

ORAL HYGIENE

Varios series / Prophy-Mate neo / FLASH pearl / iProphy mobile / iProphy Air / Contra-angles

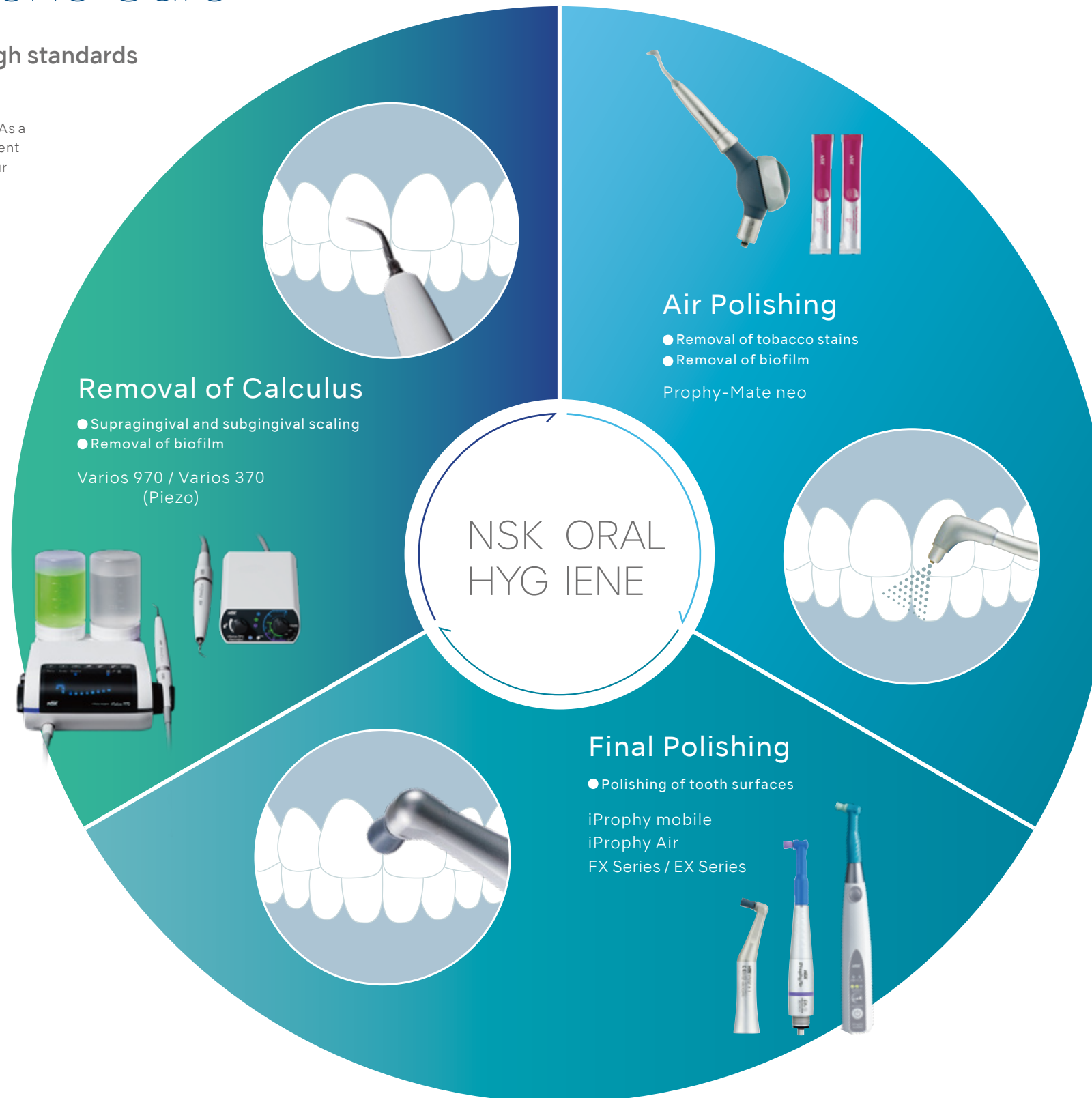
NSK

CREATE IT.

Professional Hygiene Care

The Equipment you select will set the high standards of professional care for your practice.

