cord for Varios 170 LUX		E351056
VA170-SC Handpiece Cord for Varios 170		E350056
FC-70 Foot Control (2.5 m)		Z1008001
FC-71 Foot Control (5 m) for Varios 370		Z1008002
AC Adaptor (2 m) For Varios 570		Y1001762
AC Adaptor (5 m) For Varios 370		Y1001790
Water Supply Connector		U387030
Water Filter Set (2 m) 2 water supply tube, water filter, water filter case		U387040
Water Filter Set (4 m) For Varios 370 2 water supply tube, water filter, water filter case		U1007080
Water Supply Tube (2 m)		U387580
Water Supply Tube (4 m) For Varios 370		D0914406040
Water Filter Case		Y900069
Water Filter		U387042

MODEL	PRODUCTS	ORDER CODE
Tube Ring (Pack of 2)		Y900077
CR-10 Tip Wrench		Z221076
E Tip Replacement Wrench		Z217399
Tip Holder		Z221080
Tip Cover L		Z217850
Tip Cover S		Z217851
Sterilization case		Z1035001
Handpiece Holder For Varios 370		10001505
VA Bottle 400 (400 mL) For Varios 970		Z1047002
Irrigation Pump For Varios 970		10000643
O-ring For Handpiece Cord		D0310020080
O-ring Thin section For VA Bottle 400		D0312090100
O-ring Thin section For VA Bottle 400		D0310075150
Varios 350/370 Stand		Z254
Varios 350/370 Mounting Bracket		Z259
Control Unit Holder For Varios 370		Y1001812
Spanner Wrench 5x8 (Pack of 2)		Y1001301

S970 / AS2000 Air Scaler P.136-138

MODEL	PRODUCTS	ORDER CODE
CR-20 Tip Replacement Wrench with Torque Limiter		Z1090001
E Tip Replacement Wrench		Z217399
Tip Holder		Z252080
Prophy-Mate neo P.148		
MODEL	PRODUCTS	ORDER CODE
PMN-HP Handpiece with 60° nozzle head		T797010
Nozzle 60°		T797012
Nozzle 80°		T797013
Powder Case Cover		T798133
Gasket		T798135
O-ring (Front Nozzle)		D0312039070
O-ring (neo) (Rear Nozzle)		D0312029070
PTL O-ring Set (Pack of 5)		Y900580
PM O-ring Set (Pack of 3)		Y900054
Ring Wrench		T797601
Blower Nozzle-PTL (neo)		T798094

MODEL	PRODUCTS	ORDER CODE
Tip Cover L		Z217850
Tip Cover S		Z217851
S970 O-ring Set (Pack of 4) For S970		Y1001953
MODEL	PRODUCTS	ORDER CODE
Blower Nozzle-KV (neo)		T886094
Blower Nozzle-SR (neo)		T887094
Blower Nozzle-WH (neo)		T888094
Blower Nozzle-BA (neo)		T889094
Blower Nozzle-M4 (neo)		T884094
Blower Nozzle-B2 (neo)		T885094
Lubrication Oil		Z016112
Cleaning Wire (L)		T798091
Cleaning Wire (S)		T798095
Cleaning File		T798092
Cleaning Brush		T798093

Perio-Mate P.152

MODEL	PRODUCTS	ORDER CODE
PER-HP		T1043010
Nozzle		T1043012
Powder Case Cover		T798133
Gasket		T798135
O-ring <small>(Front Nozzle)</small>		D0312039070
O-ring (PER) <small>(Rear Nozzle)</small>		D0312023060
PTL O-ring Set <small>(Pack of 5)</small>		Y900580
PM O-ring Set <small>(Pack of 3)</small>		Y900054
Ring Wrench		T797601
Nozzle Tip Remover		T1043751
Blower Nozzle-PTL (PER)		T1042094

iProphy P.155

MODEL	PRODUCTS	ORDER CODE
iProphy Motor handpiece		EA11170020
iProphy Stand		UA10910020
AC ADAPTOR		Y1500014

MODEL	PRODUCTS	ORDER CODE
Blower Nozzle-KV (PER)		T1044094
Blower Nozzle-SR (PER)		T1046094
Blower Nozzle-WH (PER)		T1048094
Blower Nozzle-BA (PER)		T1050094
Blower Nozzle-M4 (PER)		T1052094
Blower Nozzle-B2 (PER)		T1054094
Lubrication Oil		Z016112
Cleaning Wire (L)		T798091
Cleaning Wire (S)		T798095
Cleaning File		T798092
Cleaning Brush		T798093

MODEL	PRODUCTS	ORDER CODE
BATTERY PACK		E1080052
F-Type Spray Nozzle		Z256090

ENDO-MATE TC2 P.159

MODEL	PRODUCTS	ORDER CODE
Ni-MH Rechargeable Battery <small>(Pack of 2)</small>		Y900103
Battery Charger		U614
Power Cord		U439550

* Use only a rechargeable battery, size AAA Ni-MH (Nickel Metal Hydride). Never attempt to use a non rechargeable battery.

