

ORAL HYGIENE

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**NSK**

Createit

## 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.

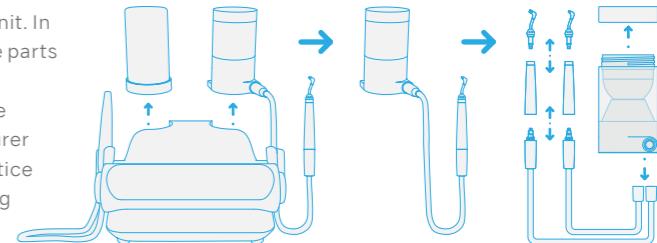


## Constant availability



### 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

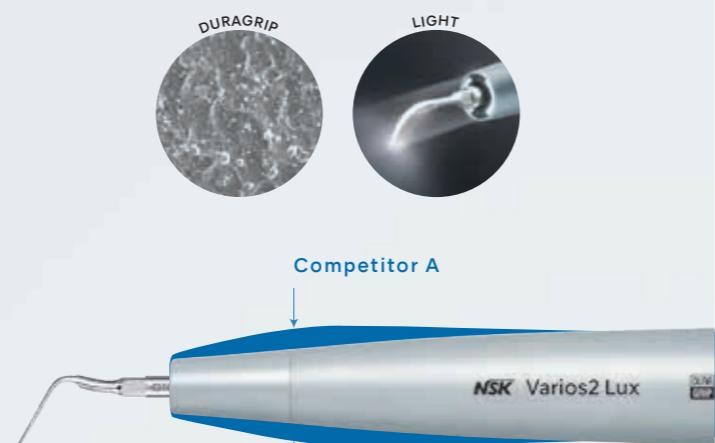
### Made to last. Comfortable to use.

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.



\* Water bottle kit is optional

### Basic set



OPTIC	MODEL	ORDER CODE
●	<b>Varios Combi Pro2 Basic Set</b>	<b>Y1500505</b>

**Contents:**  

- 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:**  

- 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
<b>Prophy Kit2</b>	<b>Y1500469</b>

**Contents:**  

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

\* Included in the Varios Combi Pro2 Basic set.

MODEL	ORDER CODE
<b>Perio Kit2</b>	<b>Y1500470</b>

**Contents:**  

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



MODEL	ORDER CODE
<b>iCart Prophy2</b>	<b>S9098</b>

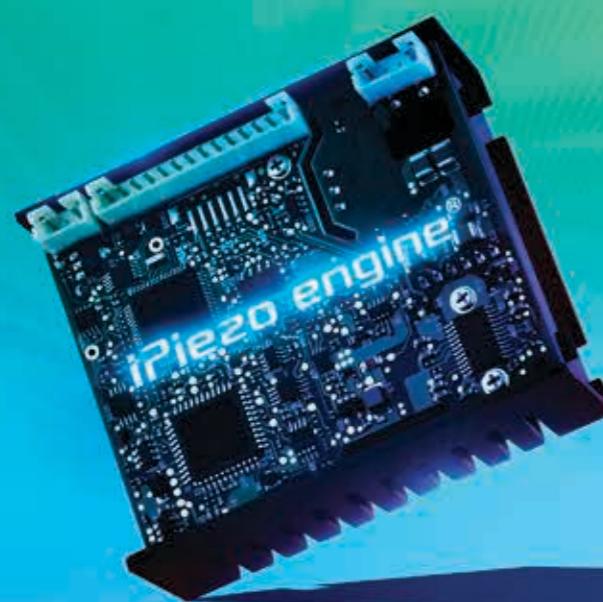
**Specifications:**  

- 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

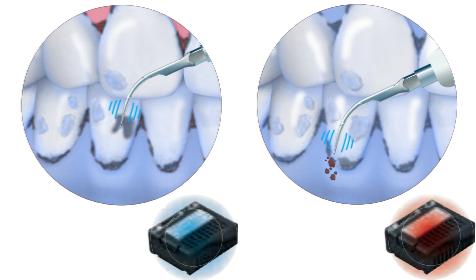
The NSK iPiezo engine supplies the appropriate power to the tip depending on the condition of the tooth surface. iPiezo engine provides a stable frequency output without dropping the power, even when removing hard calculus.