Selecting the right equipment is essential for optimal patient care. As a professional, you are responsible for the prevention and improvement of periodontal disease, as well as creating a confident smile for your patient. In order to achieve these goals, you practice subgingival scaling, remove pathogenic bacteria and biofilm, and help prevent dental caries through halting the re-adhesion of plaque. In addition, you want your patient to be their best self through a confident, brilliant smile, so you also remove stains of nicotine, tar, wine, coffee, etc. It is important to select quality equipment to provide optimal treatment outcomes and operational efficiency for your practice.



Advanced Oral Care for Dentists and Hygienists

The results of periodontal treatment are significantly improved when teeth are cleaned, polished, and calculus and biofilm are effectively removed below and along the gumline. Knowing the importance of a confident, healthy smile, NSK is committed to supporting your clinical practice with a portfolio of high performance, quality products, such as ultrasonic and air polishers, that meet professional standards and are backed with a quality guarantee.

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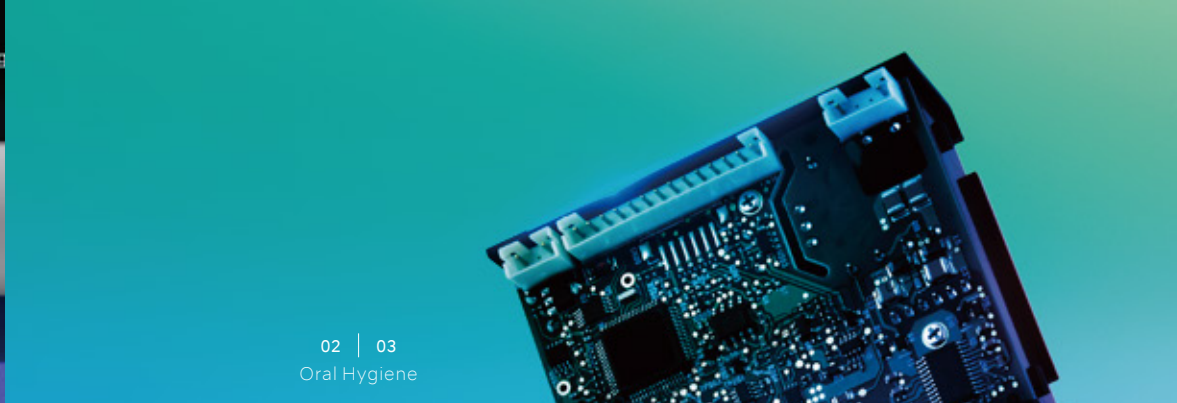
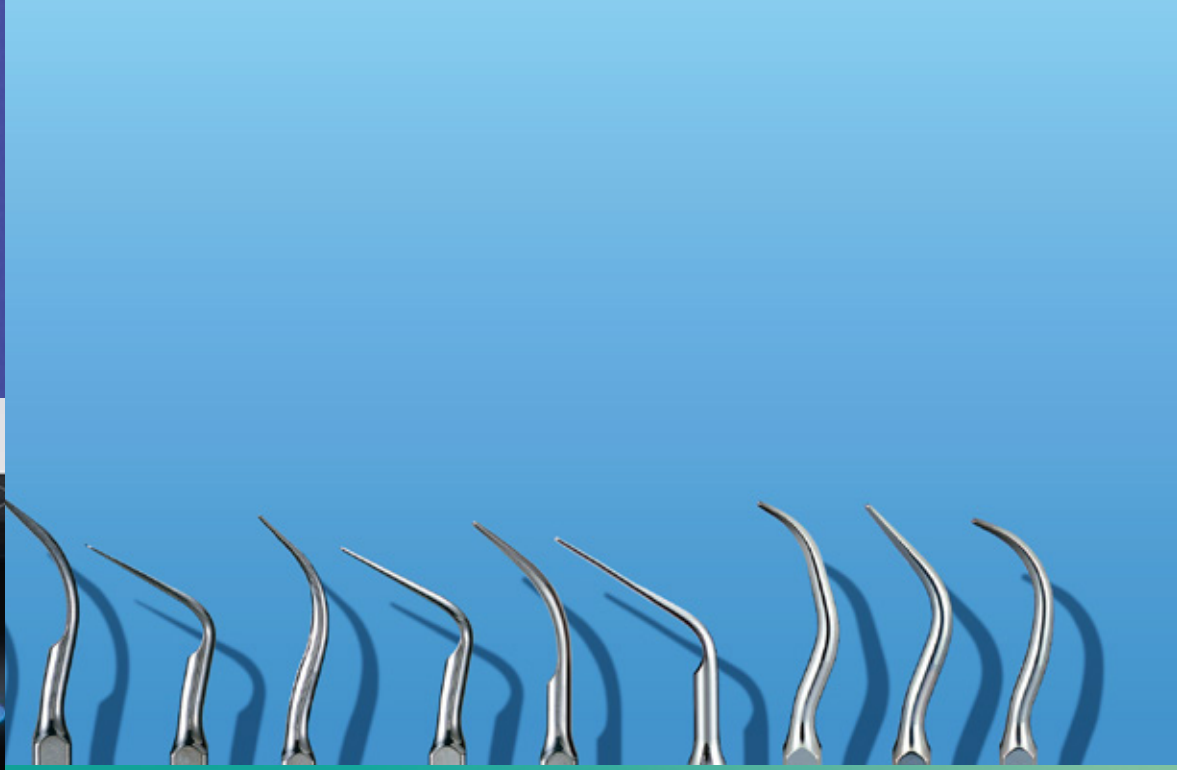
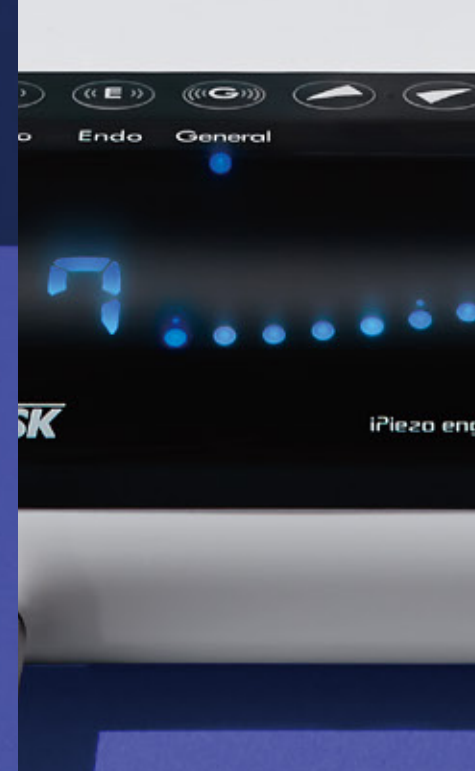
Ultrasonic Scalers

