

ORAL HYGIENE

Create it 

ORAL HYGIENE

NSK

Advanced oral care for dentists and hygienists

Removal of calculus and biofilm below and along the gum line together with tooth cleaning and polishing.
Significantly improves the results of periodontal treatment.
NSK’s wide range of oral hygiene products satisfies all these scenarios.
To maintain teeth in a healthy condition over a long period which is of great importance for patients.
NSK supports your daily clinical practice with effective and comfortable to use professional oral care equipment such as our high-performance ultrasonic and powder devices.

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32 reasons to buy the Varios Combi Pro2

After listening to the needs of a broad range of dental professionals - we've crafted a combi-device that delivers the advanced functionality clinicians really want.

Combining subgingival and supragingival powder therapy, with ultrasonic scaling for periodontal treatment, the Varios Combi Pro2 is designed for ease of use, adapting to your preferred treatment style.

Born from NSK's wide range of experience and research, the Varios Combi Pro2 provides the professional care you have come to expect from NSK. With its durability and effortless maintenance, it is your perfect 'daily driver,' helping you perform routine dental work smoothly and efficiently - without interruptions.

With NSK by your side, you have the tools to perform at your very best - providing smooth, efficient care, from prevention to treatment, for every patient, every time.

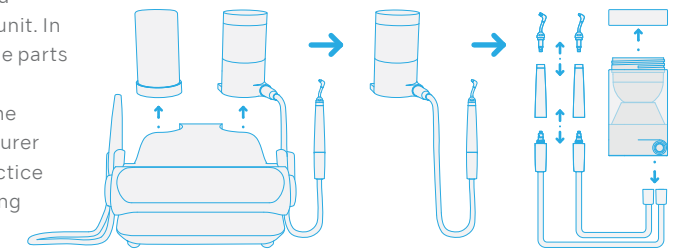


Constant availability



Independent unit & chamber

With the Varios Combi Pro2, all the powder guiding lines (powder chamber, hose, and handpieces) are separate from the main unit. In the unlikely event of powder clogging, the parts can easily be detached by hand. There is generally no need to dismantle or send the entire device to the supplier or manufacturer for repairs or part replacement. Your practice can therefore keep running and generating income - without interruptions.



The main unit's interior features a design based on a smart concept: having air and water circuits only.



No routine servicing required

As the Varios Combi Pro2 is designed for easy care and upkeep by you, regular maintenance by your local NSK service provider is not required. Practice downtime due to maintenance is therefore a thing of the past. Should the need arise, our friendly support team is always available.

Easy care



CLM mode

Cleaning the water circuit inside the unit is simple, using our b.clean solution and CLM mode setting, making the Varios Combi Pro2 compliant with European reprocessing requirements. As an additional built-in safety mechanism, the unit is set to disable regular use, until the chemical solution is fully drained.



Auto-cleaning Powder



Auto-cleaning Powder



Auto-cleaning Ultrasonic Scaler



Auto-cleaning Dual



Auto-Cleaning

The Varios Combi Pro2, has four auto-cleaning modes that can be run (as appropriate) after each patient session, or at the end of the day.

These avoid the need for a multitude of tools, while reducing the risk of powder clogging and water accumulation. They also keep the inside of the device clean at all times.



Patient comfort



Water heating system

The Varios Combi Pro2 is equipped with a water circuit heater for both the ultrasonic scaler and the powder handpieces. With the temperature of the injected water being approximately the same as that of the oral cavity - greater comfort for a wide range of patients is ensured, even those with sensitivity.

Ultrasonic scaler

Made to last. Comfortable to use.

At NSK we do not compromise on quality. Our ultrasonic scaler handpiece offers great user-friendliness, comfort, durability, convenience, accessibility, and visibility.

Our Varios Combi Pro2 is equipped with our world-first ultrasonic scaler handpiece - made from pure titanium: heat and chemical resistant, and able to withstand multiple reprocessings and autoclave sterilisations.

In addition, to ensure great grip and stability, our scaler handpiece is finished with the highly regarded **DURAGRIP**, used in NSK's premium handpiece range.

This elegant, durable, well-balanced and lightweight scaler is comfortable to use, with long lasting performance.

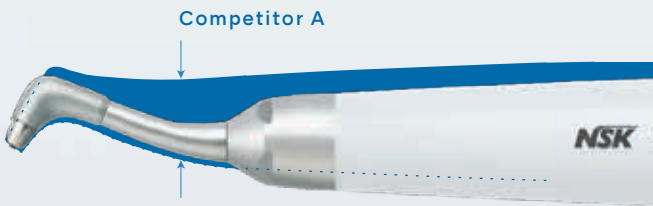


Powder therapy

Slim, exchangeable nozzles.

Our powder handpieces and nozzles are designed to make your work easier and more efficient:

- Accessing the molar region is easier with the long, narrow nozzles.
- You'll experience excellent visibility and maneuverability within the oral cavity with the slim handpieces and nozzles.
- A wide operating field can be ensured on the lingual aspect without opening the lips wider than necessary on the buccal side.
- The nozzles are fully replaceable right at the chairside, making maintenance and repairs hassle-free.



Jet Nozzle for perio powder handpiece

In response to clinicians' demand, we've developed a Jet Nozzle for the Perio Handpiece - to be used in supragingival treatment. In addition to the previous Perio Nozzle, it is now possible to precisely target the appropriate area with this Jet Nozzle. These two types of perio nozzles can be interchanged depending on the desired application.

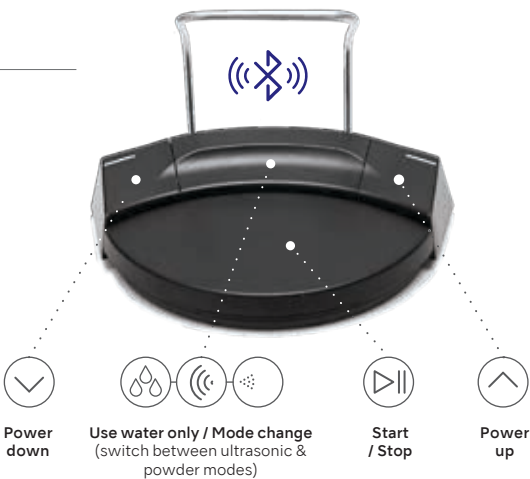


Operability

Wireless multi-function foot-control

Position the foot-control where it is most optimal for you, without concern for any limiting cords / cable lengths.

The Varios Combi Pro2 foot-control connects via Bluetooth®, and enables carefree and convenient operation using its multi-function control options - so you can concentrate fully on the treatment at hand.



iCart Prophy2 with water bottle kit*

Our specialised cart brings a new dimension of user-friendliness and convenience.

It can be fitted with an independent water-supply system; therefore, combining the Varios Combi Pro2 with the iCart Prophy2, enables you to treat patients in environments where external water availability or quality is a concern.



