ORAL HYGIENE

Create it 🖌

## ORAL HYGIENE

www.nsk-dental.com IPR-D1352EN v1 2022-12-15.NOC



## 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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## 2 in 1

Ultrasonic Scaling × Powder Therapy



For oral hygiene specialists. New from NSK, the global No.1 handpiece brand.

## Varios Combi Pro

## **Two Maintenance Systems in One**

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



Ultrasonic scaling for all Powder therapy for supragingival Powder therapy for subgingival (as option)

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

## Two systems in one

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

## Automatically sets powder therapy functions for Supragingival or subgingival applications

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

## Independent unit and chamber

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

## No more clogging

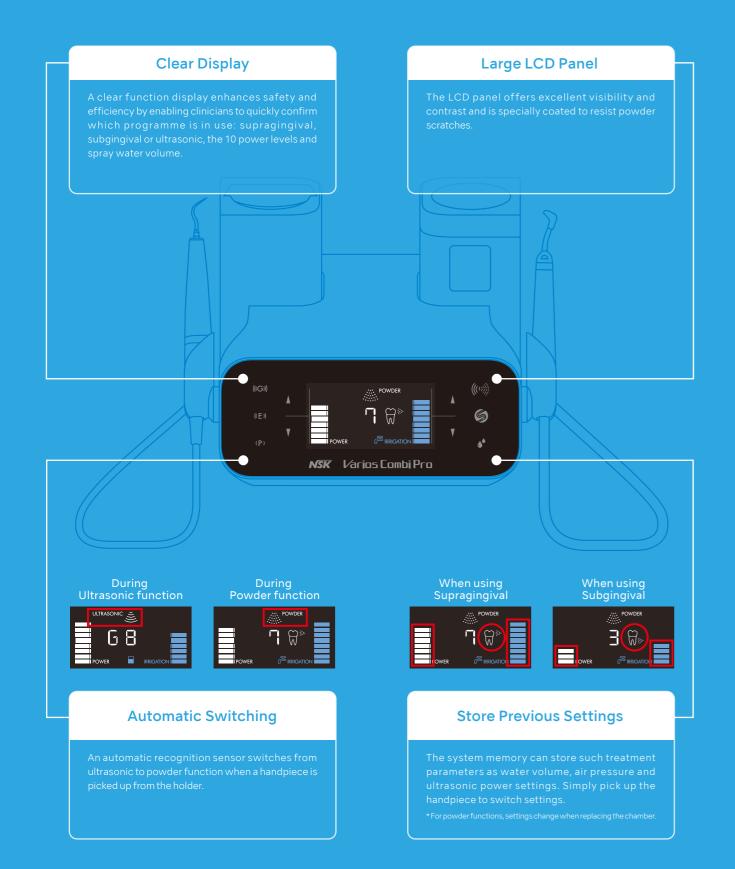
By keeping the control unit, handpiece and handpiece hose separate the risk of powder blockages inside the unit has been completely eliminated. The components carrying powder and water are all easily accessible for maintenance and service.

## Keeps both powder types separate

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



## **Optimizing Manoeuvrability**



## Easy Maintenance

## Auto-cleaning function

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

### Easy maintenance

The nozzle, handpiece, handpiece hose and chamber are easy to disassemble.

## Smooth surfaces for easy cleaning

The body is seamless and smooth, making it easy to remove powder residues. The display material has been treated with a scratch resistant coating.

## **Controls all Key Operations for Procedures**

## **Multi-Foot Control**

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



MODEL	ORDER CODE
Varios Combi Pro Perio Set	Y1003042

Contents

• PERIO-CHAMBER • PERIO-Hose • PERIO-Handpiece
 • Perio Mate Nozzle Tip • Perio Mate nozzle tip remover • Perio Mate Powder

### Varios Combi Pro Basic Set Ontio MODEL

Optic	HODEL	OKDER CODE
•	Varios Combi Pro Basic Set	Y1004194

### Contents

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

### Specifications

Power supply : AC 100-240 V 50/60 Hz
Frequency : 28-32 kHz
Dimensions : W 225 x D 290 x H 162 mm (including chamber) Unit weight : 2.6 kg (Except attachment)
 Bottle volume : 400 mL



### Optional

Install the control unit and accessories on the cart. iCart Duo for VCP with the Water Bottle Set.