Varios Series

Be Smart.

NSK offers a wide range of intelligent ultrasonic treatments, thanks to our unique, next generation AI engine.

Coupled with over 80 varieties of tips, Varios is the obvious choice.



iPiezo engine®

The unique ultrasonic AI engine has an intelligent response to tooth surface conditions

"I'd like to be better at scaling", "I'd like an easier way to remove deposits"

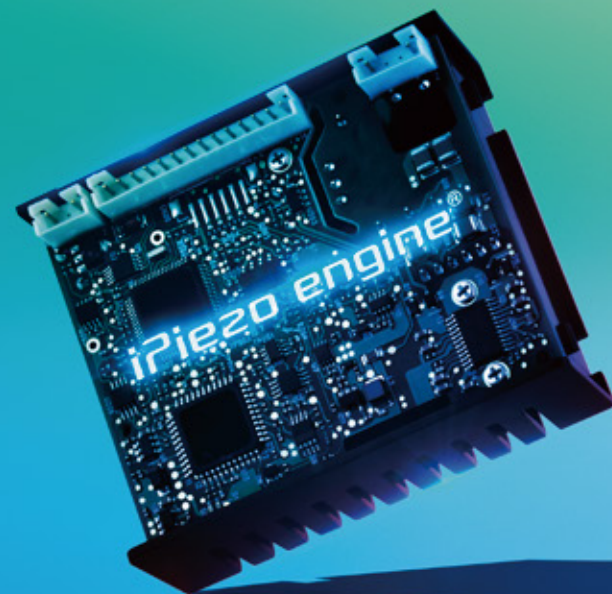
We listened carefully to what clinicians had to say in the development of our next generation AI ultrasound engine, which is at the heart of the NSK ultrasonic series.