Basic set



| OPTIC | MODEL | ORDER CODE |
|---|-----------------------------|------------|
| ● | Varios Combi Pro2 Basic Set | Y1500505 |
| Contents: <ul style="list-style-type: none">• Varios Combi Pro2 Control Unit• VA2-LUX-HP Ti• VA2-LUX-SC Ti• Prophy-Chamber2 • Prophy-Hose2• Powder Handpiece (Prophy)• Wireless Foot Control• Hanger • Air Hose • Water Hose• Power cord• Irrigation Bottle Set • CLM Bottle Set• Ultrasonic Scaler Tips• FLASH pearl powder (300g) Specifications: <ul style="list-style-type: none">• Dimensions: W 249 x D 290 x H 115 mm• Weight: 3.5 kg• Power source: AC 220 - 240 V 50/60 Hz• Drive frequency (ultrasonic): 28 - 32 kHz• Maximum output (ultrasonic): 11 W | | |

Optional



| MODEL | ORDER CODE |
|-------------|------------|
| Prophy Kit2 | Y1500469 |

Contents:

- Prophy-Chamber2
- Prophy-Hose2
- Powder Handpiece (Prophy)
- FLASH pearl powder (300g)

* Included in the Varios Combi Pro2 Basic set.



| MODEL | ORDER CODE |
|------------|------------|
| Perio Kit2 | Y1500470 |

Contents:

- Perio-Chamber2
- Perio-Hose2
- Powder Handpiece (Perio)
- Perio Mate Nozzle Tip 40pc
- Nozzle tip remover
- Perio Mate Powder (160g)



| MODEL | ORDER CODE |
|---------------|------------|
| iCart Prophy2 | S9098 |

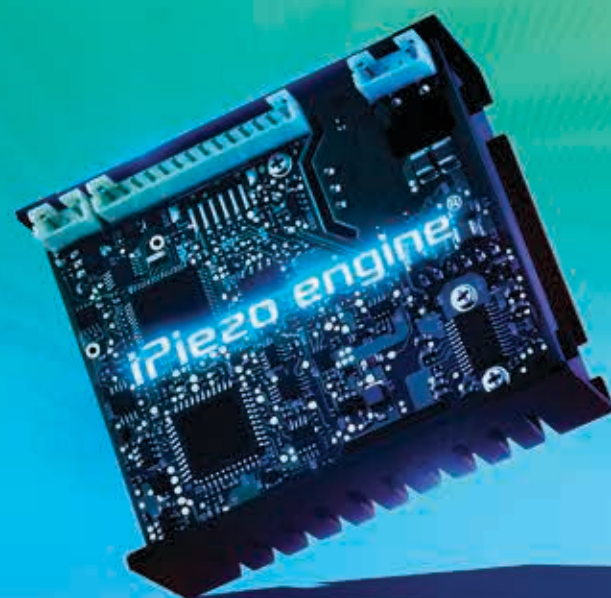
Specifications:

- Dimensions: H 840 mm
- Weight: 16 kg

iPiezo engine®

The unique ultrasonic AI engine responds intelligently to tooth surface conditions

"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 ultrasound 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.



Fitted with the next-generation ultrasonic AI engine, the iPiezo engine®

NSK's unique high-performance ultrasonic iPiezo engine allows for smooth operation as it transmits the operator's movements to the tip.

Feedback Function

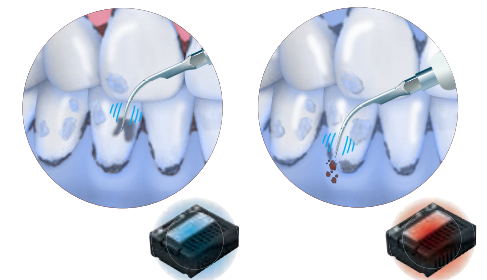
The NSK iPiezo engine supplies the appropriate power to the tip depending on the condition of the tooth surface. iPiezo engine provides a stable frequency output without dropping the power, even when removing hard calculus.

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.

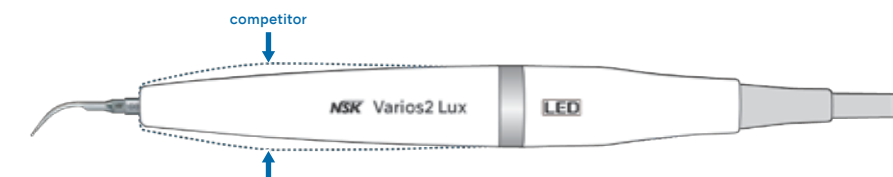
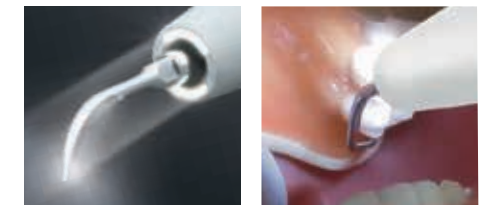
Allows for steady scaling

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.



LED A slim highly-ergonomic LED handpiece

The ø9.5 mm slim tip of the Varios2 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.



Autoclave sterilisation and thermo-disinfection are both possible, delivering high safety standards

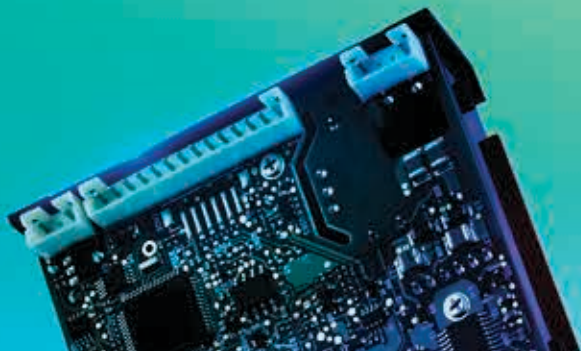


Sterilisation Case

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

Varios Series Be Smart.

NSK offers a wider range of progressively intelligent ultrasonic treatments with our unique next-generation AI engine and 70 varieties of tips



Varios 970

Multifunction Portable Unit for Extreme Versatility

The smart compact design provides high-performance

The functionality required for ultrasonic applications is available in the most-advanced model in our compact series, the Varios 970. Our high-capacity 2 bottle system allows users to focus on safe treatment without worrying about water irrigation. Simple daily maintenance with auto rinse function and seamless body design. Through intensive study of user feedback we have managed to achieve high operability and safety.

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.



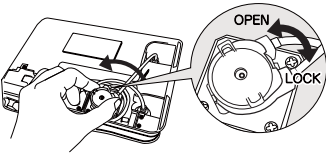
Auto Cleaning Mode

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.



Easy Replaceable Irrigation Pump

As you are able to replace the components of the irrigation system yourself, most issues can be dealt with on site.



Varios 970 Complete Sets

| Optic | MODEL | ORDER CODE |
|-------|-------------------|------------|
| ● | VA970 LUX 230V S1 | Y1004161 |
| — | VA970 230V S1 | 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 • Sterilisation case

Specifications
 • Power supply : AC 230 V 50/60 Hz
 • Frequency : 28-32 kHz
 • Max. output : 11 W (G mode)
 • Dimensions : W 160 x D 270 x H 190 mm (Including bottle)
 • Unit weight : 2.1 kg (Except attachment)
 • Bottle volume : 400 mL (x2 bottles)



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 (G4, G6, G8) • 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)

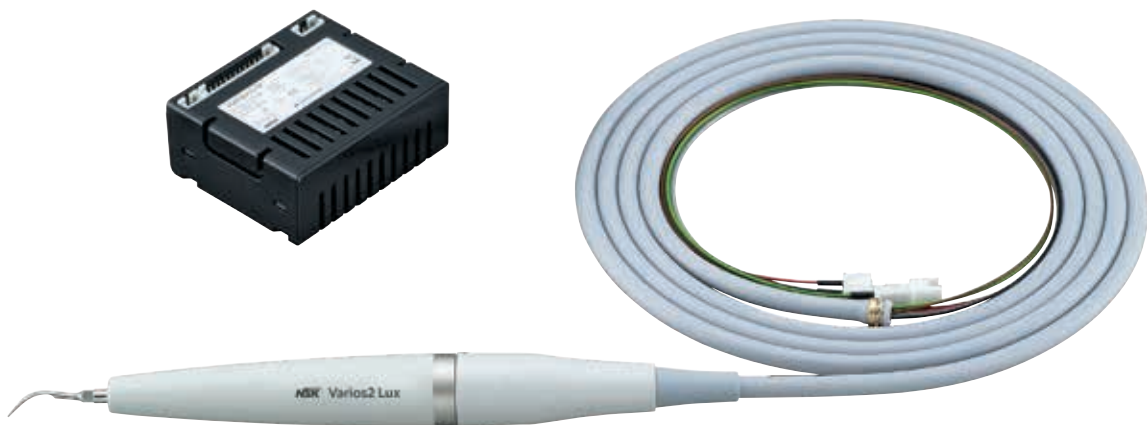


Varios 170

Integrated Multi Function Ultrasonic Scaler

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 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.