### 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.

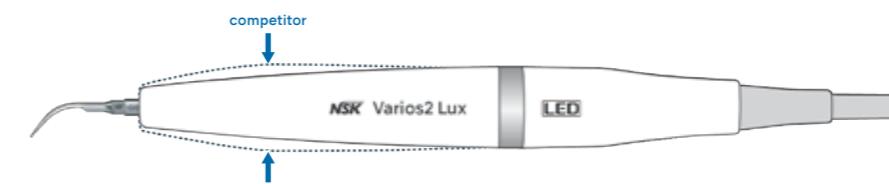
### Allows for steady scaling

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

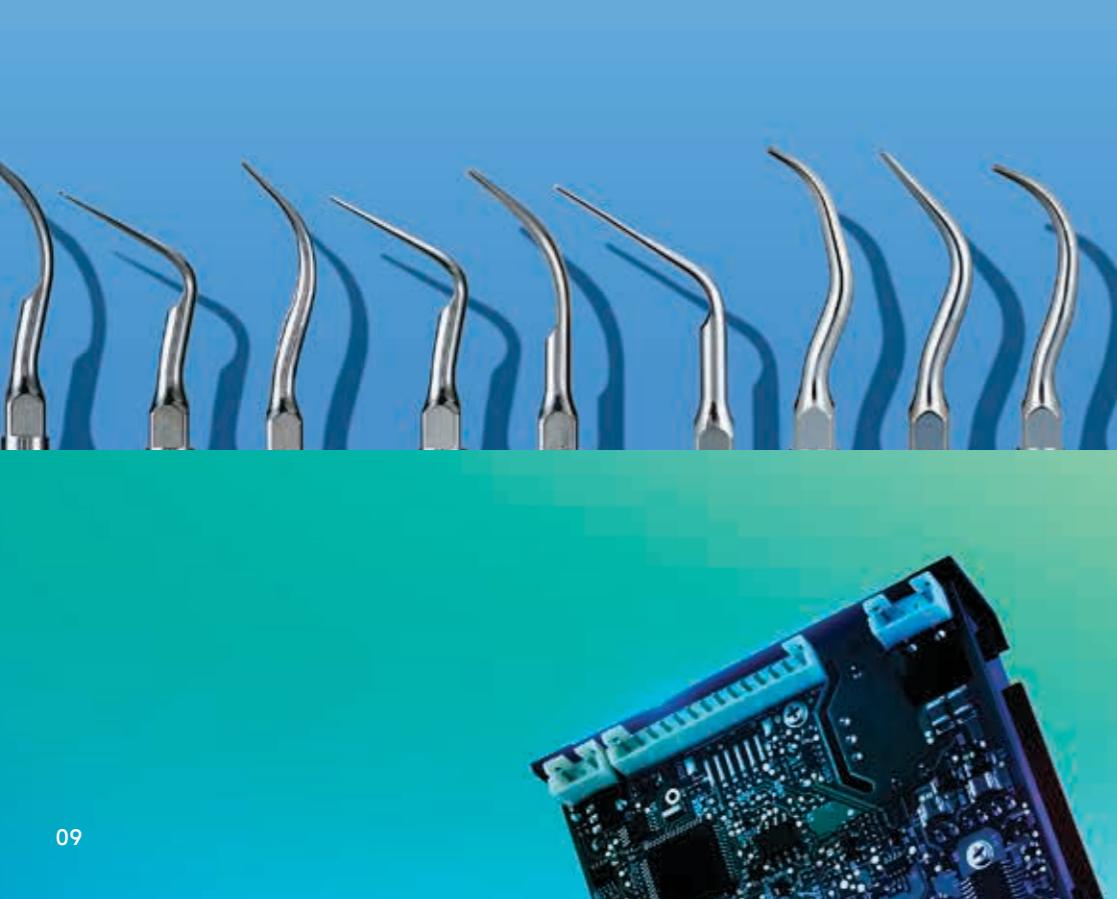


### Sterilisation Case

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.



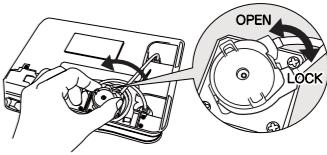
#### Improved Durability Against Antiseptic Solutions

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
- Portable 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