MODEL	ORDER CODE
iCart Duo	S9090V

• Dimensions : H 101.65 cm • Weight : 16.5 kg

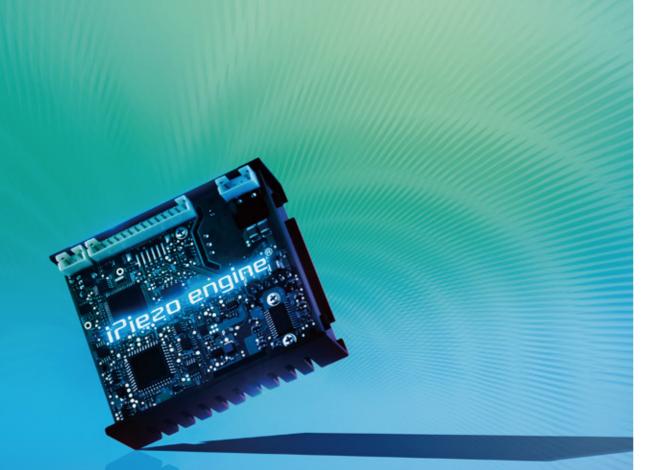




## iPiezo engine®

## 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.





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**

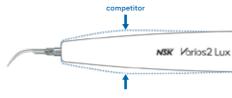
The Auto Tuning Function provides stable frequency to the tip at the selected power range. It allows the operator to feel the power output which ensures the optimum result.

## 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.

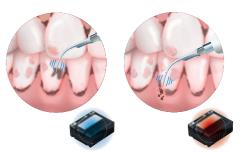


Autoclave sterilization and thermo-disinfection are both possible, delivering high safety standards



**Sterilization Case** 

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





|--|



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



# NSK Vorios2 Lux

## 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	Y1001168	
_	VA970	Y1001175	

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

Specifications • Power supply : AC 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 attachn
 Bottle volume : 400 mL (x2 bottles)

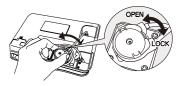














## Varios 370

## **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 Sets

Optic	MODEL	ORDER CODE
•	VA370 LUX	Y1001388
_	VA370	Y1001391

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
•	VA170LUXS1	Y1001351
_	VA170S1	Y1001352