The movements of the clinician are transmitted to the tip as through it is an extension of the hand.

This precise movement allows for treatment to be customized based on the tooth surface conditions.

The experience is faster and gentler for patients.

The iPiezo engine has an eco friendly design that operates efficiently with low power consumption.



The NSK iPiezo engine is the Next Generation Ultrasound AI 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

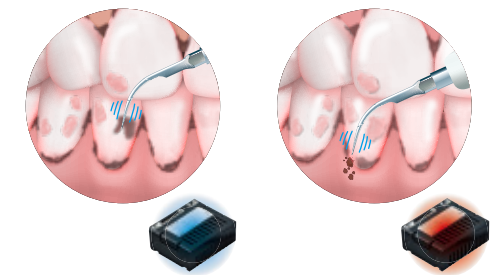
The NSK iPiezo engine supplies the appropriate power to the tip depending on the condition of the tooth surface. The iPiezo engine provides a stable frequency output without dropping the power, even when removing hard calculus.

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.

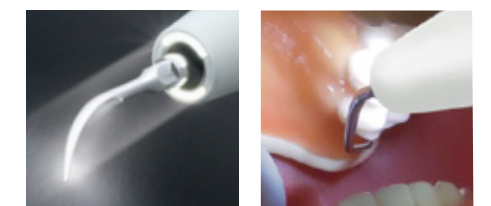
Allows for Steady Scaling

Conventional ultrasonic scalers lose power when moving from soft to hard calculus. 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.



A Slim, Powerful LED Handpiece

The $\varnothing 9.5$ mm slim tip of the Varios 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, 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.



The Varios LUX handpiece can use Autoclave sterilization and thermo-disinfection methods.



Varios 970 OPTIC LED Multi-Function Ultrasonic Scaler

Smart, Compact, High-Performance Design

The Varios 970 is our most advanced model in our compact series, exceeding expectations in ultrasonic performance.

Our 2 bottle system allows users to focus on safe treatment without worrying about water irrigation.

Daily maintenance is simple with our auto rinse function and seamless body design. Our design process with intensive user feedback has allowed us to achieve high standards of 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. This intuitive layout reduces user errors. Power adjustment and function selection can be performed easily.



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 improved durability as it substantially reduces the corrosion and rust caused by the residuum of antiseptic solutions.



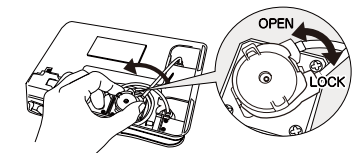
Auto Cleaning Mode

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 Replacement for Irrigation Pumps

Most components of the irrigation system can be replaced by yourself and most issues can be dealt with on site.



OPTIC Varios 970 Optic Complete Set
MODEL: VA970 LUX (120 V) ORDER CODE: Y1001166

Contents:
● Control unit ● Handpiece ● Handpiece cord ● 3 Scaling tips
● Foot control (FC-70) ● 2 x Irrigation bottles
● 3 x Tip wrench with torque limiter ● AC power cord

Specifications:

- Power Supply : AC 120 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 (x 2 bottles)



Varios 370 OPTIC LED NON-OPTIC Multi-Function Ultrasonic Scaler

High-Performance, Compact Design that is Easy-to-Use

The iPiezo engine in an ultra compact body.
 An ultrasonic device that can be installed anywhere.
 Versatility in location, based on the application and preference.
 Stylish design blends harmoniously into treatment area.
 Unique features improve ease of use for operators that includes a highly visible instinctive operating panel.



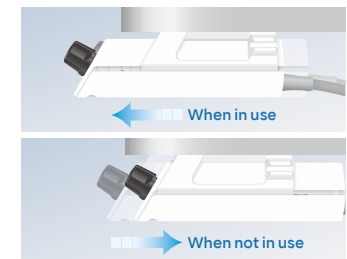
Intuitive and Simple Operating Panel

The power source has an ON/OFF function and can be set from 0 to 10 by simply turning the dial to adjust the output. The large irrigation volume adjustment dial allows for precise irrigation volume control. The panel is positioned at an angle for good visibility during operation.



The Control Unit Holder has a Wide Range of Mounting Options.

Optimal visibility can be obtained by sliding the unit back and forth when in use. The handpiece cord can be fixed in place in the holder so there is no obstruction during use.