Varios 170 Complete Sets

| Optic | MODEL | ORDER CODE |
|-------|-------------------|-----------------|
| ● | VA170LUXS8 | Y1004145 |
| — | VA170S8 | Y1004144 |

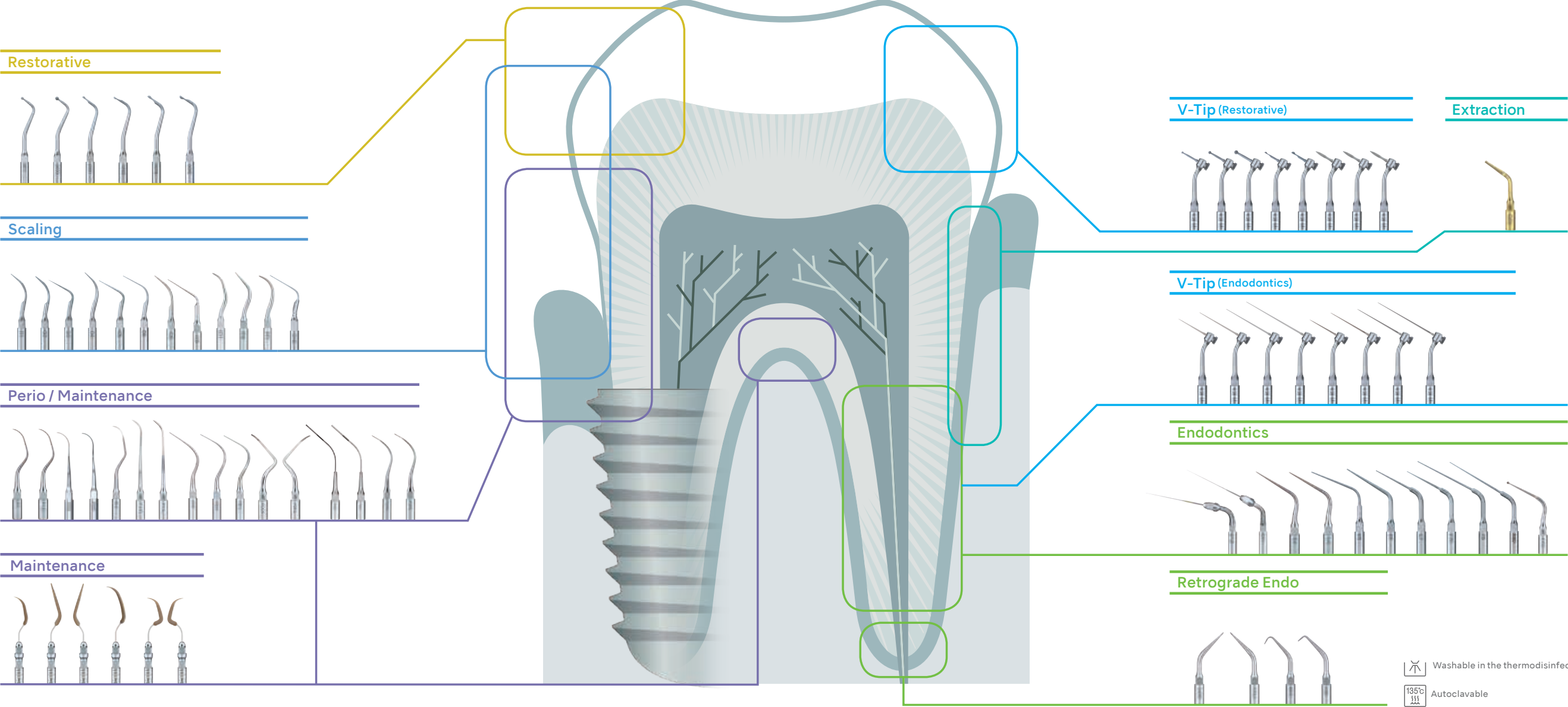
Contents
• Built in module • Handpiece • Handpiece cord • 3 Scaling tips (G4, G8, G16)
• 3 x Tip replacement wrench with torque limiter • Sterilisation case

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

Tip Variation










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










There is a wide range of tip line up that can be selected by case and the state of the adhesive material.



Scaling / Perio tip cross section & characteristics of the tip types

Varios tips have distinct appearances, and also different cross-sections, component materials and surface finishes. The tip is selected by case and the state of the adhesive material. This makes for effective use without undue impact on the tooth surface or soft tissue.

| Cross-section / tip | Material / tip end | Results of scaling treatment | Kind to teeth | For |
|---|-------------------------|---|---|---|
|  G1, G5, G6 G8, G9, G16 | Metallic mirror finish |  |  | Scaling at and below the gumline |
|  P1, P20 P21R/L, P25R/L | Metallic mirror finish |  |  | Stain removal at and below the gumline / maintenance |
|  P1D, P2D, P3D | Metal diamond machining |  |  | Scaling below the gum line (adjacent surface / bifurcation) |

| Cross-section / tip | Material / tip end | Results of scaling treatment | Kind to teeth | For |
|--|---|---|---|---------------------------------|
|  P10 P11R/L, P26R/L | Metallic sharp edge |  |  | Scaling below the gumline |
|  P40, P41 | Metallic, lateral tip, two point water irrigation |  |  | Irrigation |
|  V-P10, V-P11R/L V-P12, V-P26R/L | Plastic |  |  | Prosthetic repair work Implants |

See
Tip Guide
for details.



Ti-Max S970 Air Scalars

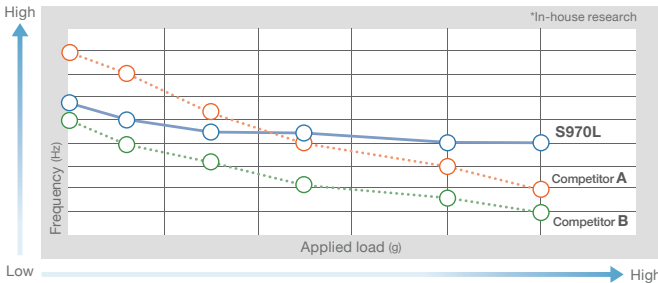
Air Scaler Evolution Supporting a Broad Spectrum of Care

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, sleek and 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.



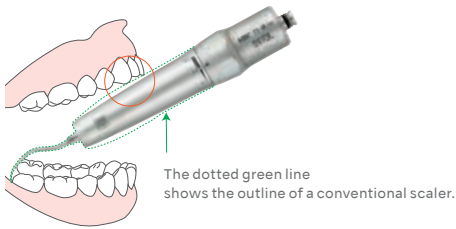
Steady power supply to the tip

S970 air scalars provide stable power output and constant oscillating movement across the entire power range at approximately 6,000Hz. S970 air scalars 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.






