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.

No more clogging
By keeping the control unit, handpiece and handpiece hose separate the risk of powder blockages inside the unit has been completely eliminated. The components carrying powder and water are all easily accessible for maintenance and service.

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.
Varios Combi Pro

Optimizing Manoeuvrability

Clear display
A clear function display enhances safety and efficiency by enabling clinicians to quickly confirm which programme is in use: supragingival, subgingival or ultrasonic, the 10 power levels and spray water volume.

Large LCD panel
The LCD panel offers excellent visibility and contrast and is specially coated to resist powder scratches.

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.

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.

Controls all Key Operations for Procedures

Multi-Foot Control
NSK extensively researched foot movement and sensory feeling when developing the Multi-Foot Control to enable clinicians to operate the unit hands-free to facilitate uninterrupted procedures. Just using the foot the user can switch ultrasound or powder modes on or off and change power settings. Combined with a hanger, this offers complete hands-free operations.

Optional PERIO-SYSTEM

MODEL: Varios Combi Pro Perio Set
ORDER CODE: Y1003042

Contents
- PERIO-CHAMBER
- PERIO-Hose
- PROPHY-Handpiece with 60° Nozzle
- PROPHY-Hose
- VA2LUX-Handpiece
- 3 Scaling tips
- Sterilization case
- Irrigation bottle (400mL)
- Foot control

Varios Combi Pro Basic Set

MODEL: Varios Combi Pro Basic Set
ORDER CODE: Y1002843

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

Specifications
- Power Supply: AC 230V 50/60 Hz
- Frequency: 28-32 KHz
- Dimensions: W225 x D290 x H162 (mm) (including chamber)
- Unit weight: 2.6 kg (Except attachment)
- Bottle volume: 400 mL
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.

Feedback Function
The NSK iPiezo engine from NSK assures stable output by automatically adjusting to the optimum frequency depending on the loading of the tip.

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.

Advantages
• Slimmest and lightest handpiece with LED illumination
• iPiezo engine ensures stable power output and performance
• Twin LED lights through twin optical glass rods
• Optic and non-optic handpieces available
• Extensive tip range for a wide range of applications

Twin LED lights

Well Balanced, Slimmest and Lightest Handpiece with LED Illumination
The extremely slim Varios2 handpiece allows excellent accessibility and high visibility is ensured, offering more comfortable use. The handpiece can be repeatedly autoclaved up to 135°C and processed in a thermo disinfector.

Optic Handpiece VA2-LUX-HP

Non-Optic Handpiece VA2-HP

NSK LED delivers natural daylight quality light bringing significant advantages to the way you work
Clearer: LEDs generate natural daylight quality light which assures clearer vision when compared to halogen light.
Durable: LED light sources are longer lasting and more durable than halogen bulbs.
Features

• Easily changeable solution bottles
• Designed for easy on site maintenance
• Touch control mode indicator Endo, Perio, General Mode
• Clear power display for 10 power and irrigation flow setting
• Easy to use memory function to store user settings
• Touch control irrigation status selection. Choose between dry operation, bottled solutions or external water supply
• Dual water adjustment controls for bottled or external water

Large LED Display
All operating parameters are clearly displayed on the large LED display controlled by easily recognizable buttons.

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.

360° Foot Control
Varios Foot Control can be operated easily from any angles.

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

Varios 970 Complete Sets

Optic: Varios 970 Optic Complete Set
MODEL VA970 LUX ORDER CODE Y1001168

Non-Optic: Varios 970 Non-Optic Complete Set
MODEL VA970 ORDER CODE Y1001175

Contents
• Control unit  • Handpiece  • Handpiece cord  • 3 Scaling tips (G4, G6, G8)  • Foot control (FC-70)
• 2 x Irrigation bottles  • 3 x Tip wrench with torque limiter  • AC power cord  • Sterilization case

Specifications
• Power Supply : AC 230V / 50/60 Hz
• Frequency : 28-32 kHz
• Max. output : 11 W (G mode)
• Dimensions : W160 x D270 x H190 (mm) (Including Bottle)
• Unit weight : 2.1 kg (Except attachment)
• Bottle volume : 400 mL (x 2 bottles)

Optic / Non-Optic

Multifunction Portable Unit for Extreme Versatility
All-in-one – Stylish compact all-in-one unit for Periodontic, Endodontic, Scaling, MI applications and Implant maintenance. Convenient large capacity bottles of 400 mL of the same solution each or different solutions with independent pumps. The all Varios features the latest developments in piezo technology. The iPiezo engine from NSK assures stable output by automatically adjusting to the optimum frequency depending on the loading of the tip.