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

 Specifications

 • Power supply : AC 24 V ±10%

 • Frequency : 28-32 kHz

 • Max.output : 11 W

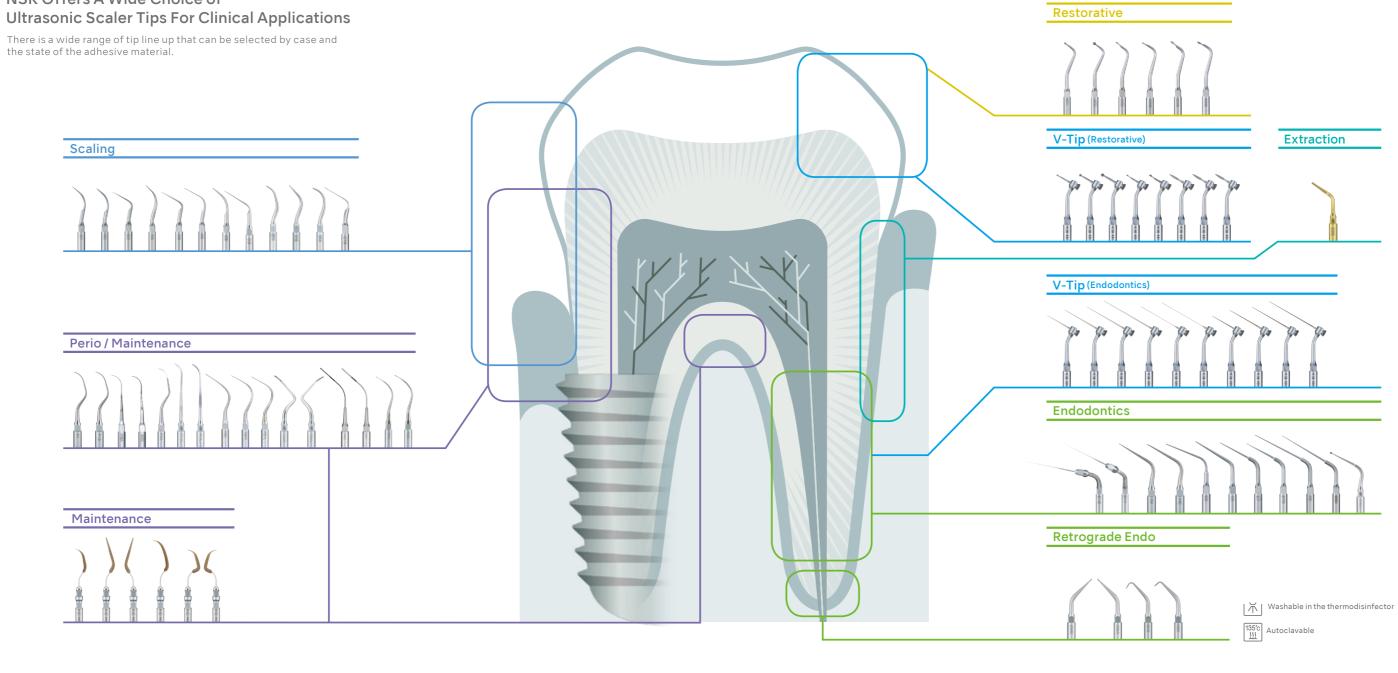
 • Dimensions : W 63 x D 54 x H 26 mm

 • Module weight : 59 g

## **Tip Variation**

## NSK Offers A Wide Choice of

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.

Cro		Material / tip end	Results of scaling treatment		For
$\Box$ $\bigcirc$	G1, G5, G6 G8, G9, G16	Metallic mirror finish	O	Δ	Scaling at and below the gumline
0	P1, P20 P21R/L, P25R/L	Metallic mirror finish	Δ	O	Stain removal at and below the gumline / maintenance
0	P1D, P2D, P3D	Metal diamond machining	0	0	Scaling below the gum line (adjacent surface / bifurcation)

			Results of scaling treatment		
$\square$	P10 P11R/L, P26R/L	Metallic sharp edge	O	$\bigtriangleup$	Scali
0	P40, P41	Metallic, lateral tip, two point water irrigation	Δ	0	
	V-P10, V-P11R/L V-P12, V-P26R/L	Plastic	0	0	Pro



## 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 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.



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.

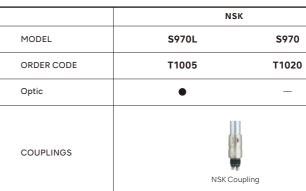
## Smooth and easy power control ring

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

Coupling Lineup



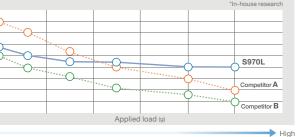
Contents • 3 tips (S1, S2 & S3) • Tip wrench (CR-20) • Tip cover (L)

## AS2000 Air Scalers

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



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Applications	Tips	Pow 1	er Ring Se 2	tting 3
Scaling	\$1, \$2, \$3	-		
Perio	\$10, \$20, \$21R, \$21L		$\rightarrow$	
erio (Maintenance Tip)	S35+V-Tip (V-P10, V-P11R, V-P11L, V-P12)		$\rightarrow$	
ative (For Preparation of crown cores)	\$81D, \$82D, \$83D, \$86D, \$71D, \$72D			
rative (For Minimal Intervention)	S65D, S66D, S67D, S68D		$\rightarrow$	
PSYSTEM (Endodontics)	S75+V-Tip (V-U15-V-U35)	$ \clubsuit$		

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

	KaVo®	Dentsply Sirona®
	S970KL	S970SL
)	T1013	T1015
	•	•
	KaVo® Multiflex®	Sirona® Quick Coupling
	Mashable in the thermoo	disinfector $[135c] Autoclavable$