- Titanium Body with Scratch Resistant DURACOAT
- 3 level Power Ring • Cellular Glass Optics

| Applications | Tips | Power Ring Setting | | |
|--|--|-------------------------------------|---|---|
| | | 1 | 2 | 3 |
| Scaling | S1, S2, S3 | [Blue arrow indicating full range] | | |
| Perio | S10, S20, S21R, S21L | [Purple arrow indicating range 1-2] | | |
| Perio (Maintenance Tip) | S35+V-Tip (V-P10, V-P11R, V-P11L, V-P12) | [Purple arrow indicating range 1-2] | | |
| Restorative (For Preparation of crown cores) | S81D, S82D, S83D, S86D, S71D, S72D | [Teal arrow indicating range 1-2] | | |
| Restorative (For Minimal Intervention) | S65D, S66D, S67D, S68D | [Yellow arrow indicating range 1-2] | | |
| V-TIP SYSTEM (Endodontics) | S75+V-Tip (V-U15-V-U35) | [Blue arrow indicating range 1-2] | | |

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

Coupling Lineup

| | NSK | | KaVo® | Dentsply Sirona® |
|------------|---|-------|---|---|
| MODEL | S970L | S970 | S970KL | S970SL |
| ORDER CODE | T1005 | T1020 | T1013 | T1015 |
| Optic | ● | — | ● | ● |
| COUPLINGS |  NSK Coupling | |  KaVo® Multiflex® |  Sirona® Quick Coupling |



- Contents**
• 3 tips (S1, S2 & S3) • Tip wrench (CR-20) • Tip cover (L)

 Washable in the thermodisinfectors  Autoclavable

AS2000 Air Scalars

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

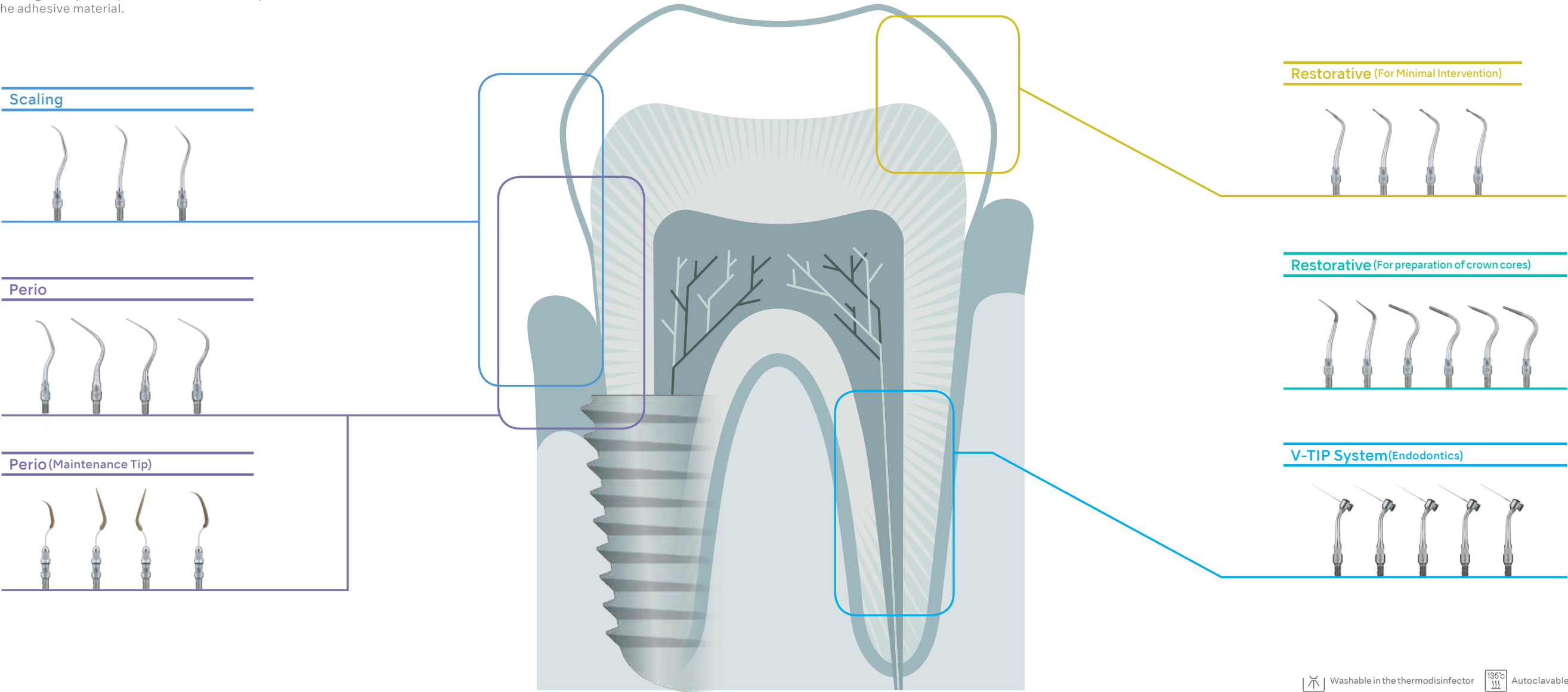


| Optic | MODEL | ORDER CODE |  |
|---------------------------------------|--------------------|-------------|---|
| — | AS2000 M4 | T698 | |
| • For Midwest 4 hole • Weight : 67 g | | | |
| Optic | MODEL | ORDER CODE |  |
| — | AS2000 B2/3 | T697 | |
| • For Borden 2/3 hole • Weight : 64 g | | | |

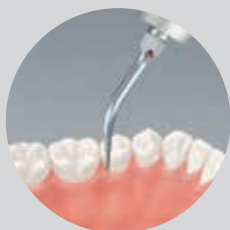
Tip Variation

NSK Offers A Wide Choice of Air Scaler Tips For Clinical Applications

There is a wide range of tip line up that can be selected by case and the state of the adhesive material.



Scaling



Removal of sub gingival calculus

Perio

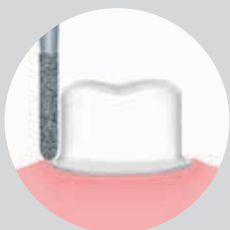


Removal of gingival biofilm

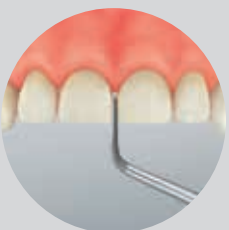


Maintenance of prostheses and implants

Detailing and finishing



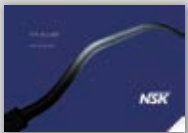
Used for the final finish margins



Preparation of interproximal areas

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. The torpedo shaped tip is suitable for the final formation of an adjacent surface margin such as for laminated veneers. Low risk of excessive grinding and dentin exposure enables more conservative formation of the adjacent surfaces.



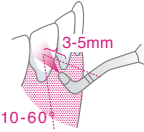




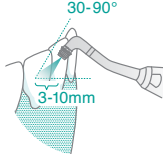
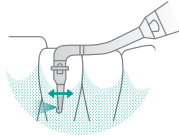
See
Tip guide
for details.



Powder Therapy

For long lasting, beautiful and healthy teeth

NSK powder therapy enables non-contact cleaning even in locations where deposits can't be removed as direct contact equipment tips, such as scalers, cannot reach them. Wide-ranging usability above and below the gumline, together with extensive powder discharge minimises clean-up of biofilm or plaque spillages. Considerably reduces chair time whilst increasing effectiveness. Comfortable for the operator and for the patient.

| Solution | For | At | By | With |
|--|------------------|---|---|--|
| <div>Prophy-Mate neo</div> <div></div> <div>Removal of stains & plaque Removal of biofilm</div> | Natural tooth | <div></div> <div>Supragingival</div> | <div></div> <div>Supragingival</div> | <div></div> |
| <div>Varios Combi Pro2</div> <div></div> <div>Removal of plaque Removal of biofilm</div> | | | <div></div> <div>Supragingival</div> | <div></div> |
| <div>Perio-Mate</div> <div></div> | Natural tooth | <div></div> <div>Supragingival (Gingival margin)</div> | <div></div> <div></div> | <div></div> |
| | Prosthetic tooth | <div></div> <div>Subgingival</div> | <div></div> | |

FLASH pearl

Cleaning Powder

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 stains. 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 Pro2, 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.