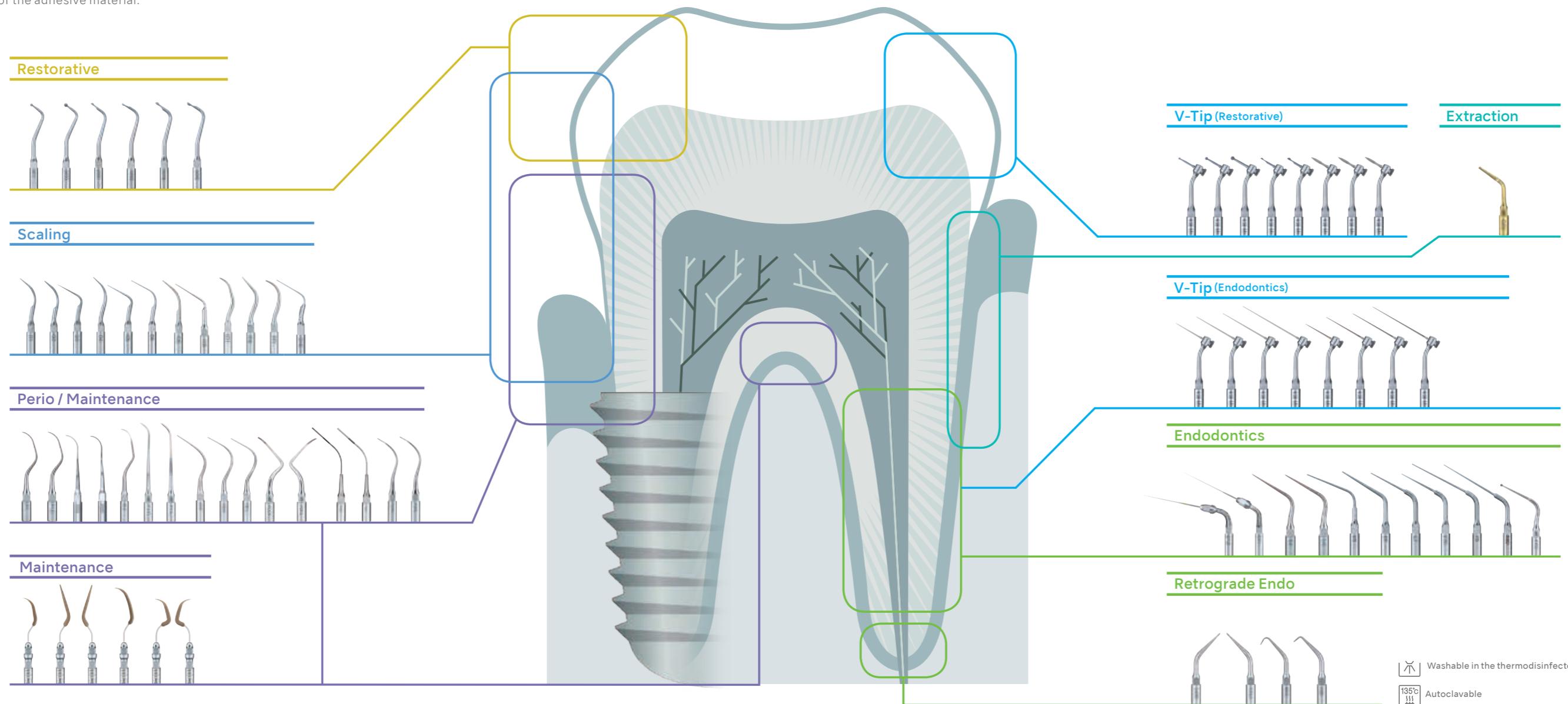
#### Specifications

- 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 Scalers

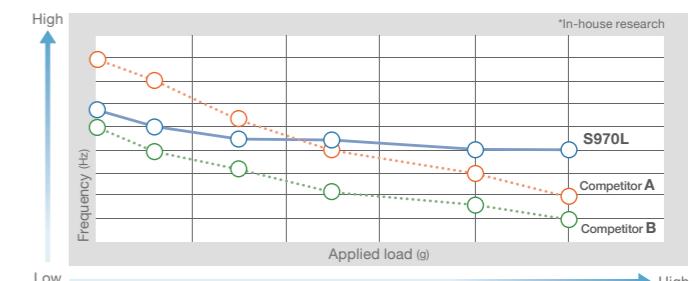
## Air Scaler Evolution Supporting a Broad Spectrum of Care

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.



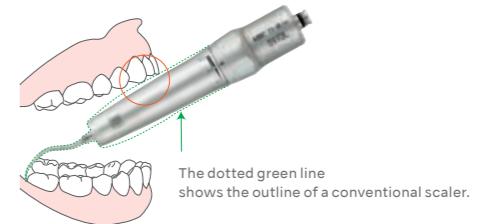
### Steady power supply to the tip

S970 air 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.