ENDO-MATE DT2 P.161

MODEL	PRODUCTS	ORDER CODE
ENDO-MATE DT2 Unit		U1138001
ENDO-MATE DT2 Motor and Cord		E1169001
ENDO-MATE DT adaptor		U480
Handpiece stand		Z095205

iPexII P.165

MODEL	PRODUCTS	ORDER CODE
iPexII File Clip		U1109351
iPexII Tester		U1109353

MODEL	PRODUCTS	ORDER CODE
Cord <small>For MPA / MPAS</small>		C876021
Connection Cord Clip		C876509

MODEL	PRODUCTS	ORDER CODE
Cord <small>For MPA / MPAS</small>		C876021
Connection Cord Clip		C876509
Rechargeable battery		U421070
F-Type Spray Nozzle		Z256090

MODEL	PRODUCTS	ORDER CODE
iPexII Probe		U1109352
Lip Hook		U501513

ENDO-MATE TC2 / ENDO-MATE DT Heads P.162-163

Heads for Endodontic Application

MODEL	PRODUCTS	ORDER CODE
MP-Y Miniature Head, for Ni-Ti files (ø2.35), Push Button Chuck		C547
	360° Rotation 	
MPA-Y Connection for Apex locator (for long shank), Miniature Head, for Ni-Ti files (ø2.35), Push Button Chuck		C548
	360° Rotation 	
MPAS-Y Connection for Apex locator (for short shank), Miniature Head, for Ni-Ti files (ø2.35), Push Button Chuck		C882
	360° Rotation 	

Dentalone P.171

MODEL	PRODUCTS	ORDER CODE
Saliva ejector with connector		57064
Hose		57064-1
Screwing cap suction, assembled		57068
Suction bottle complete		57072
Screwing cap water, assembled		57069
Water tank complete		57073
Cover assembled		57082
Socket assembled		57088

Endodontic Application

MODEL	PRODUCTS	ORDER CODE
FC 1:1 Direct Drive		C873
F4R 4:1 Reduction		C872
F10R 10:1 Reduction		C398
F16R 16:1 Reduction		C871
F20R 20:1 Reduction		C399

MODEL	PRODUCTS	ORDER CODE
NLX motor cord		37074
Cord for Scaler Varios 170		37075
FC-76 Foot Control		Z1082
Syringe tip		37066
Saliva ejector sieve		37064.6
Saliva ejector adaptor		37064.7
Sterilization case		Z1035001
CR-10 Tip Wrench		Z221076

VIVA ace P.177

MODEL	PRODUCTS	ORDER CODE
isoE-LUX		Z1265
V-ace Vacuum Nozzle (Pack of 10)		S900070
V-ace Vacuum Hose Set		U1144074
V-ace Vacuum Bottle Set		U1146070
V-ace Vacuum Bottle Cap		UA11440195
V-ace Suction Waste Bottle		U1146075
VS Suction Waste Bottle Lid		Z1240051
Filter including O-Ring		UA11440189
O-Ring for Filter		D0312128060
V-ace 3 way Syringe Set		U1144040
V-ace 3 way Syringe Nozzle		U1144046
V-ace Vacuum Junction Hose		U1144753
Vacuum Cap A		U1144750

MODEL	PRODUCTS	ORDER CODE
Vacuum Cap B		U1144751
Hose Cap		U1144752
V-ace Water Bottle Set		U1146080
V-ace Water Bottle Cap		UA11460103
V-ace Water bottle		U1146085
FC-76S Foot Control		Z1082005
FC-70S Foot Control		Z1008006
AC Power Cord		U439550
Shoulder Belt		U1144370
Gasket For Water Bottle		U1144729
Gasket For Vacuum Bottle		U1144636
Gasket For Vacuum Bottle		Z1137352