Fast cleaning in tight spaces

The nozzle is held close to the tooth surface at an angle close to horizontal (10° to 60°) and maneuvered in an intricate motion as if the powder is moving across the tooth surface. The wide discharge angle and freer range of discharge motion allow for smooth operation and contribute to improved treatment efficiency.

☆ Please do not apply directly to the gumline.

Zero salinity, gentle ingredients with low impact on patients

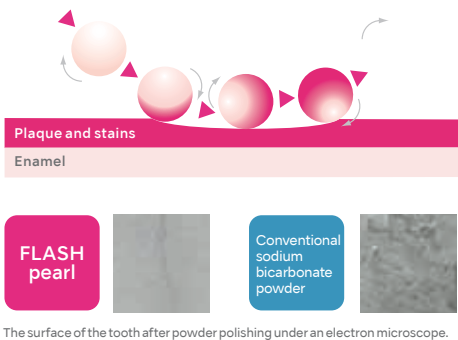
As the powder is composed of 94% calcium carbonate, it is not unpleasant for your patients and absent in any salt-like taste. There’s no need to worry about patients on restricted salt diets.

Clogging is also minimised

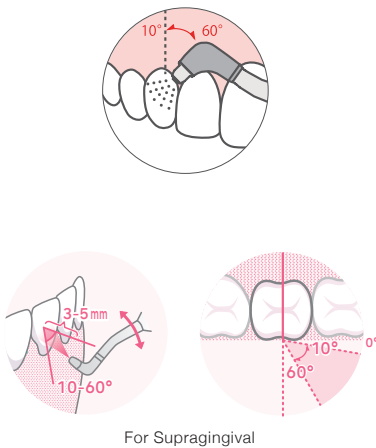
The fine powder particles don’t dissolve easily in water so clogging is reduced. Maintenance of equipment is easy as there is less powder build-up inside instruments.

Features

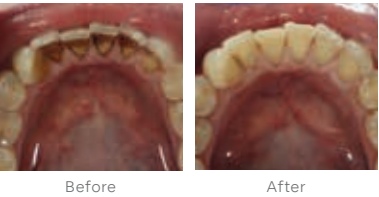
- Supragingival application
- Principal ingredient is calcium carbonate. Non-flavoured.
- For all grades of stain and discolorations; with special efficiency in strong stains
- Sodium-free, so no unpleasant salty taste and ideal for patients on sodium-restricted diets
- Spherical granules are gentle on tooth surface



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



Average particle size: 54 μm



| 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



| MODEL | ORDER CODE |
|-------------|------------|
| FLASH pearl | Y900693 |

- Stylishly packaged in a handy, original box
- Contains 100 x 15 g sachets

SOFT pearl

Cleaning Powder

Optimised Powder Action for Mild to Moderate Stains

Effective against mild to moderate stains. Powder particles are optimised for ideal, time-delayed water solubility. The powder should not dissolve too quickly in water or high humidity, yet must dissolve completely when disposed of through dental chairs to prevent blockage of amalgam separators or wet suction.

For supragingival application.



The powder consists of particles which are kind to the tooth surface

The Supragingival powder consists of tiny particles that roll across the tooth surface gently and quickly removing stains and plaque. Powder particles are optimized for ideal, time-delayed water solubility.

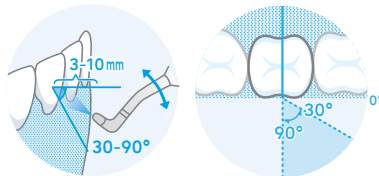
The powder should not dissolve too quickly in water or high humidity, yet must dissolve completely when disposed of through dental chairs to prevent blockage of amalgam separators or wet suction.

Average particle size: 65µm



A reliable design that is resistant to powder clogging

Clogging is reduced as the powder particles are extremely fine and water-soluble. This reduction in internal powder clogging significantly improves reliability.



For Supragingival

Features

- Supragingival application
- Principal ingredient is glycine, an amino acid present in proteins.
- Effective for mild to moderate staining.
- Suitable for heavy users employing an amalgam separator or wet suction.
- Can be used on primary teeth ("milk teeth").
- Does not necessarily require polishing after treatment.
- Pleasant, neutral-sweet taste
- Vegan friendly: fluoride free



Before

After



| MODEL | ORDER CODE |
|---------------------|------------|
| SOFT pearl (Bottle) | Y1500721 |

- 4 bottles packed in a box
- Each bottle contains 250g

Perio Mate Powder

Cleaning Powder

Gentle, Effective Cleaning for Sensitive Areas

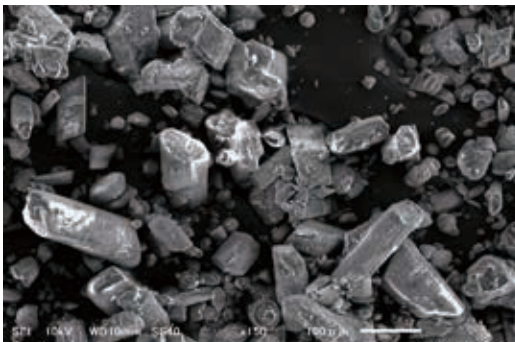
Perio Mate Powder is very gentle on the tooth surface and in the subgingival biofilm (periodontitis - peri-implantitis). It is highly water-soluble to prevent subgingival retention, and it also gently cleans restoration materials and facilitates comfortable treatment on exposed root surfaces.

For supragingival and subgingival application.



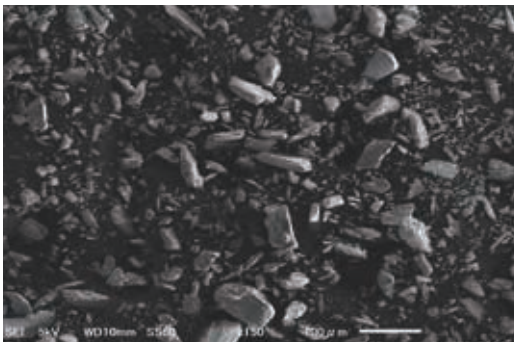
Powder particle comparisons

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 \times



Perio Mate Powder (glycine)

Average particle diameter: 25 μm
Scanning electron microscope image
magnification of 150 \times

Conventional sodium bicarbonate powder

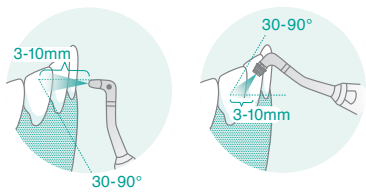
73 μm

25 μm

Perio Mate Powder (glycine)

Features

- Subgingival application
- Principal ingredient is glycine, an amino acid present in proteins
- Highly water soluble to prevent subgingival retention

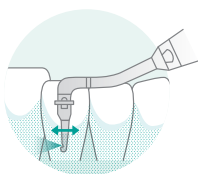


For Supragingival



Before

After



For Subgingival



| MODEL | ORDER CODE |
|-------------------|------------|
| Perio Mate Powder | Y900938 |

Contents
• Two bottles (160 g each)

Prophy-Mate neo

Air Powered
Tooth Polishing System

Prophy-Mate neo, the best polishing tool for beautiful white teeth

Supragingival powder polishing is highly effective when used in combination with "FLASH pearl" and "SOFT 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.