Advantages
• All-in – Stylish compact all-in-one unit for Periodontic, Endodontic, Scaling, MI applications and Implant maintenance
• Stable vibration and power by newly developed iPiezo engine
• Convenient large capacity bottles of 400 mL each or different solutions with independent pumps
• Excellent illumination of the treatment area is guaranteed by the twin LEDs guided through twin glass rods
**Varios 570 Optic**

**iPiezo engine®**

**Compact and Versatile**

Varios 570 offers three power modes selectable to the tip connected to the handpiece: “G” (general), “E” (endo) and “P” (peri). Power level can be fine-tuned 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 appropriately sized body design
- User friendly and intuitive operation control panel

**Specifications**
- **Power Supply**: AC 100V-240V 50/60 Hz
- **Frequency**: 28-32 KHz
- **Max. output**: 11 W (G mode)
- **Dimensions**: W80 x D115 x H32 (mm)
- **Unit weight**: 0.43 kg (without knob and cord)

**Contents**
- Control unit with handpiece cord
- AC adaptor
- Handpiece
- Water filter set
- Water supply connector
- Foot control (FC-70)
- 3 Scaling tips (G4, G6, G8)
- Tip wrench with torque limiter

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**Varios 370 Optic / Non-Optic**

**iPiezo engine®**

**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

**Specifications**
- **Power Supply**: AC 100V-240V 50/60 Hz
- **Frequency**: 28-32 KHz
- **Max. output**: 11 W (G mode)
- **Dimensions**: W160 x D135 x H65 (mm)
- **Unit weight**: 0.43 kg

**Contents**
- Control unit with handpiece cord
- Control unit holder
- AC adaptor
- Handpiece
- Handpiece holder
- Water filter set
- Foot control (FC-71)
- 3 Scaling tips (G4, G6, G8)
- Tip wrench with torque limiter

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Varios 170 Optic / Non-Optic

Integrated Multi Function Ultrasonic Scaler

The Smallest Module for Easy Integration into New and Existing Dental Equipment

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 new 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.

Specifications
- Power Supply: AC 24V ±10% or DC24-36V
- Frequency: 28-32 KHz
- Max. output: 11 W
- Dimensions: W63 x D54 x H26 (mm)
- Module weight: 59 g

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

Varios 170 Complete Sets

Optic Varios 170 Optic Complete Set
Model: VA170LUXS1  order code: Y1001351

Non-Optic Varios 170 Non-Optic Complete Set
Model: VA170S1  order code: Y1001352

Contents
- Built in module
- Handpiece
- Handpiece cord
- 3 Scaling tips (G4, G6, G8)
- 3 x Tip replacement wrench with torque limiter
- Sterilization case
Varios Tips

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.

NSK Offers A Wide Choice of Varios Ultrasonic Scaler Tips For Clinical Applications.

- **Restorative**
- **Prosthetics**
- **Scaling**
- **Extraction**
- **V-Tip (Restorative)**
- **V-Tip (Endodontics)**
- **Maintenance**
- **Perio**
- **Endodontics**
- **Retrograde Endo**

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.
**Varios Ultrasonic Scaler Tips**

### Scaling

- **Model G1**
  - Order Code: Z217101
  - NSK Satelec
- **Model G2**
  - Order Code: Z217102
  - NSK Satelec
- **Model G3**
  - Order Code: Z217103
  - NSK Satelec
- **Model G4**
  - Order Code: Z217104
  - NSK Satelec
- **Model G5**
  - Order Code: Z217105
  - NSK Satelec
- **Model G6**
  - Order Code: Z217106
  - NSK Satelec
- **Model G7**
  - Order Code: Z217107
  - NSK Satelec
- **Model G8**
  - Order Code: Z217108
  - NSK Satelec
- **Model G9**
  - Order Code: Z217109
  - NSK Satelec
- **Model G10**
  - Order Code: Z217110
  - NSK Satelec
- **Model G11**
  - Order Code: Z217111
  - NSK Satelec
- **Model G12**
  - Order Code: Z217112
  - NSK Satelec
- **Model G13**
  - Order Code: Z217113
  - NSK Satelec