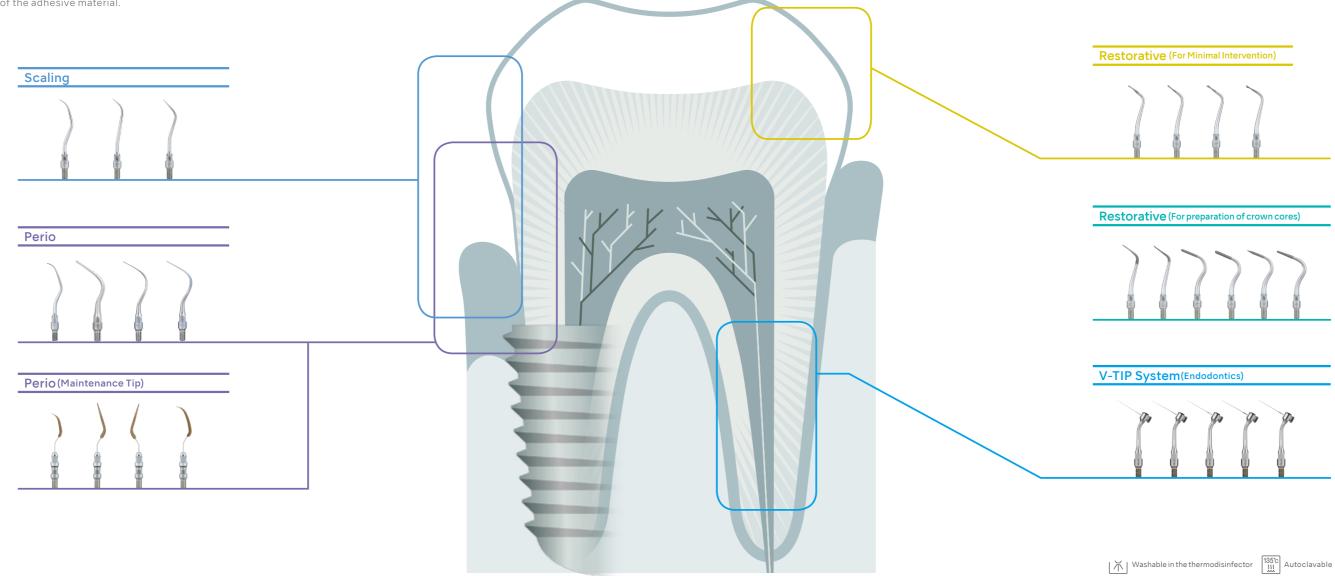
Optic	MODEL	ORDER CODE	
_	AS2000 M4	T698	00

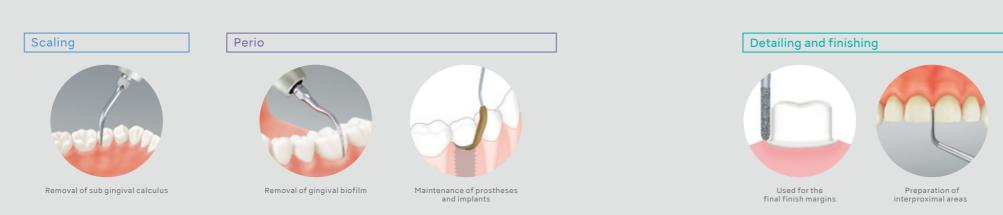
• For Midwest 4 hole

## **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.





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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.



## 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." 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).



## FLASH pear Cleaning Powder

## **Outstanding Cleaning Results with Gentle Powder**

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



## Sparkling results every time

FLASH pearl, a cleaning powder for Prophy-Mate neo and Varios Combi Pro, is a spherical particulate powder designed to roll smoothly over tooth surfaces and penetrate all corners for rapid cleaning. The spherical shape of the powder granules lessens the likelihood of damage to teeth and soft tissue while removing stains and plaque quickly and safely.  $\doteqdot$  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 minimized

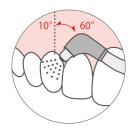
The fine powder particles don't dissolve easily in water so clogging is reduced. Maintenance of equipment is easy as there is less powder build-up inside instruments.

MODEL	ORDER CODE

 4 bottles packed in a box Comes with a measuring cup for your convenience
 Each bottle contains 300 g



The surface of the tooth after powder





## 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 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 ×1









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

The handpiece can be washed  $|\breve{\Lambda}|$  in the thermodisinfector

Autoclavable



## **Supragingival**

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

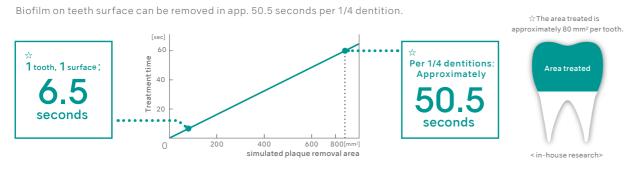
## Removal of plaque biofilm at interdental and gingival margin