Varios 370 Unit Installation Examples

On the dental console arm with stand (optional).



Control Unit Holder + Varios 350/370 Stand

On/Under the dental bracket table with Control Unit Holder.



Control Unit Holder



Control Unit Holder + Varios 350/370 Mounting Bracket

OPTIC Varios 370 Optic Complete Set
 MODEL : VA370 LUX (120 V) ORDER CODE : Y1003740

NON-OPTIC Varios 370 Non-Optic Complete Set
 MODEL : VA370 (120 V) ORDER CODE : Y1003742

Contents :
 ● Control unit with handpiece cord ● Control unit holder ● AC adaptor
 ● Handpiece ● Handpiece holder ● Water filter set ● Water supply connector
 ● Foot control (FC-71) ● 3 Scaling tips ● Tip wrench with torque limiter

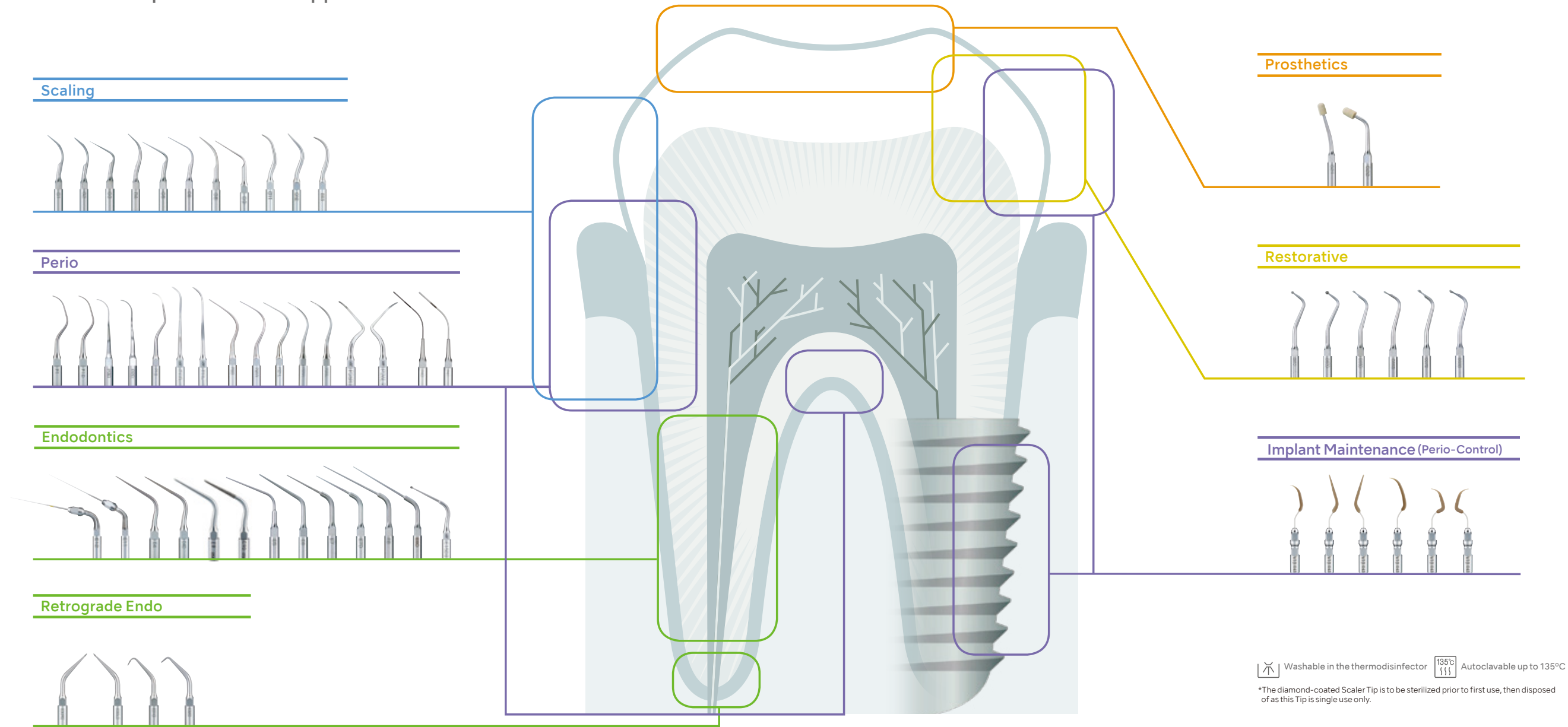
Specifications :

- 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)



Tip Variations

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



Washable in the thermodisinfectors ^{135°C} Autoclavable up to 135°C
 *The diamond-coated Scaler Tip is to be sterilized prior to first use, then disposed of as this Tip is single use only.