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.



Coupling Lineup

| | NSK | KaVo® | Dentsply Sirona® | W&H® | Bien Air® | M4 | B2 |
|------------|---|---|---|---|--|---|--|
| MODEL | PMNG-PTL-P | PMNG-KV-P | PMNG-SR-P | PMNG-WH-P | PMNG-BA-P | PMNG-M4-P | PMNG-B2-P |
| ORDER CODE | Y135029 | Y135030 | Y135031 | Y135032 | Y135033 | Y135034 | Y135035 |
| COUPLINGS |  NSK Coupling |  KaVo® Multiflex® |  Sirona® Quick Coupling |  W&H® Roto Quick® |  Bien Air® UNIFIX® |  Connect direct to the handpiece tubing MIDWEST |  Connect direct to the handpiece tubing BORDEN |

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

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



The handpiece can be washed in the thermodisinfectant



Autoclavable

Perio-Mate Biofilm Eraser

Extensive range of applications ranging from supragingival to subgingival use

By removing the Perio Mate Nozzle Tip, the subgingival area up to 3 mm from the gum line that requires the most frequent maintenance can be treated. In addition, there is a powder flow rate adjustment function to match operational site conditions, to enable a wide range of possible treatments from fast precise removal of biofilm to gentle and efficient biofilm removal around implants and in the delicate periodontal pocket.



Powder Pro Care, Above And Below The Gums

Efficient professional care that's kind to teeth.
It is easy to install powder therapy alongside existing facilities.

- The "handy type" can be connected to the chair unit during use in one action.
- The nozzle tip is designed for safety and operability.
- The powder flow channel is short and direct with low risk of blockage.
- Fast and effective biofilm removal.

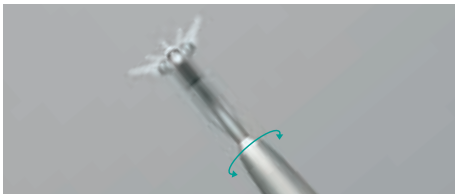
Powder flow volume adjustment

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.



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.



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.










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.



Coupling Lineup

| | NSK | KaVo® | Dentsply Sirona® | W&H® | Bien Air® | M4 | B2 |
|------------|---|---|---|---|--|---|--|
| MODEL | PER-PTL-P | PER-KV-P | PER-SR-P | PER-WH-P | PER-BA-P | PER-M4-P | PER-B2-P |
| ORDER CODE | Y1002654 | Y1002655 | Y1002656 | Y1002657 | Y1002658 | Y1002659 | Y1002660 |
| COUPLINGS |  NSK Coupling |  KaVo® Multiflex® |  Sirona® Quick Coupling |  W&H® Roto Quick® |  Bien Air® UNIFIX® |  Connect direct to the handpiece tubing MIDWEST |  Connect direct to the handpiece tubing BORDEN |

Contents
• Handpiece • Powder case • Nozzle tip (40 pcs) • Maintenance kit • Perio Mate Powder 160 g x1

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

 The handpiece can be washed in the thermosinfectant

 Autoclavable



Supragingival

Removal of plaque biofilm from the gingival margin
(up to approximately 3 mm inside the pocket) *Detach nozzle tip

Removal of plaque biofilm at interdental and gingival margin



Before



In use

- Easier to remove biofilm plaque and minor stain around supragingival and gingival margin.
- Enable to remove plaque and biofilm from crowded dentition, interdental and pit and fissure, where hardly accessed with lubber cups.
- Removal of minor stain attached extensively.
- Cleaning around dental implants and prosthetic restorations.
- Less of burden to teeth and gums due to non-contact method.



Subgingival

Erasing biofilm in periodontal pocket
from 3 - 6 mm below the gingival margin

Removal of biofilm in dental pocket



Before



In use

- Deposits can be removed without direct contact with almost none of the extensive biofilm and plaque adhesion remaining and the results are effective. It is possible to clean areas the tip cannot reach with the powder injection effect.
- Optimised the flow of powder based on fluid analysis.
- Compared to other maintenance equipment, less biofilm and plaque remains with wide powder dispersal, even in areas that cannot be seen.
- Smooth powder injection ensures gentle treatment in the periodontal pocket.
- Flexible plastic nozzle tip design ensures accessibility and is gentle to the pocket.

Performance & Technology

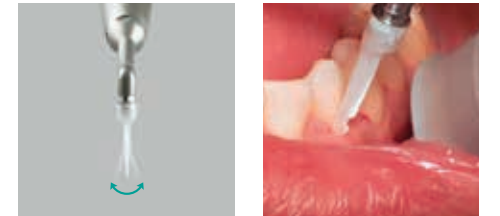
NSK's innovative nozzle tip

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



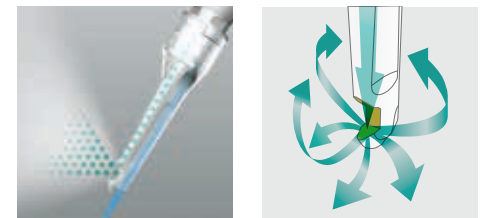
Flexible plastic nozzle tip design ensures accessibility and is gentle to the pocket

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.



Optimised 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.



Perio Mate Nozzle Tip

- Disposable
- Sterile
- Individually packaged

| MODEL | ORDER CODE |
|---------------------------------|------------|
| Perio Mate Nozzle Tip | Y1002741 |
| Contents • 40 nozzles | |



iProphy Cordless Polishing Handpiece

Put The Control Back in Your Hands.

With no foot control, the cordless iProphy from NSK gives you maximum freedom and stability for smoother polishing and greater control. Take your clinical practice to the next level by improving your performance day after day.



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.

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.



Simple head switching

Simple head switching using the quick joint system. In addition, operability is vastly improved because the head can be positioned in six different angles to best suite different procedures and easily access all areas of the oral cavity.



iProphy Head

| MODEL | ORDER CODE |
|--------------|--------------|
| iFX57 | C1102 |

• For Prophy • For screw-in type • 4:1 Reduction



| MODEL | ORDER CODE |
|-------------|-------------|
| PR-F | H209 |

• For disposable prophy angle • 4:1 Reduction



iProphy Complete Sets

| 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



Contra-angles

Prophylaxis Handpiece



EVA tip polishing

Ti-Max X



| Optic | MODEL | ORDER CODE |
|-------|-------|------------|
| ● | X55L | C608 |
| — | X55 | C618 |



With tip lock mechanism

- 4:1 Reduction • Max Speed : 10,000 min⁻¹
 - Titanium body & DURAGRIP
 - For Profin Tip / EVA Tip / Orthodontics File (Shank ø2.36-2.40 mm)*
 - Vertical Reciprocating (Stroke Length 1.4 mm) • Single Spray
- *Metallic shank cannot be used.

FX series



| Optic | MODEL | ORDER CODE |
|-------|-------|------------|
| — | FX55m | CA13160001 |



Paste defence system

- Max speed : 10,000 min⁻¹
 - For Profin Tip / Eva Tip / Orthodontics File (Shank ø2.36-2.40 mm)*
 - Vertical Reciprocating (Stroke Length 1.4 mm)
- *Metallic shank cannot be used.