Before

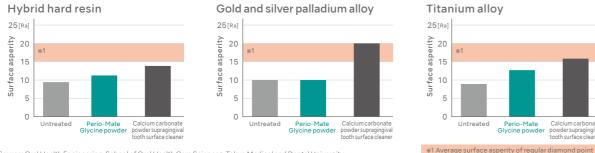
- Easier to remove biofilm plaque and minor stain around supragingival and gingival margin.
- Enable to remove plaque and biofilm from crowded dentition, interdental and pit and fissure, where hardly accessed with lubber cups.
- Removal of minor stain attached extensively.
- Cleaning around dental implants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

## Fast and effective removal capability



### Observation of the treated area at 200-fold with a confocal laser microscope\* \*CLSMLasertec

Surface of prosthetic restorations can be treated without damages.





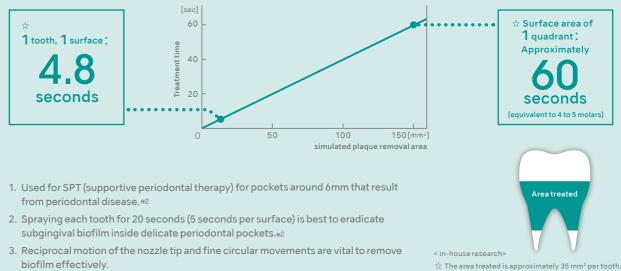


In use

- Before
  - Biofilm in the periodontal pocket can be removed in approximately 60 seconds per quadrant.
  - remaining and the results are effective. It is possible to clean areas the tip cannot reach with the powder injection effect.
  - Optimized 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.

## Fast and effective removal capability

Biofilm in the periodontal pocket can be removed in approximately 60 seconds per quadrant.



- biofilm effectively.

\*2.Flemmig TF, Hetzel M, Topoll H, Gerss J, Haeberlein I, Petersilka G., Subgingival debridement efficacy of glycine powder air polishing., J Periodontol. 2007 Jun; 78 (6):1002-10., Petersilka GJ, Steinmann D, Häberlein I, Heinecke A, Flemmig TF., Subgingival plaque removal in buccal and lingual sites using a novel low abrasive air-polishing powder., J Clin Periodontol. 2003 Apr; 30(4): 328-33.

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**Subgingival** 

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

## Removal of biofilm in dental pocket

• Deposits can be removed without direct contact with almost none of the extensive biofilm and plaque adhesion





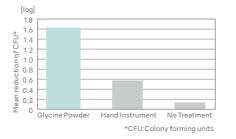


## **Performance & Technology**

## **Reduction of bacteria**

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

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

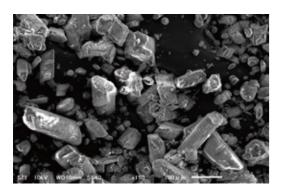


### NSK's innovative nozzle tip

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

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

**73** 



Conventional sodium bicarbonate powder

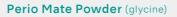
Average particle diameter: 73 µm Scanning electron microscope image magnification of 150×



Perio Mate Powder (glycine)

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

Conventional sodium bicarbonate powder



## Perio Mate Powder

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

MODEL	ORDER CODE
Perio Mate Powder	Y900938
Contents	



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

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

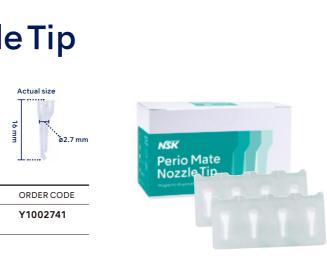
## Optimized using powder flow analysis

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



- Sterile
- Individually packaged



MODEL	ORDER
Perio Mate Nozzle Tip	Y1002

Contents 40 nozzles









## Contra-angles Prophylaxis Handpiece

## Screw cup polishing

Ti-Max X



**FX** series



**EX** series



## EVA tip polishing

Ti-Max X



**EX** series





Optic	MODEL	ORDER CODE
0	X57L	C609

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



_	FX57m	C1054001
Optic	MODEL	ORDER CODE

4:1 Reduction • Max Speed : 5,000 min<sup>-1</sup> • Stainless steel body
 • Screw-in cups and brushes • 360° rotation

¥)
Paste defence system

Heads	
MODEL	ORDER CODE
AR-Y (S)	C187
• Max Speed : 5,0 • For screw-in cup • 360° rotation	
MODEL	ORDER CODE