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 helps an effective cleaning application without unwanted impact on the tooth surface or soft tissue.

Cross-section / tip	Material / tip end	Results of scaling treatment	Kind to teeth	For	Cross-section / tip	Material / tip end	Results of scaling treatment	Kind to teeth	For
G1, G5, G6 G8, G9	Metallic mirror finish			Scaling at and below the gumline	P10 P11R/L, P26R/L	Metallic sharp edge			Scaling below the gumline
P1, P20 P21R/L, P25R/L	Metallic mirror finish			Stain removal at and below the gumline / maintenance	P40, P41	Metallic, lateral tip, two point water irrigation			Irrigation and Cleaning
P1D, P2D, P3D	Metal diamond machining			Scaling below the gumline (adjacent surface / bifurcation)	V-P10, V-P11R/L V-P12, V-P26R/L	Plastic			Prosthetic repair work Implants

See Our Web site or Tip Guide for details.



Varios Series
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Prophy-Mate neo Air Powered Tooth Polishing System

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

NSK's unique twin nozzle has a powerful powder discharge that will deliver a powerful supragingival polish when used in conjunction with NSK FLASH pearl powder.

The long and slim handpiece, paired with the small nozzle tip improves accessibility around all tooth surfaces.

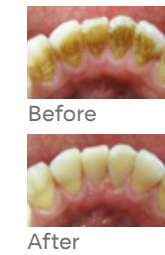
Cleaning can be performed quickly, even in interproximal and difficult to reach areas.

The grip is comfortable to hold and allows for flexible operation.



Improved Polishing Power

NSK's original twin nozzles offer greater polishing power with its powerful jets that reduce cleaning time, allowing you to see more patients.



Easily Detachable Nozzles with 60° and 80°

Includes both 60 and 80 degree nozzles that customize your cleaning. The 60 degree nozzle is ideal for the molar area and the occluding surface and the 80 degree nozzle is ideal for anterior teeth.



Smooth and Easy 360° Swivel

Twin joints have a smooth 360 degree rotation for easy operability and flexibility, allowing the clinician to effortlessly adjust the nozzle angles.






Simple One-touch Connection

The Prophy-Mate neo is designed for a one-touch attachment to NSK couplers and other major coupler brands. The handpiece also can be attached to the powder case with one-touch operation.



Coupler Lineup

	NSK	KaVo®	M4
MODEL	PMNG-PTL-P	PMNG-KV-P	PMNG-M4-P
ORDER CODE	Y135029	Y135030	Y135034
COUPLER TYPE	 NSK Couplers	 KaVo® Coupler	 Connect direct to the handpiece tubing MIDWEST

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

 The handpiece can be washed in the thermosinfectant

 Autoclavable up to 135°C

No light during use (when using optic coupler).

FLASH pearl Cleaning Powder

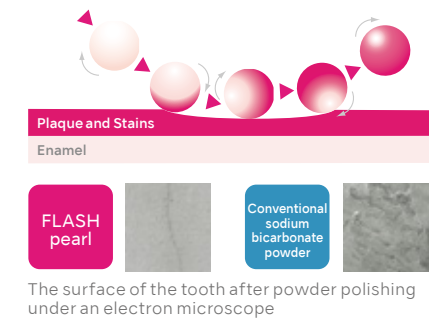
Effective Cleaning Results with Gentle Powder

Not salty! The powder is less noticeable due to the delicate flavor, and provides a gentle tooth surface cleaning for the patient. The secret behind intense cleaning and a smooth finish? Calcium-based spherical particles that are a fine powder with an average size of 54 µm with a movement that rolls across the tooth surface. This movement limits the damage to the tooth and rapidly removes plaque and stains.