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

Applications	Tips	Power Ring Setting
Scaling	S1, S2, S3	1 → 3
Perio	S10, S20, S21R, S21L	1 → 3
Perio (Maintenance Tip)	S35+V-Tip (V-P10, V-P11R, V-P11L, V-P12)	1 → 3
Restorative (For Preparation of crown core)	S81D, S82D, S83D, S86D, S71D, S72D	1 → 3
Restorative (For Minimal Intervention)	S65D, S66D, S67D, S68D	1 → 3
V-TIP SYSTEM (Endodontics)	S75+V-Tip (V-U15-V-U35)	1 → 3

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
ORDER CODE	T1005	T1020	T1013
Optic	●	—	●
COUPLINGS			

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

 Washable in the thermodisinfector  Autoclavable

## AS2000 Air Scalers

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

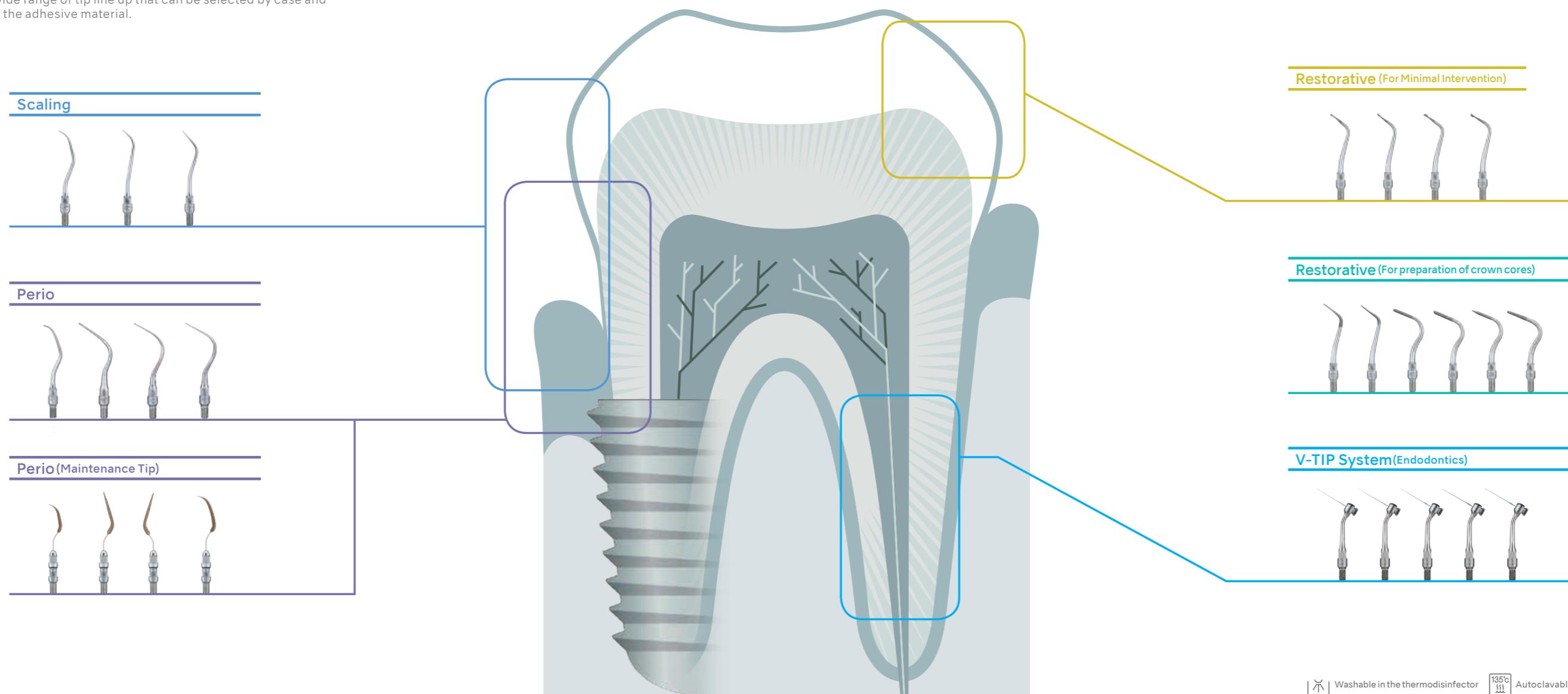


Optic	MODEL	ORDER CODE
—	AS2000 M4	T698
• For Midwest 4 hole • Weight : 67 g		
Optic	MODEL	ORDER CODE
—	AS2000 B2/3	T697
• For Borden 2/3 hole • Weight : 64 g		

# 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

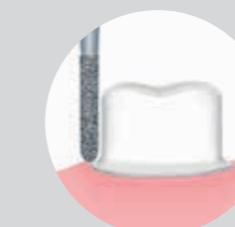


Removal of gingival biofilm



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.

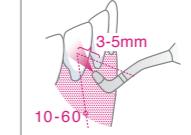
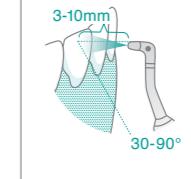
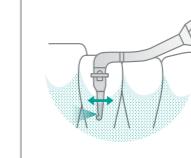
See  
Tip guide  
for details.