MODEL	ORDERCODE
AR-Y (K)	C188

Max Speed : 5,000 min<sup>-1</sup>
 For snap-on cups • 360° rotation

Shanks	
MODEL	ORDER CODE
EC-30M	C100007
1:1 Direct Drive	

MODEL	ORDER CODE
ER4M	C634002

• 4:1 Reduction

Optic	MODEL	ORDER CODE
0	X55L	C608
_	X55	C618

• 4:1 Reduction • Max Speed : 10,000 min<sup>-1</sup> • Titanium body & DURACOAT • 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.

### Head

MODEL	ORDER CODE
EVA-Y	C235

Shank
MODEL

ER4M

EVA-Y	C235	

Max Speed : 10,000 min<sup>-1</sup> • Eva tips
 Vertical reciprocating (stroke length 1.4 mm)

• 4:1 Reduction



ORDER CODE

C634002

With tip lock mechan

## **Spare Parts**

## Varios Combi Pro

MODEL	PRODUCTS	ORDER CODE
Chamber For Prophy use	E.	U1135018
Chamber For Perio use	E.	U1135019
Handpiece Hose For Prophy use	Q	T1051001
Handpiece Hose For Perio use	Q	T1053001
Powder Handpiece For Prophy use	**** I	T1074001
Powder Handpiece For Perio use	~~ L	T1077001
Nozzle For Prophy use	$\sim \Rightarrow$	T1074012
Nozzle For Perio use	^	T1077012
VCP Bottle Set Bottle and Cap		U1135017
VA2-LUX-HP Optic Handpiece	an Analise	E351050
VA2LUX-SC Handpiece Cord for VA2LUX	$\bigcirc$	E351054

	PRODUCTS	ORDER CODE	MODEL	PRODU
FC-79 Foot Control		Z1256001	Air Hose 3.6 m	С
Water Filter Set <sup>3.6 m</sup>	Ó	U1135078	<b>Ring Wrench</b>	C
Water Pressure Reducing Valve		U1135093	Perio Mate Nozzle Tip (Pack of 40)	-
Irrigation Pump		U1135079	Nozzle Tip Remover	
O-ring set Camber Base Connector (Pack of 5)	00000	Y1003435	Lubrication Oil	-
Chamber Cap	$\bigcirc$	U1135089	Cleaning Wire (L)	_
<b>O-ring</b> For Chamber Cap	$\bigcirc$	Y1003545	Cleaning Wire (S)	_
O-ring set Irrigation Bottle	00	Y1003544	Cleaning File	_
<b>O-ring</b> 1 for the Handpiece Cord	•	Y1003546	Cleaning Brush	
O-ring set Handpiece Hose	00	Y1003500	Unlocking tool	_
O-ring set	00	Y1003501	Fuse	-

MODEL	PRODUCTS	ORDER CODE
<b>Air Hose</b> 3.6 m	0	D0914406 036
Ring Wrench	0	T1074601
Perio Mate Nozzle Tip (Pack of 40)	-	Y1002741
Nozzle Tip Remover	-	T1043751
Lubrication Oil	-	Z016112
Cleaning Wire (L)	_	T798091
Cleaning Wire (S)		T798095
Cleaning File		T798092
Cleaning Brush		T798093
Unlocking tool		U1135256
Fuse		D1202220 010

### Varios 970 / 370 / 170

MODEL	PRODUCTS	ORDER CODE	MODEL
VA2-LUX-HP Optic Handpiece	an Analus	E351050	Water S Conne
VA2-HP Non-Optic Handpiece	at the a	E350050	Water I 2 water su water filte
VA970LUX-SC Handpiece Cord for Varios 970 LUX	$\bigcirc$	E351055	Water I For Varios 2 water su water filte
VA970-SC Handpiece Cord for Varios 970	.O.	E350055	Water 9 (2 m)
VA170LUX-SC Handpiece Cord for Varios 170 LUX	0	E351056	Water 9 (4 m) For Varios
VA170-SC Handpiece Cord for Varios 170	0	E350056	Water I
FC-70 Foot Control (2.5 m)		Z1008001	Tube R (Pack of 2
FC-71 Foot Control (5 m) For Varios 370		Z1008002	Handp For Varios
AC Adaptor (5 m) For Varios 370		Y1001792	VA Bot (400 mL) For Varios