VIVAMATE G5 P.179

MODEL	PRODUCTS	ORDER CODE
VIVAMATE G5 230V Control unit		U1068004
VMG30EM MC VIVAMATE G5 Micromotor with Cord		E1069002
FC-76M Foot Control (Optional)		Z1082002
Handpiece Stand		Z095206

Surgic Pro2 P.190-191

MODEL	PRODUCTS	ORDER CODE
SGL80M (Optic Motor & Cord)		Y1004211
SG80M (Non-Optic Motor & Cord)		Y1004212
FC-81 (FOOT CONTROL WIRELESS)		Z1401001
Coolant Solution Hanger Post		U370152
Irrigation Tube (Pack of 5)		Y900113

Surgic Pro2 / VarioSurg 3 P.183

MODEL	PRODUCTS	ORDER CODE
Link Stand2		Z1452001

Surgic Pro P.198-199

MODEL	PRODUCTS	ORDER CODE
Tube Holder		E295105
Handpiece Stand		Z1029201
Irrigation Tube (Pack of 5)		Y900113
Coolant Solution Hanger Post		U370152

Surgic Pro / VarioSurg 3 P.193

MODEL	PRODUCTS	ORDER CODE
SG Link Stand		Z1176

MODEL	PRODUCTS	ORDER CODE
Battery Pack		Y1002886
AC Adaptor For VIVAMATE G5		U1115
AC Power Cord		U439550
Carrying Set For VIVAMATE G5		Y1002171

MODEL	PRODUCTS	ORDER CODE
AC Power Cord		U260414
Handpiece Stand		Z1402110
Tube Holder (Pack of 7)		Y900083
Protection Plug		10001595
Tube Holder		E1198105

MODEL	PRODUCTS	ORDER CODE
Link Module		Z1402001

MODEL	PRODUCTS	ORDER CODE
Handle Set		Z1027001
Protection Plug		10001595
Tube Holder (Pack of 7)		Y900083
SG-CASE Sterilization Cassette		20001348

MODEL	PRODUCTS	ORDER CODE
SG Link Cable		Z1189

VarioSurg 3 P.220-221

MODEL	PRODUCTS	ORDER CODE
E Tip Replacement Wrench For V10-S		Z217399
CR-40 For SG1A, SG8A, Socket Lift Tip VS Tip Wrench		Z305350
CR-30 Tip Wrench		10000977
Tips Holder		20001327
Handpiece Stand		Z1029201

Implant Handpieces P.201-205

MODEL	PRODUCTS	ORDER CODE
Internal Spray Nozzle		10000324
Nozzle Holder X-SG20L / nanoSG20LS X-DSG20Lh, X-DSG20h X-DSG20L, X-DSG20		20000396
Nozzle Holder For SG20		20000357

Implant Handpieces SGM / SGMS series P.206

MODEL	PRODUCTS	ORDER CODE
SGM-I Ultra Miniature Head Latch type		C293001
SGMS-I With Depth Indicator		C594001
ER16i 16:1 Reduction Handpiece		C628001
ER20i 20:1 Reduction Handpiece		C629001
Internal Spray Nozzle For SGM / SGMS		C293025
Irrigation Tube Clamp		C202750

MODEL	PRODUCTS	ORDER CODE
Saline Solution Hanger Post		U564152
Irrigation Tube (Pack of 5)		Y900113
Tube Holder (Pack of 7)		Y900767
VA-SG-CASE Sterilization Cassette		20001326

MODEL	PRODUCTS	ORDER CODE
Y-Connector		C823752
Cleaning Wire		20000512
Spray Nozzle For SGX-E20R		HA12000122

MODEL	PRODUCTS	ORDER CODE
Y-Connector		C823752
Wrench for Handpiece Attachment For SGM / SGMS		Z103101
Ruler For SGMS		Z217399
Depth Indicator (L) For SGMS		C594031
Depth Indicator (S) For SGMS		C594021

SPARE PARTS / COMPONENTS

Micro Surgery Handpieces P.207

MODEL	PRODUCTS	ORDER CODE
Spray Nozzle For SGS, SGA		H263018

Micro Saw Handpieces P.208-209

MODEL	PRODUCTS	ORDER CODE
Spray Nozzle For SGR, SGT, SGO		SH162035

Osseo 100/100+ P.213

MODEL	PRODUCTS	ORDER CODE
Multipeg Driver		55003
Sterile cover		55105
Mains adapter		55093
EU plug		55094

iSD900 P.215

MODEL	PRODUCTS	ORDER CODE
Quick Charger for iSD900		U1070001
Power Cord		U439550
Torque Calibrator		Z1056001