# 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
<b>Prophy-Mate neo</b>				
				
Removal of stains & plaque Removal of biofilm	Natural tooth		<b>Supragingival</b>	
				
			<b>Supragingival</b>	
				
Removal of plaque Removal of biofilm	Natural tooth		<b>Supragingival (Gingival margin)</b>	
				
			<b>Supragingival</b>	
				
	Prosthetic tooth		<b>Subgingival</b>	
				

# 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  $\mu\text{m}$  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.

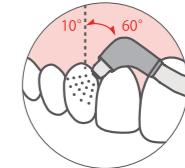
★ Adverse reactions to this product are rare.



### Fast cleaning in tight spaces

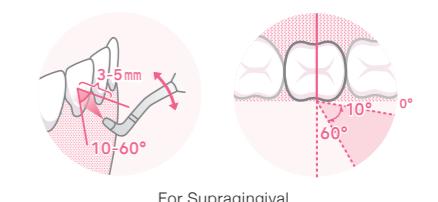
The nozzle is held close to the tooth surface at an angle close to horizontal (10° to 60°) and maneuvered in an intricate motion as if the powder is moving across the tooth surface. The wide discharge angle and free range of discharge motion allow for smooth operation and contribute to improved treatment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



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 suctions.

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 suctions.

Average particle size: 65 $\mu$ m

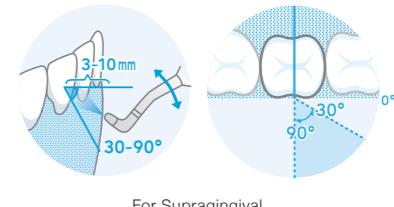


### A reliable design that is resistant to powder clogging

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

### 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

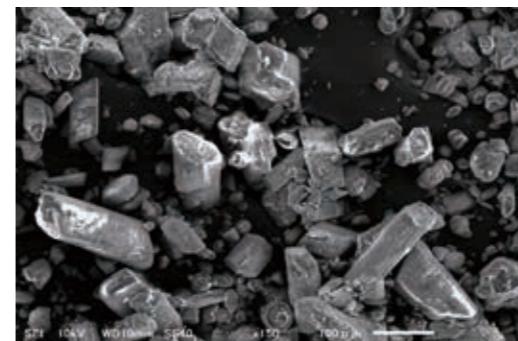
## Gentle, Effective Cleaning for Sensitive Areas

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.

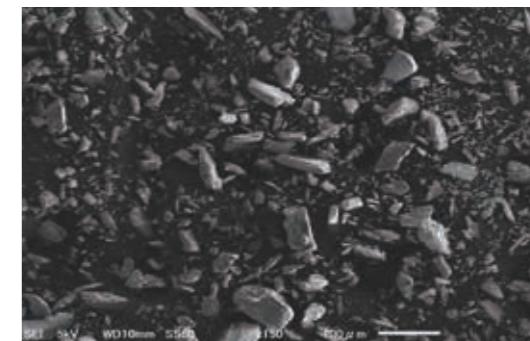
Perio  
Mate  
Powder

**Powder particle comparisons** The fine Perio Mate Powder is ideal for periodontal pocket treatment.



Conventional sodium bicarbonate powder

Average particle diameter: 73  $\mu$ m  
Scanning electron microscope image  
magnification of 150x



Perio Mate Powder (glycine)

Average particle diameter: 25  $\mu$ m  
Scanning electron microscope image  
magnification of 150x

Conventional sodium bicarbonate powder



Perio Mate Powder (glycine)

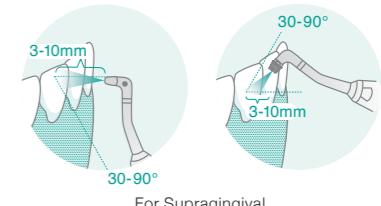
## Features

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



Before

After



For Supragingival



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 thermodisinfector

135°C 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 uninterrupted.



### 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.



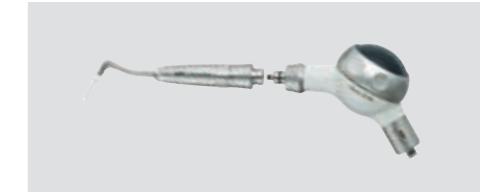
### Slim nozzle facilitates operation in the narrow confines of the oral cavity

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 x 1

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

The handpiece can be washed in the thermodisinfector

135°C 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 rubber 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.

## 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.



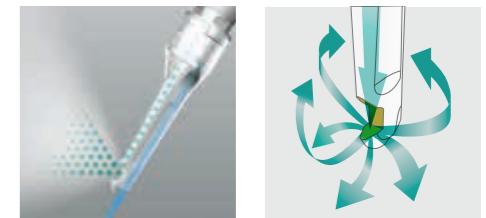
### Flexible plastic nozzle tip design ensures accessibility and is gentle to the pocket

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.