### Cross Section Diagram

- 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.
- **Washable in the thermodisinfector**
- **Autoclavable up to 135°C**

**Perio (Root Planing)**

- **Model P1**
  - Order Code: Z217404
  - NSK Satelec
- **Model P1D**
  - Order Code: Z217405
  - NSK Satelec
- **Model P2D**
  - Order Code: Z217402
  - NSK Satelec
- **Model P3D**
  - Order Code: Z217403
  - NSK Satelec
- **Model P10**
  - Order Code: Z217410
  - NSK Satelec
- **Model P11R**
  - Order Code: Z217408
  - NSK Satelec
- **Model P11L**
  - Order Code: Z217409
  - NSK Satelec

- **Sharp edge**
- **Left curved type**
- **Right curved type**
- **Diamond coated**

**Note:**

- Washable in the thermodisinfector
- Autoclavable up to 135°C

**Series:**

- **Varios**
- **Ultrasonic Scaler Tips**
- **NSK Satelec**
- **Satelec**
- **EMS**
- **®**
- **ORAL HYGIENE**

**Autoclavable up to 135°C**

**Thermodisinfector**

- **96-97**
- **094-115_Tıp_OC_1505.indd 96-97**
- **15.5.3 4:51:21 PM**
**Varios Ultrasonic Scaler Tips**

### Perio (Root Planing)

- **P20**
  - Order Code: Z217420
  - **NSK** Satelec
  - **EMS**

- **P20-E**
  - Order Code: Z291420

- **P21R**
  - Order Code: Z217422
  - **NSK** Satelec
  - **EMS**

- **P21R-E**
  - Order Code: Z291422

- **P21L**
  - Order Code: Z217421
  - **NSK** Satelec
  - **EMS**

- **P21L-E**
  - Order Code: Z291421

- **P25R**
  - Order Code: Z217424
  - **NSK** Satelec
  - **EMS**

- **P25R-E**
  - Order Code: Z291424

- **P25L**
  - Order Code: Z217425
  - **NSK** Satelec
  - **EMS**

- **P25L-E**
  - Order Code: Z291425

- **P26R**
  - Order Code: Z217426
  - **NSK** Satelec

- **P26L**
  - Order Code: Z217427
  - **NSK** Satelec

### Perio (Irrigation and Cleaning)

- **P40**
  - Order Code: Z217550
  - **NSK** Satelec

- **P41**
  - Order Code: Z217555
  - **NSK** Satelec

**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.

- Tip diameter ø0.6 mm
- Tip diameter ø0.8 mm

**Satelec®**

**NSK**

**EMS**

- **Washable in the thermodisinfector**
- **Autoclavable up to 135°C**

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Varios Ultrasonic Scaler Tips

Perio-Control

V-Tip Holder

MODEL V10 ORDER CODE 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.

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.

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.

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.

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

V-P11L Y1002166 MODEl ORDER CODE

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

V-P10 Y900184 MODEl ORDER CODE

- Pack of 3
- V10 holder is not included

V-P12 Y1002167 MODEl ORDER CODE

- Pack of 3
- V10 holder is not included

V-P26R Y1002168 MODEl ORDER CODE

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

V-P26L Y1002169 MODEl ORDER CODE

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

Autoclavable up to 135°C Washable in the thermodisinfector

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.
Varios Ultrasonic Scaler Tips

Endodontics

Cross Section Diagram

• For root canal cleaning

MODEL E4 ORDER CODE Z217428

• Diamond coated • For root canal enlargement

MODEL E4D ORDER CODE Z217528

• Water not required • For lateral condensation

MODEL E5 ORDER CODE Z217305

• Water not required • For lateral condensation

MODEL E6 ORDER CODE Z217306

• Water not required • For removal of filling and foreign material

MODEL E7 ORDER CODE Z217307

• Diamond coated • For enlargement of root canal wall

MODEL E7D ORDER CODE Z217317

• Diamond coated • For locating root canals and removal of calcifications

MODEL E15D ORDER CODE Z217319

• Water not required • For removal of filling and foreign material

MODEL E8 ORDER CODE Z217308

• Diamond coated • For enlargement of root canal wall

MODEL E8D ORDER CODE Z217318

• Diamond coated • For lateral condensation

MODEL E15D ORDER CODE Z217319

• Water not required • For removal of filling and foreign material

MODEL E8D ORDER CODE Z217318

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.