* Use only a rechargeable battery, size AAA Ni-MH (Nickel Metal Hydride). Never attempt to use a non rechargeable battery.

iCare+ P.251

MODEL	PRODUCTS	ORDER CODE
E-type O-ring joint (Pack of 4)		Y900185

MODEL	PRODUCTS	ORDER CODE
Spanner 8x5		K040751

MODEL	PRODUCTS	ORDER CODE
UK plug		55095
AU plug		55096
US plug		55097

MODEL	PRODUCTS	ORDER CODE
Calibration Bur		Z1057101
On/Off Switch Lever		Z1070001
Ni-MH Rechargeable Battery (Pack of 2)		Y900103

MODEL	PRODUCTS	ORDER CODE
Drip Tray		S103206

iCare P.255

MODEL	PRODUCTS	ORDER CODE
Chuck Cleaning Nozzle		Z257301
Air Filter		U508352

ULTIMATE XL / XL-D / XL-K / XL-F P.266-268

MODEL	PRODUCTS	ORDER CODE
UMXL-TM Motor Torque type (with 1.2 m cord)		E355
UMXL-CM Motor Compact type (with 1.2 m cord)		E356
UMXL-TM 2 M Motor Torque type (with 2 m cord)		E355002
UMXL-CM 2 M Motor Compact type (with 2 m cord)		E356002
UHRXL-T Attachment Torque type		H269
UHRXL-C Attachment Compact type		H271
Motor Cord T (Torque type 1.2 m)		E355051
Motor Cord C (Compact type 1.2 m)		E356051
Motor Cord T 2M (Torque type 2 m)		E355055
Motor Cord C 2M (Compact type 2 m)		E356055

MODEL	PRODUCTS	ORDER CODE
HP Head Filter (Pack of 200)		U1120118

MODEL	PRODUCTS	ORDER CODE
FC-64 Foot Control (For XL / XL-D)		Z304
Handpiece Stand (wrench is not included)		Z095201
Suspension Handpiece Cradle (For XL)		Z083
Chuck-2.35A		H203A180A
Handpiece Holder (For XL)		Y900770
Wrench for Locking Rotation		H269751
Wrench for Adjusting Chuck		K015751
Bracket Set (For XL-D / XL-K)		U364090
Fuse-T1.6A		D1202216010

SPARE PARTS / COMPONENTS

VOLVERE i7 P.271

MODEL	PRODUCTS	ORDER CODE
GX35RM-B & SCD Motor + cord		E1179
GX35EM-B & SCD E-type motor + cord		E1180
UHR45C Handpiece for GX35RM-B		H203002
VR-EB E-Type Handpiece		H1062
Carbon Brush For GX35RM-B / GX35EM-B (Pack of 2)		E023011S

PRESTO AQUA LUX P.273

MODEL	PRODUCTS	ORDER CODE
PR-AQL Hose Coupling Hose		Z1050
PR-AQL03 PRESTO AQUA LUX Cartridge		T1002250
Handpiece Stand		Z095206

PRESTO AQUA II P.274

MODEL	PRODUCTS	ORDER CODE
Hose for PRESTO AQUA II		Z308050
QD-J B3 Coupling		T354051

MODEL	PRODUCTS	ORDER CODE
Chuck-2.35A		H203A180A
FC-76 Foot Control		Z1082
Handpiece Stand		Z095206
Wrench for Adjusting Chuck		K015751

MODEL	PRODUCTS	ORDER CODE
AC Adaptor PR-AQL + cord		Y1500004
PRESTO AQUA LUX Cord		U439550
PTL O-ring Set (Pack of 5)		Y900580

MODEL	PRODUCTS	ORDER CODE
PR-AQ03 PRESTO AQUA Cartridge		T816016

PRESTO AQUA LUX / PRESTO AQUA II P.273-274

MODEL	PRODUCTS	ORDER CODE
Chuck		T815019
AFC-40 Foot Control		Z127
Secondary Hose for PRESTO (2 m)		Z101240
Water Filter Set (2 water supply tube, water filter, water filter case)		U387040
Water Filter with Case		Y900069
Water Filter		U387042
Tube Ring (Pack of 2)		Y900077

PRESTO II P.275

MODEL	PRODUCTS	ORDER CODE
Handpiece Stand		Z010134
AFC-40 Foot Control		Z127
PR-03 PRESTO Cartridge		T815016
Chuck		T815019
Hose for PRESTO (2 m)		T815220