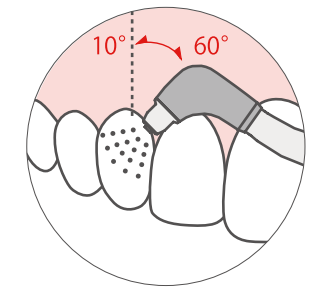
Sparkling Results Every Time

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



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 of 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: FLASH pearl ORDER CODE: Y900693

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



MODEL: FLASH pearl (Bottle) ORDER CODE: Y900698

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

iProphy mobile Hygiene Cordless Handpiece



Cut the cord

iProphy mobile has been developed to deliver comfortable and smooth polishing performance. The cordless design produces stress-free treatment realized by no foot control and stable rotation throughout procedures.

Cordless System

Simple power control

Your choice of Prophy Angle



Compatible with any standard disposable prophy angle*

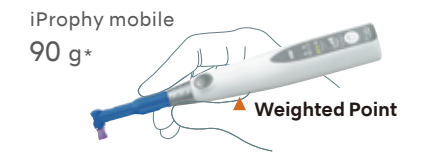
Ability to customize patient treatment through use of different prophy angle types.

*Disposable prophy angles are not available from NSK. Any commercially available disposable prophy angle handpieces compatible to ANSI/ADA N.85-1:2004 can be used with the iProphy mobile.



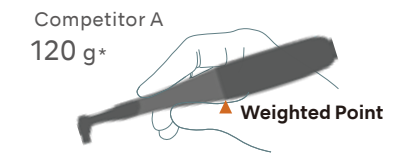
Cordless, lightweight and well-balanced

Better access to reach the posterior and less wrist stress during the prophylaxis procedure.



2 ways to operate

By simply changing the attaching angle, you can hold the iProphy in 2 different ways. It is possible to select way of holding based on your preference.



*without disposable prophy angle

Custom disposable sleeve

50 custom designed disposable sleeves are included,

When choosing a handpiece sleeve select one which is closest to the model listed below and works best for your particular use.
Handpiece Sleeves Example: 50 x 120 mm Syringe Cover / Syringe Sleeve



NON-OPTIC

MODEL : iProphy mobile Complete set ORDER CODE : Y1004158

Contents :
 ● iProphy mobile Motor ● iProphy mobile Stand
 ● AC adaptor ● Handpiece sleeve (50 pcs.)

Specifications (Motor handpiece) :

- Speed : 500-2,500 rpm
- Rated Output : 3 W
- Dimensions : L 150 x W 25 x D 25 mm
- Weight : 90 g
- Charging time : Approx. 90 min



Varios Series
 Prophy-Mate neo
 FLASH pearl
 iProphy mobile
 iProphy Air
 Contra-angles
 Spare Parts

iProphy Air

Prophylaxis Air Motor

The Future of The Dental Hygiene Handpiece

User-friendly Design

Our slim and easy-to-grasp design is up to 15% lighter and 10% shorter than competitive handpieces, reducing hand fatigue.

Whisper Quiet

Patient comfort is enhanced with the iProphy Air's virtually silent operation.

Versatile

The iProphy Air will work with all standard doriot style disposable or metal angles, and connects directly to all 4-hole tubing.



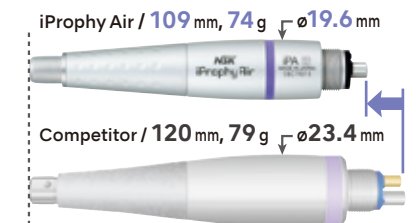
Nosecone Separates from Motor

The handpiece's unique two-part construction allows for just the nosecone portion to be sterilized. Additional nosecones may be purchased separately (see Parts and Accessories section for item detail).



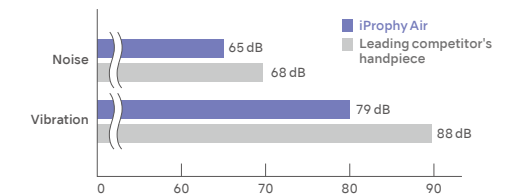
Slimmer, Shorter and Lighter

Sophisticated methods were used in the design of the iProphy Air handpiece. It is slim, short, and light, providing balance and less fatigue for the Hygienist.



Smooth and Quiet

NSK's ultra-precision micro machining technology has been applied to all parts of the iProphy Air. This reduces vibration and noise, resulting in improved comfort for both the patient and the Hygienist.