* For tips E5, E7, E7D, E8, and E8D, please use the attached E Tip Replacement Wrench.

Washable in the thermodisinfector Autoclavable up to 135°C

Washable in the thermodisinfector Autoclavable up to 135°C
### Varios Ultrasonic Scaler Tips

**120° Angle Holder for U files**

- **MODEL E11**
  - **ORDER CODE Z217031**
  - For U files (ø 0.8 mm) • For root canal cleaning • For anterior teeth

**95° Angle Holder for U files**

- **MODEL E12**
  - **ORDER CODE Z217032**
  - For U files (ø 0.8 mm) • For root canal cleaning • For posterior teeth

### Endodontics

**Cross Section Diagram**

- 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.

### Retrograde Endo

- **MODEL E30RD**
  - **ORDER CODE Z217212**
  - Diamond coated • For posterior teeth (right angled)

- **MODEL E30LD**
  - **ORDER CODE Z217213**
  - Diamond coated • For posterior teeth (left angled)

- **MODEL E31D**
  - **ORDER CODE Z217210**
  - Diamond coated • For anterior and posterior teeth (70°)

- **MODEL E32D**
  - **ORDER CODE Z217211**
  - Diamond coated • For anterior teeth (90°)

### U files

- **E11 Z217031 MODEl ORDER CODE**
- **E12 Z217032 MODEl ORDER CODE**

### Tip Replacement Wrench

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.

### Reference Chart

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

<table>
<thead>
<tr>
<th>File Code</th>
<th>#15</th>
<th>#20</th>
<th>#25</th>
<th>#30</th>
<th>#35</th>
</tr>
</thead>
<tbody>
<tr>
<td>E11</td>
<td>22 mm</td>
<td>24.5 mm</td>
<td>22 mm</td>
<td>22 mm</td>
<td>22 mm</td>
</tr>
<tr>
<td>E12</td>
<td>22 mm</td>
<td>24.5 mm</td>
<td>24.5 mm</td>
<td>24.5 mm</td>
<td>22 mm</td>
</tr>
</tbody>
</table>

*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.*
Varios Ultrasonic Scaler Tips

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.

Cross Section Diagram

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

Root extraction
(upper left No. 2 tooth removal)

Impacted tooth
(lower left No. 8 tooth removal)
**Varios Ultrasonic Scaler Tips**

### Condensation

- **Model G21**
  - MODEL: G21
  - ORDER CODE: Z217010
  - Water not required
  - For anterior teeth
  - 3 caps supplied

- **Model G22**
  - MODEL: G22
  - ORDER CODE: Z217020
  - Water not required
  - For posterior teeth
  - 3 caps supplied

- **Tip Cap**
  - MODEL: Tip Cap
  - ORDER CODE: Y140751
  - Autoclavable
  - For G21 / G22
  - Pack of 10

### Loosening / Plugging

- **Model G26**
  - MODEL: G26
  - ORDER CODE: Z217206
  - For post removal

- **Model G28**
  - MODEL: G28
  - ORDER CODE: Z217208
  - Water not required
  - For amalgam condensation
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

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

Endodontics

- For Root Canal Cleaning
- For Root Canal Enlargement

Maintenance

- For Prosthesis or Implant Maintenance

Perio-Control

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.
Varios Ultrasonic Scaler Tips  
Restorative (For Minimal Intervention)

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.

Varios Ultrasonic Scaler Tips  
Restorative (For Caries Removal)

ORDINAL HYGIENE
**Tip Kits**

**Application PERIO**

**Varios Ultrasonic Scaler Tips**

- **Model:** Perio Kit A  
  **Order Code:** Y900144  
  **Contents:**  
  - P1D, P2D, P3D, P10 : 1 pc. each  
  - Tip holder : 1 pc.

---

**Model:** Perio Kit B  
**Order Code:** Y900145  
**Contents:**  
- P30, P26R, P26L : 1 pc. each  
- Tip holder : 1 pc.

---

**Application PERIO**
Furcation and curved root face

**Model:** Perio-Control Tips  
**Starter Kit**  
**Order Code:** Y1002606  
**Contents:**  
- V10 holder : 1 pc.  
- V11R, V-P11L, V-P12, V-P26R, V-P26L : 1 pc. each  
- E Tip replacement wrench : 1 pc.