MODEL	PRODUCTS	ORDER CODE
PRA II Bottle Set		Z308040
PRA II Bottle Lid		Z308041
PRA II Bottle		Z308601
PRA II Bottle O-ring set (Pack of 2)		Y900327
Bracket Set		Z308060
Chuck Wrench		C034751
Bur-inserting Tool		T815030

MODEL	PRODUCTS	ORDER CODE
Secondary Hose for PRESTO (2 m)		Z101240
LAB Spanner Wrench		H005751
Chuck Wrench		C034751
Bur-inserting Tool		T815030

Turbine Cartridges Quick Guide

Handpiece		Cartridge		Head Cap	
PRODUCT NAME		MODEL	ORDER CODE	MODEL	ORDER CODE
Z micro	Ti-Max Z micro	SX3-NU03	PA2307X001	SX-NU04	PA2307X050
Z micro KL / SL	Ti-Max Z micro KL / SL	SX3-NU03	PA2307X001	SX-NU04	PA2307X050
Z800L	Ti-Max Z800L	TiZ-MU03	Y1002075	TiZ-MU04	P1051050
Z800KL / Z800SL	Ti-Max Z800KL / Z800SL	TiZ-MU03	Y1002075	TiZ-MU04	P1051050
Z800WL / Z800BL	Ti-Max Z800WL / Z800BL	TiZ-MU03	Y1002075	TiZ-MU04	P1051050
Z900L	Ti-Max Z900L	TiZ-SU03	Y1002076	TiZ-SU04	P1052050
Z900KL / Z900SL	Ti-Max Z900KL / Z900SL	TiZ-SU03	Y1002076	TiZ-SU04	P1052050
Z900WL / Z900BL	Ti-Max Z900WL / Z900BL	TiZ-SU03	Y1002076	TiZ-SU04	P1052050
M800L / M800	S-Max M800L / M800	SX-MU03	P1280	SX-MU04	P1001500
M800KL / M800SL	S-Max M800KL / M800SL	SX-MU03	P1280	SX-MU04	P1001500
M800WL / M800BL	S-Max M800WL / M800BL	SX-MU03	P1280	SX-MU04	P1001500
M900L / M900	S-Max M900L / M900	SX-SU03	P1281	SX-SU04 (YOS)	P1027500
M900KL / M900K	S-Max M900KL / M900K	SX-SU03	P1281	SX-SU04 (YOS)	P1027500
M900SL	S-Max M900SL	SX-SU03	P1281	SX-SU04 (YOS)	P1027500
M900WL / M900W	S-Max M900WL / M900W	SX-SU03	P1281	SX-SU04 (YOS)	P1027500
M900BL	S-Max M900BL	SX-SU03	P1281	SX-SU04 (YOS)	P1027500
S-Max pico	S-Max pico	SX-PU03	P1140200	SX-PU04	P1140500
S-Max pico KL	S-Max pico KL	SX-PU03	P1140200	SX-PU04	P1140500
S-Max pico SL	S-Max pico SL	SX-PU03	P1140200	SX-PU04	P1140500
S-Max pico WLED	S-Max pico WLED	SX-PU03	P1140200	SX-PU04	P1140500
S-Max pico BLED	S-Max pico BLED	SX-PU03	P1140200	SX-PU04	P1140500
X450L	Ti-Max X450L	TiX45-SU03	Y1001906	TiX45-SU04	P1078500
X450KL / X450SL	Ti-Max X450KL / X450SL	TiX45-SU03	Y1001906	TiX45-SU04	P1078500
X450WLED / X450BLED	Ti-Max X450WLED / X450BLED	TiX45-SU03	Y1001906	TiX45-SU04	P1078500
Pana-Max2 PTL	Pana-Max2 PTL	PAX2-SU03	P1190	PAX2-SU04	P1190050
Pana-Max2 KV	Pana-Max2 KV	PAX2-SU03	P1190	PAX2-SU04	P1190050
Pana-Max2 M4 / B2	Pana-Max2 M4 / B2	PAX2-SU03	P1190	PAX2-SU04	P1190050
PAP-MU M4 / B2	Pana-Max PLUS MU	SX-MU03	P1280	SX-MU04	P1001500
PAP-SU M4 / B2	Pana-Max PLUS SU	SX-SU03	P1281	SX-SU04 (YOS)	P1027500
PRA-LUX-HP	Pieza de mano PRESTO AQUA LUX	PR-AQL03	T1002250	-	-
PRA-HP	Pieza de mano PRESTO AQUA	PR-AQ03	T816016	-	-
PR-HP	Pieza de mano PRESTO	PR-03	T815016	-	-