NON-OPTIC MODEL: **iProphy Air** ORDER CODE: **M1020**

- Max Speed : 3,000 min⁻¹ ● Midwest 4 hole

Contents:

- iPA-HP ● iPA ● iProphy Air Color Ring Set (Pack of 4)



NON-OPTIC MODEL: **iPA-HP** ORDER CODE: **M1020005**

- Nosecone Only



135°C Autoclavable up to 135°C

Contra-angles

NON-OPTIC
Prophylaxis Handpieces



Screw cup polishing

FX series



Gear Ratio 4:1 Reduction

NON-OPTIC MODEL : **FX57** ORDER CODE : **C1054002**

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



Paste defence system

EX Series



Heads

NON-OPTIC MODEL : **AR-Y(S)** ORDER CODE : **C187**

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

NON-OPTIC MODEL : **AR-Y(K)** ORDER CODE : **C188**

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

Shanks

NON-OPTIC MODEL : **EC** ORDER CODE : **C100008**

- 1:1 Direct Drive

NON-OPTIC MODEL : **ECM** ORDER CODE : **C100007**

- 1:1 Direct Drive

EVA tip polishing

EX Series



Head

NON-OPTIC MODEL : **EVA-Y** ORDER CODE : **C235**

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

Shank

NON-OPTIC MODEL : **ER4** ORDER CODE : **C634**

- 4:1 Reduction






Washable in thermosinfector
(Except FX57, EC, ER4)



Autoclavable up to 135°C

SPARE PARTS

Varios 970 / 370

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
Water Supply Connector		U387030
Water Filter Set (2 m) 2 water supply tube, water filter, water filter case		U387040

MODEL	PRODUCTS	ORDER CODE
Water Supply Tube (2 m)		U387580
Water Filter Case		Y900069
Water Filter		U387042
Tube Ring (Pack of 2)		Y900077
Tip Wrench (CR-10)		Z221076

MODEL	PRODUCTS	ORDER CODE
E Tip Replacement Wrench		Z217399
Tip Cover L		Z217850
Tip Cover S		Z217851
Varios 350/370 Stand		Z254
Varios 350/370 Mounting Bracket		Z259

iProphy mobile

MODEL	PRODUCTS	ORDER CODE
iProphy mobile Motor		E1080
Handpiece sleeve (500pcs.)		E1080056

MODEL	PRODUCTS	ORDER CODE
iProphy mobile Stand		U1091003

MODEL	PRODUCTS	ORDER CODE
AC adaptor		Y1002870

iProphy Air







MODEL	PRODUCTS	ORDER CODE
iPA-HP		M1020005






MODEL	PRODUCTS	ORDER CODE
iPA		M1020006

MODEL	PRODUCTS	ORDER CODE
iProphy Air Color Ring Set (Pack of 4)		Y1002594

Prophy-Mate neo

MODEL	PRODUCTS	ORDER CODE
PMN-HP Handpiece with 60° nozzle head		T797010
Nozzle 60°		T797012
Nozzle 80°		T797013
Powder Case Cover		T798133
Gasket		T798135
O-ring (neo) (Rear Nozzle)		D0312029070

MODEL	PRODUCTS	ORDER CODE
PTL O-ring Set (Pack of 5)		Y900580
PM O-ring Set (Pack of 3)		Y900054
Ring Wrench		T797601
Blower Nozzle-PTL (neo)		T798094
Blower Nozzle-KV (neo)		T886094
Blower Nozzle-M4 (neo)		T884094

MODEL	PRODUCTS	ORDER CODE
Lubrication Oil		Z016112
Cleaning Wire (L)		T798091
Cleaning Wire (S)		T798095
Cleaning File		T798092
Cleaning Brush		T798093

 Washable in the thermoisinfector  Autoclavable up to 135°C

Manufacturer

NAKANISHI INC. www.nsk-inc.com
700 Shimohinata, Kanuma, Tochigi 322-8666, Japan

NSK America Corp. www.nskdental.com
1800 Global Parkway, Hoffman Estates, IL 60192, USA

Specifications are subject to change without notice.

Varios Series

Prophy-Mate neo

FLASH pearl

iProphy mobile

iProphy Air

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Spare Parts