---

**Application MAINTENANCE**
For Prostheses or Implant Maintenance

**Model:** Endo Kit E11  
**Order Code:** 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

---

**Application ENDODONTICS**
For anterior root canal irrigation

**Model:** Endo Kit E12  
**Order Code:** Y900147  
**Contents:**  
- E12 : 1 pc. 90° angle holder for posterior teeth  
- E Tip replacement wrench : 1 pc.  
- U files 33 mm #15, #20, #25, #30, #35 : Pack of 6 each size

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**Application ENDODONTICS**
For posterior root canal irrigation

**Model:** Retro Kit  
**Order Code:** 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:** MI Starter Kit  
**Order Code:** 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

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**Autoclavable up to 135°C**

**Washable in the thermodisinfector**

**NGK** ORAL HYGIENE
**Ti•Max S970 series** Air Scalers

**Performance and Versatility**

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.

**Advantages**

- Twin LED lights through twin optical glass rods
- Optic and non-optic handpieces available
- Extensive tip range for a wide range of applications

**NSK LED technology delivers natural daylight**

When combined with one of NSK’s LED couplings the S970L will provide daylight quality illumination of the operating site making procedures less strenuous on the eye. Clearer visibility results in faster more precise treatment.

**Stable**

- A PCB controls the input voltage from the dental unit to provide stable illumination.

**Durable**

- LED light sources are longer lasting and more durable than halogen bulbs.

**Clearer**

- LEDs generate natural daylight quality light which assures clearer vision when compared to halogen light.

**Stable Power Output**

S970 air scalers provide stable power output and constant oscillating movement across the entire power range at approximately 6,000Hz. 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.
Ti·Max S970 series

- 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 (OR-20) and Tip Cover (L)

Connect to NSK Couplings

Optic
- MODEL S970L
- ORDER CODE T1005

Non-Optic
- MODEL S970
- ORDER CODE T1020

Connect Direct to KaVo®, Sirona® Couplings

Optic
- MODEL S970KL
- ORDER CODE T1013

AS2000 Air Scalers

- Frequency of oscillation: 5,600–5,850 Hz
- Includes 3 tips (S1, S2 & S3), Tip Wrench (OR-20) and Tip Cover (L)

Non-Optic
- MODEL AS2000 M4
- ORDER CODE T698
  - For Midwest 4 hole
  - Weight: 67 g

Non-Optic
- MODEL AS2000 B2/B3
- ORDER CODE T697
  - For Borden 2/3 hole
  - Weight: 64 g

Washable in the thermodisinfector

Autoclavable up to 135°C

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### Air Scaler Tips

<table>
<thead>
<tr>
<th>Model</th>
<th>Tip Type</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1</td>
<td>Universal Type</td>
<td>Z252411</td>
</tr>
<tr>
<td>S2</td>
<td>Sickle Type</td>
<td>Z252413</td>
</tr>
<tr>
<td>S3</td>
<td>Perio Type</td>
<td>Z252412</td>
</tr>
<tr>
<td>S10</td>
<td>Universal Type Slim Line</td>
<td>Z252420</td>
</tr>
<tr>
<td>S20</td>
<td>Root Planning (Straight tip)</td>
<td>Z252441</td>
</tr>
<tr>
<td>S21R</td>
<td>Root Planning (Right curved tip)</td>
<td>Z252442</td>
</tr>
<tr>
<td>S21L</td>
<td>Root Planning (Left curved tip)</td>
<td>Z252443</td>
</tr>
</tbody>
</table>

### Maintenance (V-Tip)

#### Perio-Control

<table>
<thead>
<tr>
<th>Model</th>
<th>Order Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S35</td>
<td>Z252015</td>
<td>Includes E-Tip replacement wrench, Plastic Tip is not included</td>
</tr>
</tbody>
</table>

#### V-Tip Holder

<table>
<thead>
<tr>
<th>Model</th>
<th>Order Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>V-P10</td>
<td>Y900184</td>
<td>Pack of 3, S35 holder is not included</td>
</tr>
<tr>
<td>V-P11R</td>
<td>Y1002165</td>
<td>Right curved type, Pack of 3, S35 holder is not included</td>
</tr>
<tr>
<td>V-P11L</td>
<td>Y1002166</td>
<td>Left curved type, Pack of 3, S35 holder is not included</td>
</tr>
</tbody>
</table>

