

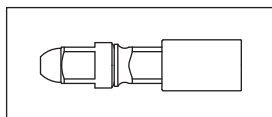
**V10 / V10-E / V10-S / V-P10**

## Instruction Manual

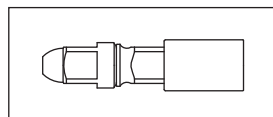
Thank you very much for purchasing our V10 / V10-E / V10-S (Plastic tip holder) and V-P10 (plastic Tip) products. Read this Instruction Manual carefully before use.

**⚠ Precautions for Use**

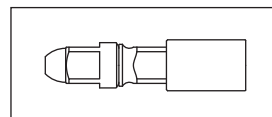
- This tip is designed specifically for the Ultrasonic System “Varios” and “VarioSurg” manufactured by NAKANISHI Inc. Be sure to use it in a dedicated unit.
- This product is designed for dental use. Do not use it for any purpose other than dental care.
- Be sure to use it under sufficient quantities of water supply.
- Be sure to use the Tip power setting from a lower level according to the case.
- Be sure to check that the power level is set appropriately before use.
- Be sure to check that the Tip is fixed securely before use.
- The Tip is a consumable. Check it for the state of wear and replace it with a new one in good time. (For standard replacement time, refer to the descriptions in the “5. Maintenance”)
- Do not grind the Tip or change the angle by bending it. It may be broken or may not vibrate during use.
- Do not use a flawed, bent or rusted Tip. It may be broken during use.
- When the Tip is damaged such as by breaking during use, stop use immediately and replace it with a new one. The damaged portion may injure the gums or periodontal tissues.
- Do not use the Tip for persons who have a cardiac pacemaker.
- Sterilization is required, after you purchase and each patient.

**1. Product Names and Numbers**

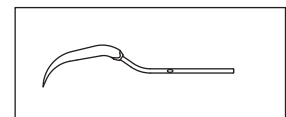
V10 : Z217041  
Plastic tip holder for Varios



V10-E : Z291020  
Plastic tip holder for  
Varios2 SHIN-HP/SHIN-LUX-HP



V10-S : Z305117  
Plastic tip holder for VarioSurg



V-P10 : Y900184  
Plastic Tip

**2. Features of V-P10 (Plastic Tip)**

- This Tip is made by special plastic material and maintenance can be performed without damaging the surface of a prosthetic appliance such as metal.
- Superior operability, with a curette type shape that easily fits between teeth.
- Economical Tip, easy to replace in case of breakage or wear.
- This Tip made of plastic material and it is different from conventional metal Tips. Be sure to use it at a specified or lower power level.

**3. Application**

Removal of plaque built up on the surface of a prosthetic appliance such as metal.

**4. Directions for Use****4-1 Mounting the Tip**

When V-P10 (plastic Tip) is used, V10, V10-E or V10-S (Plastic tip holder) and a wrench (E-Tip Wrench and CR-10 Tip Wrench) are required.

- 1) Screw V10 / V10-E / V10-S into a handpiece by hand until it is tightened lightly. Then, tighten it securely with the wrench (E-Tip Wrench). (Fig. 1)

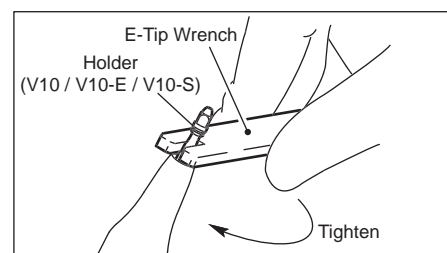


Fig. 1

- 2) Insert V-P10 into holder (V10 / V10-E / V10-S). Insert it into holder until holder (V10 / V10-E / V10-S) aligns with the indentation of the metal core of V-P10 (plastic Tip). (Fig. 2)

**CAUTION**

Appropriate vibration is not provided unless tip comes in to a dent part.

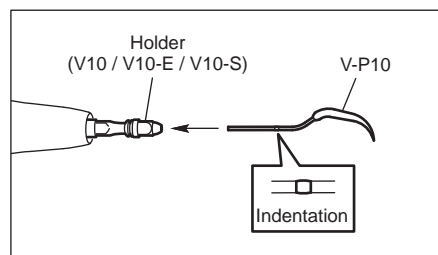


Fig. 2

- 3) **V10 / V10-E**  
Insert the wrench (CR-10 Tip Wrench) from over V-P10 (plastic Tip) by drawing the Tip through the wrench hole and aligning the wrench with the screw of the holder (V10 / V10-E) and tighten it until it idles with a “click.” (Fig. 3)
- V10-S**  
Tighten the Tip with wrench (E-Tip wrench) firmly. (Fig.3)
- 4) Pull the head to ensure that V-P10 (plastic Tip) is not removed from holder. Be careful since an unsecured Tip may not give proper vibrations.

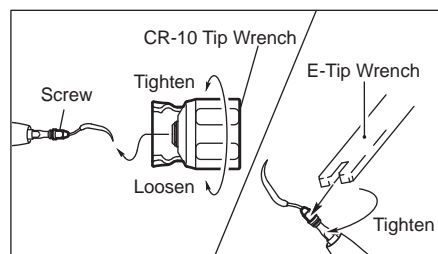


Fig. 3

4-2 Output Setting

- Check model of your handpiece. Use it within the Maximum power level specified on the tip case or below.
- Be sure to use the Tip power setting from a lower power according to the case of the patient. Since these are extremely fine Tips, using beyond the Maximum power level may cause breakage.

**CAUTION**

Setting the power beyond the Maximum level may break the Tip or damage the tooth surface.

Product Name	Max. Power Level		
	Varios2 Varios 970 570/370	Varios Varios 750 550/560/350	VarioSurg
V-P10	P ⑥	P ③	P 100%

\* Check Model of your Handpiece.

Fig. 4

\* Be sure to read the operation manual and package insert for “Varios series” or “VarioSurg” before use.

4-3 Directions for use

- 1) Mount the Tip. (Refer to 4-1 Mounting the Tip)
  - 2) Set the power of Ultrasonic system “Varios series” or “VarioSurg” to the level within the Maximum power specified on the tip case. (Refer to 4-2 Output setting)
  - 3) Adjust the water volume or the angle of the handpiece to make sure the supplied water reach the end of the Tip.
  - 4) Remove plaque from the prosthesis according to the normal method.
- \* For operation of Ultrasonic system “Varios series” and “VarioSurg”, refer to the operation manual of “Varios series” and “VarioSurg”.

**5. Maintenance**

**Tip Replacement Time**

Tip replacement time is judged from its shape change. It is generally said that the plaque removal rate decreases approx. 25% when the head of the tip shortens 1mm and approx. 50% when it shortens 2mm. You are recommended to check the tip for the state of wear and replace it when its head has worn approx. 1mm for efficient operation of the tip with proper vibrations.

**Sterilization**

Be sure to clean for sterilization to store after use.  
Autoclavable up to max. 135°C.  
ex.) Autoclave for 20 min. at 121°C, or 3 min. at 134°C.

\* EN13060 or EN ISO17665-1 recommends autoclaving for 3 minutes (minimum holding time) at 134°C or 15 minutes (minimum holding time) at 121°C.  
NSK recommends Class B sterilization.

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