## Subgingival

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

### Removal of biofilm in dental pocket



Before



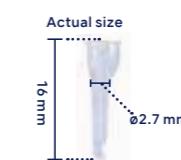
In use

- 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.

## Perio Mate Nozzle Tip

- Disposable
- Sterile
- Individually packaged

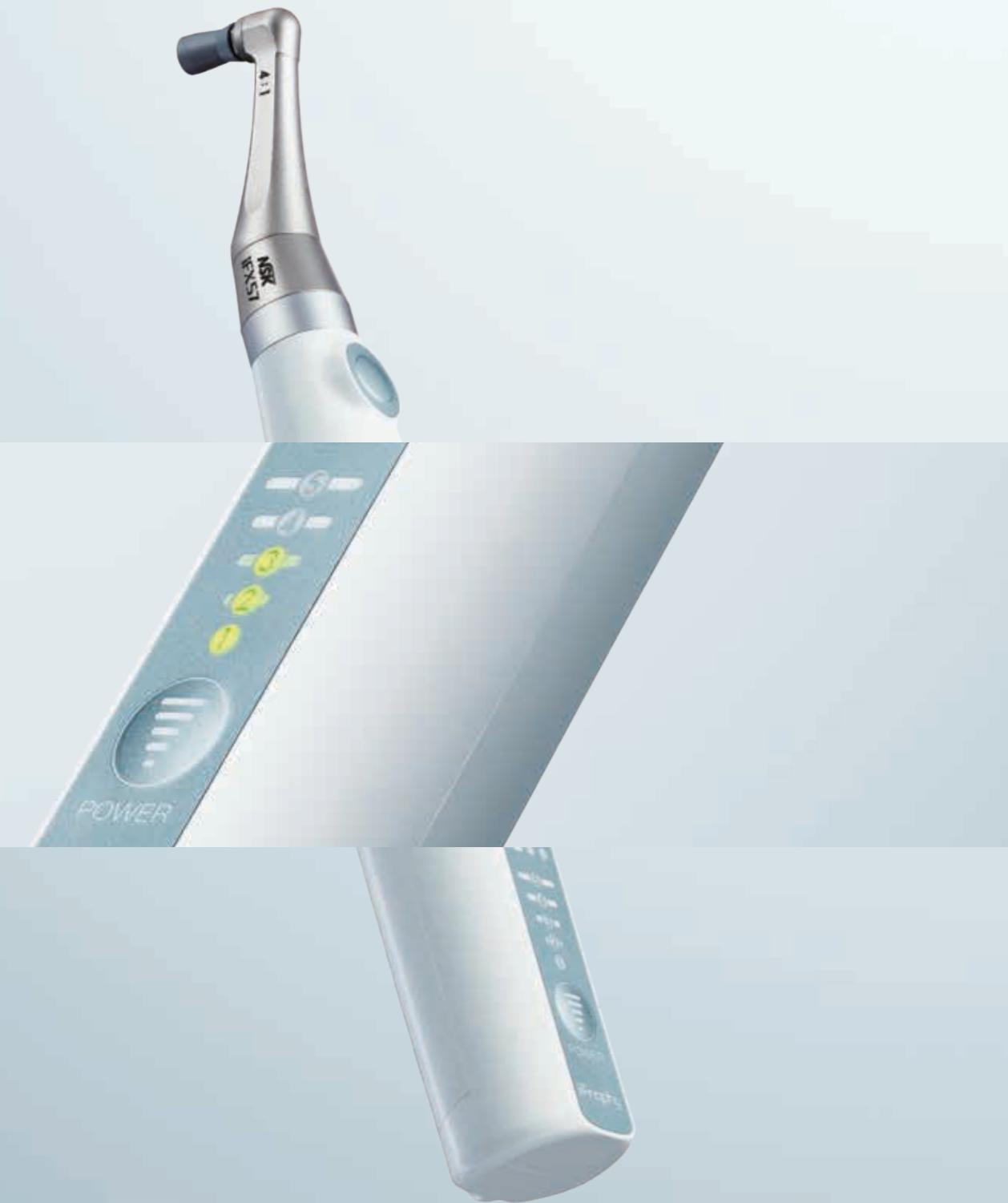
MODEL	ORDER CODE
Perio Mate Nozzle Tip	Y1002741
Contents	
• 40 nozzles	



# 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

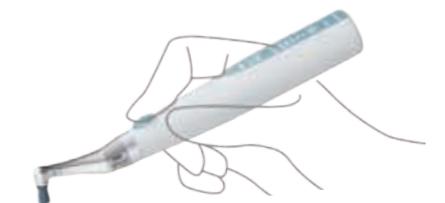
The thin, long ultra mini head ensures a wide field of vision within the oral cavity, easy access and excellent reach. Facilitates even smoother and more precise treatment.