### Air Scaler Kit

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perio-Control Tips : 1 pc.</td>
<td>Y1002754</td>
</tr>
<tr>
<td>V-P10, V-P11R, V-P11L, V-P12 : 1 pc. each</td>
<td></td>
</tr>
<tr>
<td>Includes E-Tip replacement wrench</td>
<td></td>
</tr>
</tbody>
</table>

#### Autoclavable

- Washable in the thermodisinfector
- Autoclavable up to 135°C
**Air Scaler Tips**

**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.

- **S65D**  
  - ORDER CODE: Z252465
  - MODEL: S65D
  - Diamond coated

- **S66D**  
  - ORDER CODE: Z252466
  - MODEL: S66D
  - Diamond coated

- **S67D**  
  - ORDER CODE: Z252467
  - MODEL: S67D
  - Diamond coated

- **S68D**  
  - ORDER CODE: Z252468
  - MODEL: S68D
  - Diamond coated

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

- **S65D**
- **S81D**
- **S71D**

**Air Scaler Tips**

**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 are available for deep chamfer, light chamfer and shoulder work, respectively.

- **S81D**  
  - ORDER CODE: Z252469
  - MODEL: S81D
  - Diamond coated

- **S82D**  
  - ORDER CODE: Z252462
  - MODEL: S82D
  - Diamond coated

- **S83D**  
  - ORDER CODE: Z252461
  - MODEL: S83D
  - Diamond coated

- **S86D**  
  - ORDER CODE: Z252460
  - MODEL: S86D
  - Diamond coated

- **S71D**  
  - ORDER CODE: Z252471
  - MODEL: S71D
  - Diamond coated

- **S72D**  
  - ORDER CODE: Z252472
  - MODEL: S72D
  - Diamond coated

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

Restorative

For Minimal Intervention

For Finishing / Trimming / Polishing

For Caries Removal

Endodontics

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V-TIP System Line-Up

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.

Air Scaler Tips

Endodontics V-Tip

V-Tip Holder

MODEL: S75 ORDER CODE: Z252035

• Includes E-Tip replacement wrench

V-U15

MODEL: V-U15 ORDER CODE: Y900177

• V-file Irrigation 23 mm #15 • ISO15 • Pack of 6

V-U20

MODEL: V-U20 ORDER CODE: Y900178

• V-file Irrigation 23 mm #20 • ISO20 • Pack of 6

V-U25

MODEL: V-U25 ORDER CODE: Y900179

• V-file Irrigation 23 mm #25 • ISO25 • Pack of 6

V-U30

MODEL: V-U30 ORDER CODE: Y900180

• V-file Irrigation 23 mm #30 • ISO30 • Pack of 6

V-U35

MODEL: V-U35 ORDER CODE: Y900181

• V-file Irrigation 23 mm #35 • ISO35 • Pack of 6

V-N50

MODEL: V-N50 ORDER CODE: Y900182

• Ni-Ti Irrigation 17 mm • Pack of 3

V-N51

MODEL: V-N51 ORDER CODE: Y900183

• Ni-Ti Irrigation 21 mm • Pack of 3

S75

120° Angle type

S35

Straight

For Prostheses or Implant Maintenance

Perio-Control

Pages 126-127

Washable in the thermodisinfector || Autoclavable up to 135°C

124-125
**Air Scaler Tips**

**Restorative (For Minimal Intervention)**

- **V-Tip Holder**
  - Model: S75
  - Order Code: Z252035
  - Tip is optional.
  - Includes E-Tip replacement wrench.

- **Tip Kit**
  - Model: Y900158
  - Order Code: V-G75
  - Diamond coated
  - Normal Grade
  - Pack of 3

- **Tip Kit**
  - Model: Y900121
  - Order Code: V-G75
  - Diamond coated
  - Super Fine Grade
  - Pack of 3

- **Tip Kit**
  - Model: Y900122
  - Order Code: V-G76
  - Diamond coated
  - Fine Grade
  - Pack of 3

- **Tip Kit**
  - Model: Y900119
  - Order Code: V-G71
  - Diamond coated
  - Normal Grade
  - Pack of 3

- **Tip Kit**
  - Model: Y900118
  - Order Code: V-G70
  - Diamond coated
  - Normal Grade
  - Pack of 3

- **Tip Kit**
  - Model: Y900123
  - Order Code: V-G72
  - Diamond coated
  - Super Fine Grade
  - Pack of 3

**Restorative (For Finishing / Trimming / Polishing)**

- **V-Tip Holder**
  - Model: S75
  - Order Code: Z252035
  - Tip is optional.
  - Includes E-Tip replacement wrench.