IODEL	PRODUCTS	ORDER CODE
Water Supply Connecter		U387030
Nater Filter Set (2 m water supply tube, vater filter, water filter case		U387040
Nater Filter Set (4 m For Varios 370 Water supply tube, vater filter, water filter case		U1007080
Nater Supply Tube 2 m)	0	U387580
Nater Supply Tube 4 m) For Varios 370	0	D0914406 040
Water Filter Case	-6	Y900069
Fube Ring Pack of 2)		Y900077
Handpiece Holder For Varios 370		10001505
<b>/A Bottle 400</b> 400 mL) for Varios 970		Z1047002

PRODUCTS	ORDER CODE
	10000643
0	D0310020 080
0	D0312090 100
0	D0310075 150
· ·	Z254
	Z259
27	Y1001812

### Prophy-Mate neo

MODEL	PRODUCTS	ORDER CODE	MODEL PRODUCT	S ORDER CODE
PMN-HP Handpiece with 60° nozzle head		T797010	Blower Nozzle-PTL neo	T798094
Nozzle 60°		T797012	Blower Nozzle-KV	T886094
Nozzle 80°		T797013	Blower Nozzle-SR	T887094
<b>O-ring</b> neo Rear Nozzle	0	D0312029 070	Blower Nozzle-WH	T888094

## Perio-Mate

MODEL	PRODUCTS	ORDER CODE	MODEL PRODUCTS	ORDER CODE
PER-HP		T1043010	Blower Nozzle-PTL PER	T1042094
Nozzle	∧_@⊨	T1043012	Blower Nozzle-KV	T1044094
<b>O-ring</b> PER Rear Nozzle	0	D0312023 060	Blower Nozzle-SR PER	T1046094
Nozzle Tip Remover		T1043751	Blower Nozzle-WH PER	T1048094

## Prophy-Mate neo / Perio-Mate

MODEL	PRODUCTS	ORDER CODE	MODEL	PRODUCTS	ORDER CODE
Powder Case Cover		T798133	PTL O-ring Set (Pack of 5)	000000	Y900580
Gasket	$\bigcirc$	T798135	PM O-ring Set (Pack of 3)	000	Y900054
<b>O-ring</b> Front Nozzle	0	D0312039 070	Lubrication Oil	-	Z016112
Ring Wrench	0	T797601	Cleaning Wire (L)	_	T798091

## Ti-Max S970 / AS2000 Air Scaler

MODEL	PRODUCTS	ORDER CODE	MODEL	PRODUCTS	ORDER CODE
<b>CR-20</b> Tip Replacement Wrench with Torque Limiter	<b>y</b>	Z1090001	Tip Holder		Z252A080
E Tip Replacement Wrench	17 Mar 10	Z217399	Tip Cover L	5	Z217850

### Varios Combi Pro / Varios 970 / 370 / 170

MODEL	PRODUCTS	ORDERCODE	MODEL	PRODUCTS	ORDERCODE	MODEL	PRODUCTS	ORDER CODE
Water Filter	0	U387042	Tip Holder		Z221A080	Sterilization case		Z1035001
CR-10 Tip Wrench	ŋ	Z221076	Tip Cover L	E	Z217850	Spanner Wrench 5x8 (Pack of 2)	<b>)</b>	Y1001301
E Tip Replaceme Wrench	ent	Z217399	Tip Cover S		Z217851			

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

MODEL	PRODUCTS	ORDER CODE
<b>Blower Nozzle-BA</b> 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
<b>S970 O-ring Set</b> For S970 (Pack of 4)	00000	Y1001953

## **Professional Care**

## Selecting the right equipment is the first step in professional care

Professional care involves a variety of treatments such as the prevention and improvement of periodontal disease, subgingival scaling and the removal of pathogenic bacteria, the removal of biofilm and prevention of dental caries through prevention of plaque re-adhesion and the removal of calculus and stains to restore the teeth to their original brilliance. In order to provide total professional care, it is important to select quality equipment to provide a suitable treatment and operational efficiency to suit each patient's oral care requirements.





## **Powder Polishing**

• Removal of supragingival stains and calculus • Removal of plaque and biofilm

**Final Polishing** 

• Polishing of tooth surface Ti-Max X Series / FX Series



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