### 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<sup>-1</sup>  
 • 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<sup>-1</sup>  
 • 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		Shanks	
MODEL	ORDER CODE	MODEL	ORDER CODE
EVA-Y	C235	ER4	C634
		ER4M	C634002

• 4:1 Reduction

## Screw cup polishing

### Ti-Max X



Optic	MODEL	ORDER CODE
⦿	X57L	C609
—	X57	C619

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



Special dust proof

### FX series



Optic	MODEL	ORDER CODE
—	FX57m	C1054001

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



Paste defence system



Optic	MODEL	ORDER CODE
—	FX58m	CA13210001

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



Optic	MODEL	ORDER CODE
—	FX50m	HA12050001

• 4:1 Reduction • Max speed: 2,500 min<sup>-1</sup>  
 • Stainless steel body • Disposable prophyl head



Paste defence system

### EX series



Heads	
MODEL	ORDER CODE
AR-Y (S)	C187

• Max speed : 5,000 min<sup>-1</sup>  
 • For screw-in cups and brushes  
 • 360° rotation

Shanks	
MODEL	ORDER CODE
EC-30	C100008
EC-30M	C100007

• 1:1 Direct Drive

Shanks	
MODEL	ORDER CODE
ER4	C634

• 4:1 Reduction

Shanks	
MODEL	ORDER CODE
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		UA14240100
CLM Bottle		UA14300100
Bottle Lid		UA14240101
Irrigation Bottle Set		UA14240001
CLM Bottle Set		UA14300001
Powder Handpiece		T1074001
Powder Handpiece		T1077001
FC-83		ZF16020001
Nozzle		T1074012
Nozzle		T1077012
Jet Nozzle		TA10770106
Air Hose		UA14210250
Water Hose		UA14210227

### Varios 970 / 370 / 170

MODEL	PRODUCTS	ORDER CODE
VA2-LUX-HP		E351050
VA2-HP		E350050
VA970LUX-SC		E351055
VA970-SC		E350055
VA170LUX-SC		E351056
VA170-SC		E350056
FC-70		Z1008001
FC-71		Z1008002
Handpiece Holder		10001505

MODEL	PRODUCTS	ORDER CODE
VA2-LUX-HP Ti		EA1203X050
Varios Titanium Handpiece		
VA2-LUX-SC Ti		EA1416X061
Varios Ti Handpiece hose (Only for VCP2)		
Spanner Wrench		K133751
For Water filters and CLM Module(12x14)		
Chamber Lid		UA14220117
Irrigation Bottle		UA14240100
400mL bottle only		
CLM Bottle		UA14300100
400mL bottle only		
Bottle Lid		UA14240101
For VCP2/CLM Bottle		
Irrigation Bottle Set		UA14240001
400mL bottle, lid, gasket		
CLM Bottle Set		UA14300001
400mL bottle, lid, gasket		
Powder Handpiece		T1074001
For Prophy use		
Powder Handpiece		T1077001
For Perio use		
FC-83		ZF16020001
Nozzle		T1074012
For Prophy use		
Nozzle		T1077012
For Perio use		
Jet Nozzle		TA10770106
For Perio use		
Air Hose		UA14210250
3.6m with label		
Water Hose		UA14210227
3.6m with label		

MODEL	PRODUCTS	ORDER CODE
AC Adaptor		Y1001790
5m		
For Varios 370		
Water Supply Connector		U387030
Water Filter Set (2 m)		U387040
2 water supply tube, water filter, water filter case		
Water Filter Set (4 m)		U1007080
For Varios 370		
2 water supply tube, water filter, water filter case		
Water Supply Tube (2 m)		U387580
Water Supply Tube (4 m)		D0914406 040
For Varios 370		
Water Filter Case		Y900069
Tube Ring		Y900077
(Pack of 2)		
Handpiece Holder		10001505
For Varios 370		

### Varios Combi Pro2 / Varios 970 / 370 / 170

MODEL	PRODUCTS	ORDER CODE
Water Filter		U387042
CR-1 Tip Holder		Z221080
CR-10 Tip Wrench		Z221076
for Varios tip		
E Tip Wrench		Z217399
Tip Cover L		Z217850
Tip Cover S		Z217851

### Prophy-Mate neo

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

### Perio-Mate

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

### Prophy-Mate neo / Perio-Mate

MODEL	PRODUCTS	ORDER CODE
Powder Case Cover		T798133
Gasket		T798135
O-ring		D0312039 070
Front Nozzle		
Ring Wrench		T797601
Cleaning Wire (L)		T798091