EX series



| Head | MODEL | ORDER CODE |
|-------|-------|------------|
| EVA-Y | C235 | |

- Max speed : 10,000 min⁻¹ • Eva tips
- Vertical reciprocating (stroke length 1.4 mm)

| Shanks | MODEL | ORDER CODE |
|--------|---------|------------|
| ER4 | C634 | |
| ER4M | C634002 | |

- 4:1 Reduction

Screw cup polishing

Ti-Max X



| Optic | MODEL | ORDER CODE |
|-------|-------|------------|
| ● | X57L | C609 |
| — | X57 | C619 |



Special dust proof

- 16:1 Reduction • Max speed : 2,500 min⁻¹
- Titanium body & DURACOAT • Screw-in cups and brushes
- 360° rotation

FX series



| Optic | MODEL | ORDER CODE |
|-------|-------|------------|
| — | FX57m | C1054001 |



Paste defence system

- 4:1 Reduction • Max speed : 2,500 min⁻¹ • Stainless steel body
- Screw-in cups and brushes • 360° rotation



| Optic | MODEL | ORDER CODE |
|-------|-------|------------|
| — | FX58m | CA13210001 |



Paste defence system

- 4:1 Reduction • Max speed : 2,500 min⁻¹ • Stainless steel body
- Snap-on Cups and Brushes • 360° rotation



| Optic | MODEL | ORDER CODE |
|-------|-------|------------|
| — | FX50m | HA12050001 |

- 4:1 Reduction • Max speed : 2,500 min⁻¹
- Stainless steel body • Disposable prophy head

EX series



| Heads | MODEL | ORDER CODE |
|----------|-------|------------|
| AR-Y (S) | C187 | |

- Max speed : 5,000 min⁻¹
- For screw-in cups and brushes
- 360° rotation

| MODEL | ORDER CODE |
|----------|------------|
| AR-Y (K) | C188 |

- Max speed : 5,000 min⁻¹
- For snap-on cups • 360° rotation

| Shanks | MODEL | ORDER CODE |
|--------|---------|------------|
| EC-30 | C100008 | |

| | |
|--------|---------|
| EC-30M | C100007 |
|--------|---------|

- 1:1 Direct Drive


















| MODEL | ORDER CODE |
|-------|------------|
| ER4 | C634 |


















| | |
|------|---------|
| ER4M | C634002 |
|------|---------|















- 4:1 Reduction

Spare Parts










Varios Combi Pro2









| MODEL | PRODUCTS | ORDER CODE |
|--|---|------------|
| Prophy-Chamber2 |  | UA14220001 |
| Perio-Chamber2 |  | UA14230001 |
| Prophy-Hose2 |  | TA23120001 |
| Perio-Hose2 |  | TA23160001 |
| Irrigation Bottle 400mL bottle only |  | UA14240100 |
| CLM Bottle 400mL bottle only |  | UA14300100 |
| Bottle Lid For VCP2/CLM Bottle |  | UA14240101 |
| Irrigation Bottle Set 400mL bottle, lid, gasket |  | UA14240001 |
| CLM Bottle Set 400mL bottle, lid, gasket |  | UA14300001 |
| Powder Handpiece For Prophy use |  | T1074001 |
| Powder Handpiece For Perio use |  | T1077001 |
| FC-83 Wireless foot control |  | ZF16020001 |
| Nozzle For Prophy use |  | T1074012 |
| Nozzle For Perio use |  | T1077012 |
| Jet Nozzle For Perio use |  | TA10770106 |
| Air Hose 3.6m with label |  | UA14210250 |
| Water Hose 3.6m with label |  | UA14210227 |









| MODEL | PRODUCTS | ORDER CODE |
|--|---|------------|
| VA2-LUX-HP Ti Varios Titanium Handpiece |  | EA1203X050 |
| VA2-LUX-SC Ti Varios Ti Handpiece hose (Only for VCP2) |  | EA1416X061 |
| Spanner Wrench For Water filters and CLM Module(12x14) |  | K133751 |
| Chamber Lid |  | UA14220117 |
| Ring Wrench |  | T1074601 |
| Water filter case |  | UA14210259 |
| Lubrication Oil |  | Z016112 |
| Cleaning Wire (L) |  | T798091 |
| Cleaning Wire (S) |  | T798095 |
| Cleaning File |  | T798092 |
| Cleaning Brush |  | T798093 |
| Perio Mate Nozzle Tip (Pack of 40) |  | Y1002741 |
| Cable Cover |  | ZA16140124 |
| Gasket For Irrigation bottle and CLM Bottle |  | Y1500962 |
| CLA-10 Cleaning Adaptor (for VA2 HP) |  | ZA11900102 |
| CLA-20 Cleaning Adaptor (for VCP Powder HP) |  | ZA11900108 |
| CLM Holder |  | ZA00950103 |

| MODEL | PRODUCTS | ORDER CODE |
|---|---|------------|
| O-ring For ultrasonic handpiece hose |  | Y1003546 |
| O-ring set For VCP2 Chamber Joint |  | Y1500398 |
| O-ring set For powder handpiece hose (chamber side) |  | Y1500741 |
| O-ring set For powder handpiece hose (handpiece side) |  | Y1003500 |
| O-ring set For Prophy/Perio nozzle |  | Y1003501 |
| O-ring Coolant/CLM bottle cap |  | Y1500961 |
| DACA-10 |  | ZA16170001 |
| DACA-30 |  | ZA16210001 |
| O-ring Set For DACA-10 |  | Y1500923 |
| O-ring Set For DACA-30 |  | Y1500925 |
| O-ring For CLA-10 Reprocessing Adapter |  | Y1003546 |
| O-ring Set For CLA-20 Adapter |  | Y1500508 |
| Irrigation Pump |  | U1135079 |
| Nozzle Tip Remover |  | T1043751 |




Varios 970 / 370 / 170

| 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 |
| Handpiece Holder For Varios 370 |  | 10001505 |





| MODEL | PRODUCTS | ORDER CODE |
|---|---|-----------------|
| 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) 2 water supply tube, water filter, water filter case |  | U1007080 |
| Water Supply Tube (2 m) |  | U387580 |
| Water Supply Tube (4 m) For Varios 370 |  | D0914406 040 |
| Water Filter Case |  | Y900069 |
| Tube Ring (Pack of 2) |  | Y900077 |

| MODEL | PRODUCTS | ORDER CODE |
|--|---|-----------------|
| VA Bottle 400 (400 mL) For Varios 970 |  | Z1047002 |
| Irrigation Pump For Varios 970 |  | 10000643 |
| O-ring For Handpiece Cord |  | D0310020 080 |
| O-ring Thin section For VA Bottle 400 |  | D0312090 100 |
| O-ring Thick section For VA Bottle 400 |  | D0310075 150 |
| Varios 350/370 Stand |  | Z254 |
| Varios 350/370 Mounting Bracket |  | Z259 |
| Control Unit Holder For Varios 370 |  | Y1001812 |



Varios Combi Pro2 / Varios 970 / 370 / 170

| MODEL | PRODUCTS | ORDER CODE |
|------------------------------------|---|------------|
| Water Filter |  | U387042 |
| CR-10 Tip Wrench for Varios tip |  | Z221076 |
| E Tip Wrench |  | Z217399 |





Prophy-Mate neo

| MODEL | PRODUCTS | ORDER CODE |
|---|---|-----------------|
| PMN-HP Handpiece with 60° nozzle head |  | T797010 |
| Nozzle 60° |  | T797012 |
| Nozzle 80° |  | T797013 |
| O-ring neo Rear Nozzle |  | D0312029 070 |



Perio-Mate

| MODEL | PRODUCTS | ORDER CODE |
|------------------------------|---|-----------------|
| PER-HP |  | T1043010 |
| Nozzle |  | T1043012 |
| O-ring PER Rear Nozzle |  | D0312023 060 |
| Nozzle Tip Remover |  | T1043751 |



Prophy-Mate neo / Perio-Mate




| MODEL | PRODUCTS | ORDER CODE |
|------------------------|---|-----------------|
| Powder Case Cover |  | T798133 |
| Gasket |  | T798135 |
| O-ring Front Nozzle |  | D0312039 070 |
| Ring Wrench |  | T797601 |