KaVo and Multiflex are registered trademarks of KaVo Dental GmbH.
 Dentsply Sirona and Sirona are registered trademarks of Dentsply Sirona Inc.
 W&H is a registered trademark of W&H Dentalwerk Bürmoos GmbH.
 Bien-Air and Unifix are registered trademarks of Bien-Air Dental S. A.
 Satelec is a registered trademark of Acteon SA.
 EMS is a registered trademark of Electro Medical Systems SA.

NSK Companies Worldwide

NAKANISHI INC. www.nsk-dental.com
700 Shimohinata, Kanuma, Tochigi 322-8666, Japan
TEL: +81 289 64 3380 FAX: +81 289 62 5636

NSK Europe GmbH
Elly-Beinhorn-Strasse 8, 65760 Eschborn, Germany
TEL: +49 6196 77606 0 FAX: +49 6196 77606 29

NSK France S.A.S.
32 rue de Lisbonne, 75008 Paris, France
TEL: +33 1 56 79 59 80 FAX: +33 1 56 79 59 81

NSK United Kingdom Ltd.
Office 4, Gateway 1000, Arlington Business Park
Whittle Way, Stevenage, SG1 2FP, UK
TEL: +44 1438 310670 FAX: +44 1438 310671

NSK Dental Spain S.A.
C/Módena, 43 El Soho-Európolis
28232 Las Rozas de Madrid, Spain
TEL: +34 91 626 61 28 FAX: +34 91 626 61 32

NSK Dental Italy S.r.l.
Via dell'Agricoltura 21, 36016 Thiene VI, Italy
TEL: +39 0445 820070 FAX: +39 0444 367436

NSK Dental Nordic
Furstenbergsgatan 4, 416 64 Gothenburg, Sweden
TEL: +46 70 895 86 20

NSK America Corp.
1800 Global Parkway, Hoffman Estates
IL 60192, USA
TEL: +1 888 675 1675 FAX: +1 800 838 9328

NSK America Latina Ltda.
Rua Blumenau, 735, Sala 02, América
Joinville SC 89204-251, Brazil
TEL: +55 47 3804 6569 FAX: +55 47 3804 5248

NSK Oceania Pty. Ltd.
Unit 12, 809-821 Botany Road
Rosebery NSW 2018, Australia
TEL: +61 2 8306 3000 FAX: +61 2 8306 3030

NSK Oceania Ltd.
Ground Floor, Suite D, 272 Parnell Road
Parnell, Auckland 1052, New Zealand
TEL: +64 9 529 2383 FAX: +64 9 523 0181

NSK Shanghai Co., Ltd.
Room 702 Tower 1 SOHO Tianshan Plaza
421 ZiYun Road, Changning District
Shanghai 200336, China
TEL: +86 21 6252 7272 FAX: +86 21 6252 7855

NSK Dental Korea Co., Ltd.
19, Yangpyeong-ro 21ga-gil
Yeongdeungpo-gu, Seoul 07207, Korea
TEL: +82 2 2633 8990 FAX: +82 2 2633 8980

NSK Nakanishi Asia Pte. Ltd.
51 Changi Business Park Central 2
#07-10 The Signature, 486066 Singapore
TEL: +65 6376 5018 FAX: +65 6376 0233

NSK Middle East FZCO
Room 6EA701, 7th Floor, East Wing No.6
Dubai Airport Free Zone, PO Box 54316, Dubai, UAE
TEL: +971 4 204 5507 FAX: +971 4 204 5508

NSK RUS LLC
2, Entuziastov bulvar, 11th floor
Moscow 109544, Russia
TEL: +7 495 967 96 07 FAX: +7 495 967 96 08

*Specifications are subject to change without notice.
*Please read the Operation Manual carefully before use, and file for future reference.
*This world catalogue is prepared to exhibit major products. The product is subject to the approval by the authority, and we suggest to check the product availability with your local distributor.

NSK United Kingdom Ltd. www.nsk-uk.com
Office 4, Gateway 1000, Arlington Business Park, Whittle Way, Stevenage, SG1 2FP, UK
TEL: +44 1438 310670 FAX: +44 1438 310671