- **Tip Kit**
  - Model: Y900165
  - Order Code: V-G77
  - Diamond coated
  - Normal Grade
  - Pack of 3

- **Tip Kit**
  - Model: Y900166
  - Order Code: V-G78
  - Diamond coated
  - Fine Grade
  - Pack of 3

- **Tip Kit**
  - Model: Y900167
  - Order Code: V-G79
  - Diamond coated
  - Super Fine Grade
  - Pack of 3

- **Tip Kit**
  - Model: Y900168
  - Order Code: Y900168
  - Assorted Tip Kit
  - Pack of 1 each

**Restorative (For Caries Removal)**

- **V-Tip Holder**
  - Model: S75
  - Order Code: Z252035
  - Tip is optional.
  - Includes E-Tip replacement wrench.

- **Tip Kit**
  - Model: Y900161
  - Order Code: V-S1
  - Stainless Tip
  - Pack of 3

- **Tip Kit**
  - Model: Y900162
  - Order Code: V-S3
  - Stainless Tip
  - Pack of 3

- **Tip Kit**
  - Model: Y900163
  - Order Code: V-S33
  - Stainless Tip
  - Pack of 3

- **Tip Kit**
  - Model: Y900164
  - Order Code: Y900164
  - Assorted Tip Kit
  - Pack of 1 each

*Tip is optional.*

**Autoclavable up to 135°C**

**Washable in the thermodisinfector**
Prophy-Mate neo

Air Powered Tooth Polishing System

Enhanced Prophy-Mate neo unites form and functionality for easier use. Excellent weight balance and a lightweight, compact powder chamber make Prophy-Mate neo comfortable to hold, while the original NSK handpiece connection swivels 360˚ even under strong air pressure. Effortless operation shortens time for treatment of plaque and stains. 60˚ and 80˚ nozzles are available.

Applications

- Removal of plaque and discolouration
- Etching of enamel, dentine, and porcelain prior to bonding
- Preparation for pit and fissure sealant

Advantages

- Sturdy and reliable
- Simple to operate
- Easy maintenance
- Quick connect to major turbine couplings
- Selectable Choice of 60˚ and 80˚ nozzles

Features

- Newly introduced selectable 60˚ and 80˚ nozzles increase cleaning efficiency
- Lightweight and compact handpiece
- Two 360˚ twist-free swivel joints for better access and more comfort
- Only the handpiece part of the Prophy-Mate neo can be washed in a thermo-disinfector*

Ergo-Comfort Design

Lightweight, compact design and well-considered weight balance enable easy handling for minimised hand and wrist fatigue, helping to ensure thorough treatment.

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.

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.

Easy Detachable Nozzles with 60˚ and 80˚

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

*Do not wash the powder case or the powder case’s cap in a thermo-disinfector.
FLASH pearl
Sparkling Results Every Time
FLASH pearl, a cleaning powder for Prophy-Mate neo, 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.

Advantages
• Powerful
• Quick results
• Soft & Gentle
• Sodium-free natural taste
• Biodegradable and non-clogging
• Suitable for all other manufacturers’ air polishing systems

Spherical granules remove residues from every corner
FLASH pearl granules are small and spherically shaped compared to particles of sodium bicarbonate powder. This means more contact and better access to clean all target areas effectively. A wider working angle also provides greater treatment safety.

Prophy-Mate neo Complete System

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Model</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSK</td>
<td>PMNG-PTL-P</td>
<td>Y135029</td>
</tr>
<tr>
<td>KaVo®</td>
<td>PMNG-KV-P</td>
<td>Y135030</td>
</tr>
<tr>
<td>Sirona®</td>
<td>PMNG-SR-P</td>
<td>Y135031</td>
</tr>
<tr>
<td>W&amp;H®</td>
<td>PMNG-WH-P</td>
<td>Y135032</td>
</tr>
<tr>
<td>Bien-Air®</td>
<td>PMNG-BA-P</td>
<td>Y135033</td>
</tr>
<tr>
<td>M4</td>
<td>PMNG-M4-P</td>
<td>Y135034</td>
</tr>
<tr>
<td>B2</td>
<td>PMNG-B2-P</td>
<td>Y135035</td>
</tr>
</tbody>
</table>