Ti-Max S970 / AS2000 Air Scaler





| MODEL | PRODUCTS | ORDER CODE |
|--|---|------------|
| CR-20 Tip Replacement Wrench with Torque Limiter |  | Z1090001 |
| E Tip Wrench |  | Z217399 |





iProphy



| MODEL | PRODUCTS | ORDER CODE |
|----------------------------|---|------------|
| iProphy Motor handpiece |  | EA11170020 |
| iProphy Stand |  | UA10910020 |




| MODEL | PRODUCTS | ORDER CODE |
|-----------------|---|------------|
| CR-1 Tip Holder |  | Z221080 |
| Tip Cover L |  | Z217850 |
| Tip Cover S |  | Z217851 |




| MODEL | PRODUCTS | ORDER CODE |
|--------------------------|---|------------|
| Blower Nozzle-PTL neo |  | T798094 |
| Blower Nozzle-KV neo |  | T886094 |
| Blower Nozzle-SR neo |  | T887094 |
| Blower Nozzle-WH neo |  | T888094 |




| MODEL | PRODUCTS | ORDER CODE |
|--------------------------|---|------------|
| Blower Nozzle-PTL PER |  | T1042094 |
| Blower Nozzle-KV PER |  | T1044094 |
| Blower Nozzle-SR PER |  | T1046094 |
| Blower Nozzle-WH PER |  | T1048094 |

| MODEL | PRODUCTS | ORDER CODE |
|-------------------------------|---|------------|
| PTL O-ring Set (Pack of 5) |  | Y900580 |
| PM O-ring Set (Pack of 3) |  | Y900054 |
| Lubrication Oil |  | Z016112 |
| Cleaning Wire (L) |  | T798091 |


| MODEL | PRODUCTS | ORDER CODE |
|--------------------------------------|---|------------|
| VA-CASE sterilization cassette |  | Z1035001 |
| Spanner Wrench 5x8 (Pack of 2) |  | Y1001301 |

| MODEL | PRODUCTS | ORDER CODE |
|-------------------------|---|------------|
| Blower Nozzle-BA neo |  | T889094 |
| Blower Nozzle-M4 neo |  | T884094 |
| Blower Nozzle-B2 neo |  | T885094 |

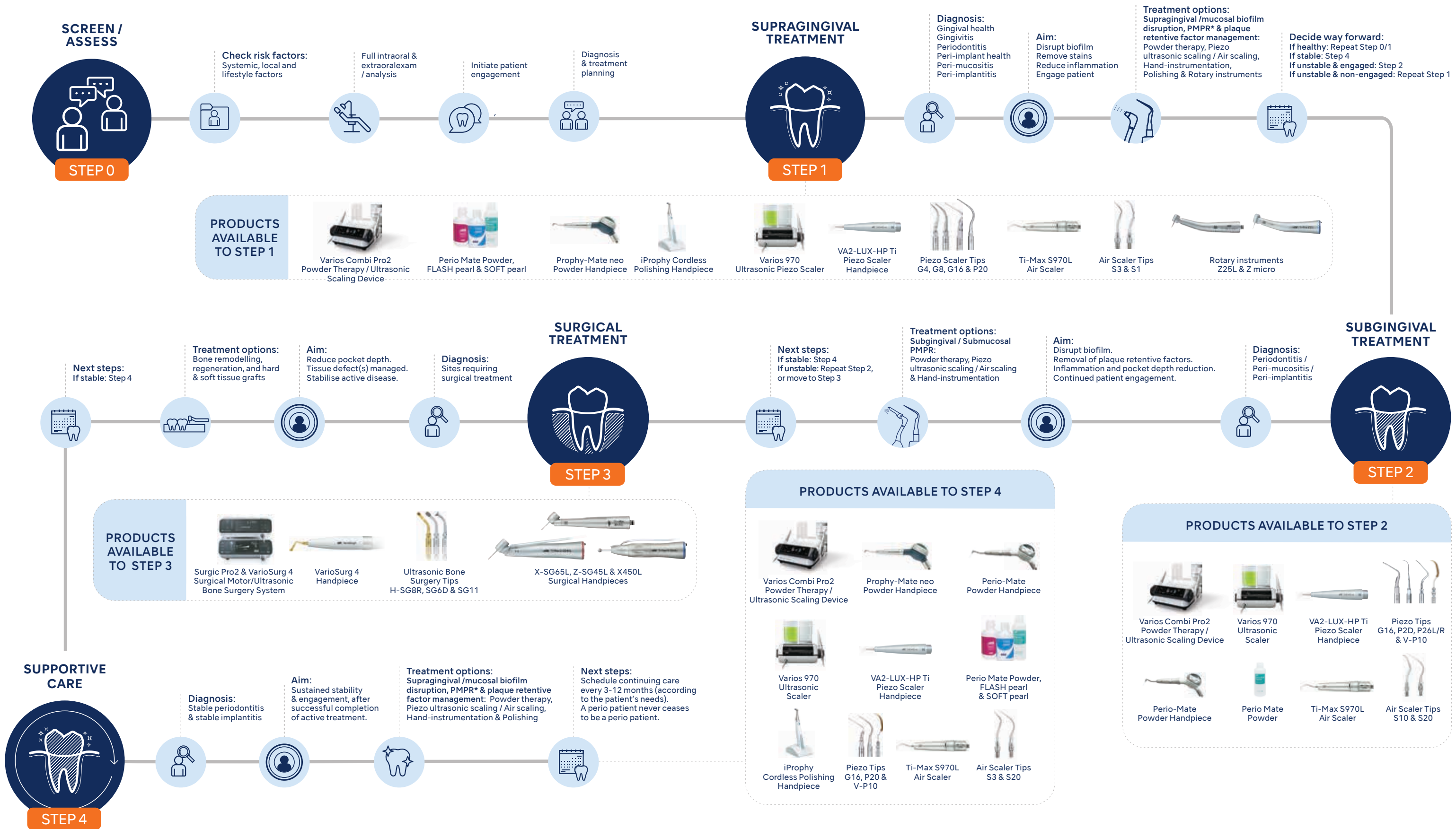
| MODEL | PRODUCTS | ORDER CODE |
|-------------------------|---|------------|
| Blower Nozzle-BA PER |  | T1050094 |
| Blower Nozzle-M4 PER |  | T1052094 |
| Blower Nozzle-B2 PER |  | T1054094 |

| MODEL | PRODUCTS | ORDER CODE |
|-------------------|---|------------|
| Cleaning Wire (S) |  | T798095 |
| Cleaning File |  | T798092 |
| Cleaning Brush |  | T798093 |

| MODEL | PRODUCTS | ORDER CODE |
|--|---|------------|
| Tip Cover S |  | Z217851 |
| S970 O-ring Set For S970 (Pack of 4) |  | Y1001953 |

| MODEL | PRODUCTS | ORDER CODE |
|------------------------|---|------------|
| F-Type Spray Nozzle |  | Z256090 |

The M.I.T. journey



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| NAKANISHI INC. www.nsk-dental.com 700 Shimohinata, Kanuma Tochigi 322-8666, Japan | NSK Europe GmbH www.nsk-europe.de Elly-Beinhorn-Str. 8 65760 Eschborn, Germany | NSK United Kingdom Ltd. www.nsk-uk.com Hertford House, Rutherford Close Stevenage, Hertfordshire, SG1 2EF, UK | NSK Dental Nordic www.nsk-nordic.com Furstenbergsgatan 4 416 64 Gothenburg, Sweden |
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