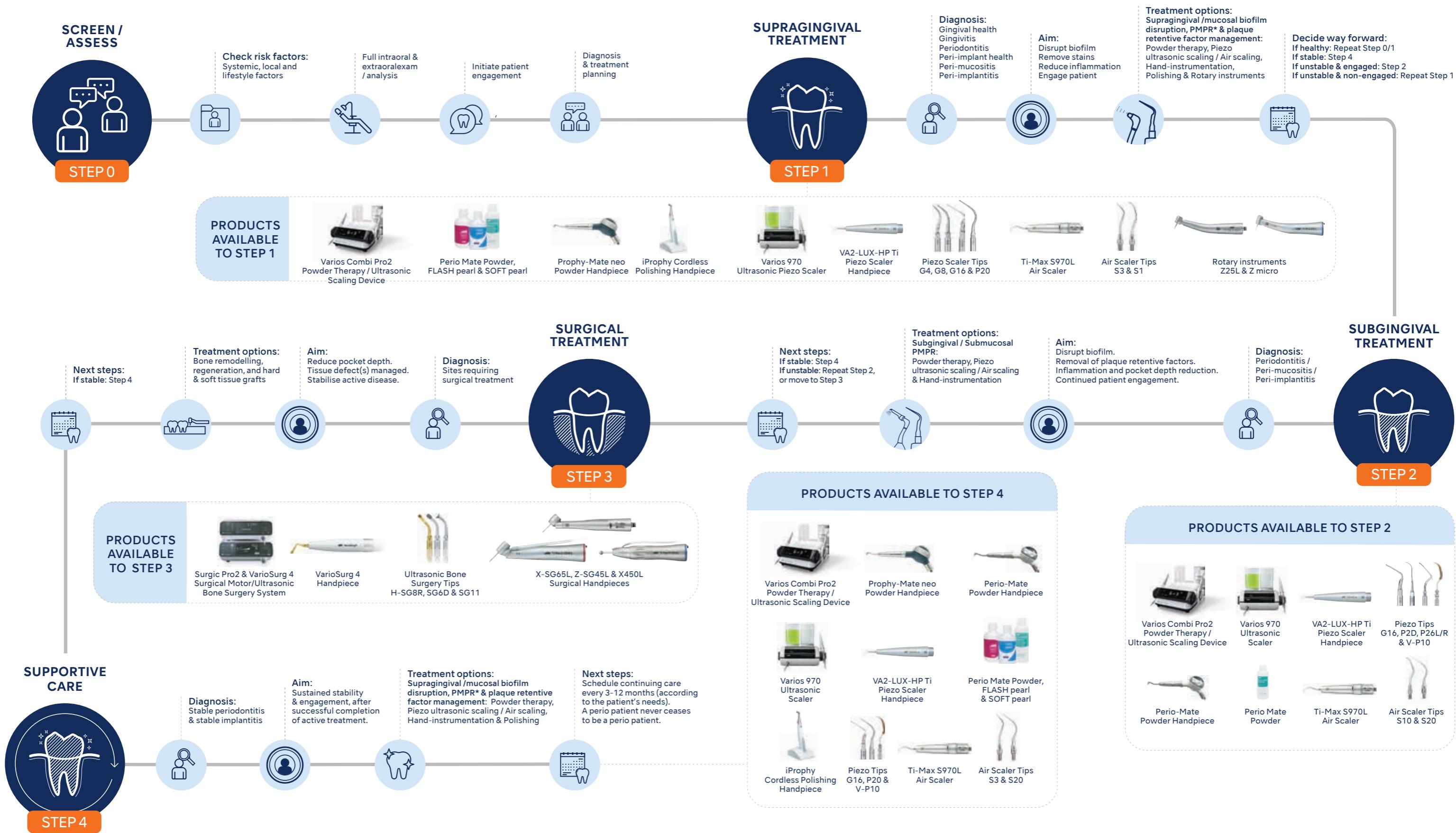
### Ti-Max S970 / AS2000 Air Scaler

MODEL	PRODUCTS	ORDER CODE
CR-20		Z1090001
Tip Replacement Wrench with Torque Limiter		
E Tip Wrench		Z217399
Tip Cover L		Z217850
S970 O-ring Set		Y1001953
For S970 (Pack of 4)		

### iProphy

MODEL	PRODUCTS	ORDER CODE
iProphy Motor handpiece		EA11170020
iProphy Stand		UA10910020
AC ADAPTOR		Y1500014
Battery Pack		E1080052

# The M.I.T. journey



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Specifications are subject to change without notice.