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

Prophy-Mate neo Cleaning Powder

<table>
<thead>
<tr>
<th>Model</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLASH pearl</td>
<td>Y900693</td>
</tr>
<tr>
<td>FLASH pearl (Bottle)</td>
<td>Y900698</td>
</tr>
</tbody>
</table>

Advantages:
• Stylishly packaged in a handy, original box.
• Contains 100 x 15 gms sachets.
• 4 bottles packed in a box
• Comes with a measuring cup for your convenience
• Each bottle contains 300 gms
Cleaning Powder

Whiter Teeth for a Brilliant Smile

Fresh lemon flavored Cleaning Powder removes stains, plaque, and calculus quickly and effectively. Put a shine on your clients’ smiles with Cleaning Powder.

Features

• Cleaning powder tastes like fresh lemon
• Humidity-resistant sodium bicarbonate content
• Quickly removes persistent plaque and stains
Perio-Mate Biofilm Eraser

Perio-Mate is used in the treatment of periodontal pockets and peri-implantitis. Avoiding injury to the soft tissues and root surfaces inside delicate periodontal pockets during cleaning procedures is crucial. The Perio-Mate’s ultrafine water spray and glycine-based Perio-Mate Powder team up to gently eradicate biofilm in periodontal pockets in just 20 seconds. Thanks to years of experience in analyzing fluid dynamics gained while developing its turbine technology, NSK has devised a safe and supremely efficient spray pressure method that enables fast, precise removal of plaque biofilm from subgingival areas.

Advantages
- NSK’s innovative nozzle tip
- Precise, flawless powder flow
- Maintenance
- Powder Control Ring
- Slim nozzle design
- Smooth 360° rotation

NSK’s innovative nozzle tip
NSK’s new nozzle tip design incorporates semitransparent materials that promote greater visibility during procedures. Hygienic single use tips mean enhanced usability and safety.

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.

Optimized nozzle design based on fluid analysis ensures flawless powder flow in the pocket
NSK’s analysis of fluid dynamics gained through years of experience in developing turbine technology fully takes into account how a clinician must maneuver in the limited space inside the pocket.

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 Control Ring
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 uninterrupted.

Maintenance
The nozzle with its nozzle tip, handpiece and powder chamber can be easily dismantled for cleaning and decontamination.
Perio-Mate **Biofilm Eraser**

**Perio-Mate Complete System**

- **NSK** MODEL: PER-PTL-P ORDER CODE: Y1002654
- **KaVo®** MODEL: PER-KV-P ORDER CODE: Y1002655
- **Sirona®** MODEL: PER-SR-P ORDER CODE: Y1002656
- **W&H®** MODEL: PER-WH-P ORDER CODE: Y1002657
- **Bien-Air®** MODEL: PER-BA-P ORDER CODE: Y1002658
- **M4** MODEL: PER-M4-P ORDER CODE: Y1002659
- **B2** MODEL: PER-B2-P ORDER CODE: Y1002660

Contents
- Handpiece
- Powder case
- Nozzle tip (40 pcs)
- Maintenance kit

**Perio-Mate Nozzle Tip**

MODEL: Perio-Mate Nozzle Tip ORDER CODE: Y1002741

- 40 pcs per pack

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**Perio-Mate Powder**

Powder for subgingival treatment using air-polishing devices

**Reduction of bacteria**

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

**For protective tooth cleaning**

- Twenty seconds per tooth (five seconds per side) is ideal for removing biofilm from within the pockets.
- To be used for peri-implantitis within 5 mm of the area affected by gingivitis. (For maintenance in cases of periodontitis and peri-implantitis therapy after initial treatment is completed; for periodontal pockets up to 5 mm in depth only.)

Protocol cases are available on request, and can also be found on our website, www.nsk-inc.com.

**Glycine-based**

**Mean particle size < 25µm**

**MODEL** Perio-Mate Powder ORDER CODE: Y900938

- 4 bottles packed in a box
- Each bottle contains 100 g

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Do not wash the powder case or the powder case's cap in a thermo-disinfector. The handpiece can be washed in the thermo-disinfector and autoclavable up to 135°C.