



**Varios**  
iPiezo engine®



EC REP

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Versatile Power & Performance



# Varios<sup>®</sup> iPiezo engine<sup>®</sup>

## Follow Your Intuition

The new, stylish and versatile Varios series features the intuitive NSK iPiezo engine offering you more effective and efficient treatment in all clinical applications. Together with a wide range of tips, the applications are endless; from Perio, Scaling and Endodontic functionality to Implant maintenance. Twin LED lights at the head of the slim-line handpieces ensures much clearer vision and allows for easier identification of calculus and plaque during oral hygiene and scaling procedures.

# Varios2 Handpieces

## Outstanding Performance

Weighs only 33g, Varios handpiece's slim and easy-to-handle body offers superior performance while reducing your fatigue even in long use. The twin LED lights assure excellent, virtually shadow free visibility, dramatically improving working conditions in the operating area. A lightweight, compact and comfortable handpiece delivers outstanding performance to meet your needs in a variety of clinical practices.

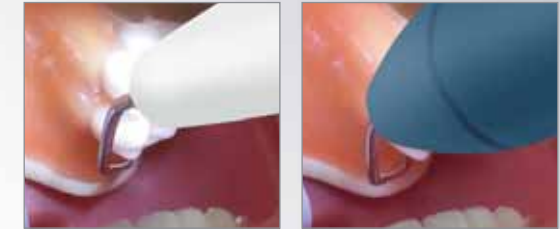
## Advantages

- Slimmest and lightest\* handpiece with LED illumination
- Twin LED lights through twin optical glass rods
- Optic and non-optic handpieces available
- Extensive tip range for a wide range of applications



## Well Balanced, Slimmest and Lightest Handpiece with LED Illumination

By using the slim handpiece excellent accessibility and high visibility is ensured, offering more comfortable use. The handpiece can be repeatedly autoclaved up to 135°C and disinfected as well.



Varios2 Handpiece

Competitor



Optic



Non-Optic



Twin LED lights



**NSK LED delivers natural daylight quality light bringing significant advantages to the way you work**

**Clearer** : LEDs generate natural daylight quality light which assures clearer vision when compared to halogen light.

**Durable** : LED light sources are longer lasting and more durable than halogen bulbs.

\*as of Nov. 2009



Washable in the thermodisinfectior



Autoclavable up to 135°C

# Varios 970 **Optic / Non-Optic** iPiezo engine®

## Multifunction Portable Unit for Extreme Versatility

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



### Large LED Display

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



### iPiezo engine®

#### Feedback Function

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

#### Auto Tuning Function

Auto Tuning Function provides stable and smooth frequency to the tip at the selected power range. It allows the operator to feel the power output and approach the treatment precisely which ensures the ideal result.



### Easily Interchangeable Solution Bottles

2 large 400ml bottles are quickly and easily exchanged. Appropriate solution can be used for several clinical purposes.



### Memory Function

User settings including power and volume are memorized internally saving valuable time. Additionally, even during power failures, these user settings remain intact.

### Simple Unit Design for Clean Maintenance

Simple and seamless unit design realizes optimum hygiene for daily use.

### Irrigation Setting with Right and Left Bottle and Tap Water

Varios 970 can use both right and left bottle, and tap water. Select the Irrigation Mode with the select key on the front panel. LED on front panel indicates which bottle is in use.



# Varios 970 **Optic / Non-Optic** iPiezo engine®

## 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 and handpiece at the push of a button after the use of special solutions. Activating Varios 970 auto cleaning mode flushes both irrigation lines independently.



## Dial Function

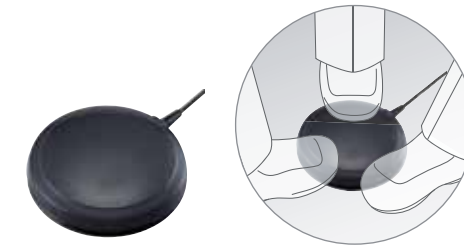
The newly designed interface, dial type and palmtop type, makes it easy to adjust and control the water volume from the attached bottle and water supply.



## 360° Foot Control

New Varios Foot Control can be operated easily from any angles.

MODEL: **FC-70**  
ORDER CODE: **Z1008001**  
• 2.5m cord



## Sterilization Cassette, Tip Wrench

The Sterilization Cassette is designed for the safe processing and storage of Varios components.

MODEL: **Tip Wrench**  
ORDER CODE: **Z221076**

MODEL: **Sterilization Case**  
ORDER CODE: **Z1035001**



## Varios 970 Complete Sets



### Optic Varios 970 Optic Complete Sets

MODEL: **VA970 LUX (120V)** ORDER CODE: **Y1001166**

MODEL: **VA970 LUX (230V)** ORDER CODE: **Y1001168**

### Non-Optic Varios 970 Non-Optic Complete Sets

MODEL: **VA970 (120V)** ORDER CODE: **Y1001174**

MODEL: **VA970 (230V)** ORDER CODE: **Y1001175**

### Specifications

- Power supply : AC 120V or 230V 50/60 Hz
- Frequency : 28-32 KHz
- Max. output : 11 W (G mode)
- Dimensions : W160 x D270 x H190 (mm)  
(Including Bottle)
- Unit weight : 2.1 kg (Except attachment)
- Bottle volume : 400 mL (x 2 bottles)

### Contents

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



# Varios 370 Optic / Non-Optic iPiezo engine®

## Compact Multipurpose Control Unit at Your Fingertips

Varios 370 has been especially developed to offer a compact, portable control unit allowing easy installation into any dental unit. It is simple to operate and suitable for a variety of clinical procedures.



### Advantages

- Powered by iPiezo engine
- Potable ultra compact body
- Simple and intuitive operation control panel
- Large water adjustment and power knob for easy operation
- Holders are available for various installation
- Handpiece is washable in the thermodisinfectant and autoclavable up to 135°C

### Control Unit Holder

Control Unit Holder is available for various install positions.



### Varios 370 Units Installation Examples



On the dental console arm with Stand (optional).



On/Under the dental bracket table with Control Unit Holder



Behind the rear of the dental mobile cart with Mounting Bracket (optional).

### Varios 370 Complete Sets



#### Optic Varios 370 Optic Complete Sets

MODEL: **VA370 LUX (120V)** ORDER CODE: **Y1001958**

MODEL: **VA370 LUX (230V)** ORDER CODE: **Y1001343**

#### Non-Optic Varios 370 Non-Optic Complete Sets

MODEL: **VA370 (120V)** ORDER CODE: **Y1001956**

MODEL: **VA370 (230V)** ORDER CODE: **Y1001340**

#### Specifications

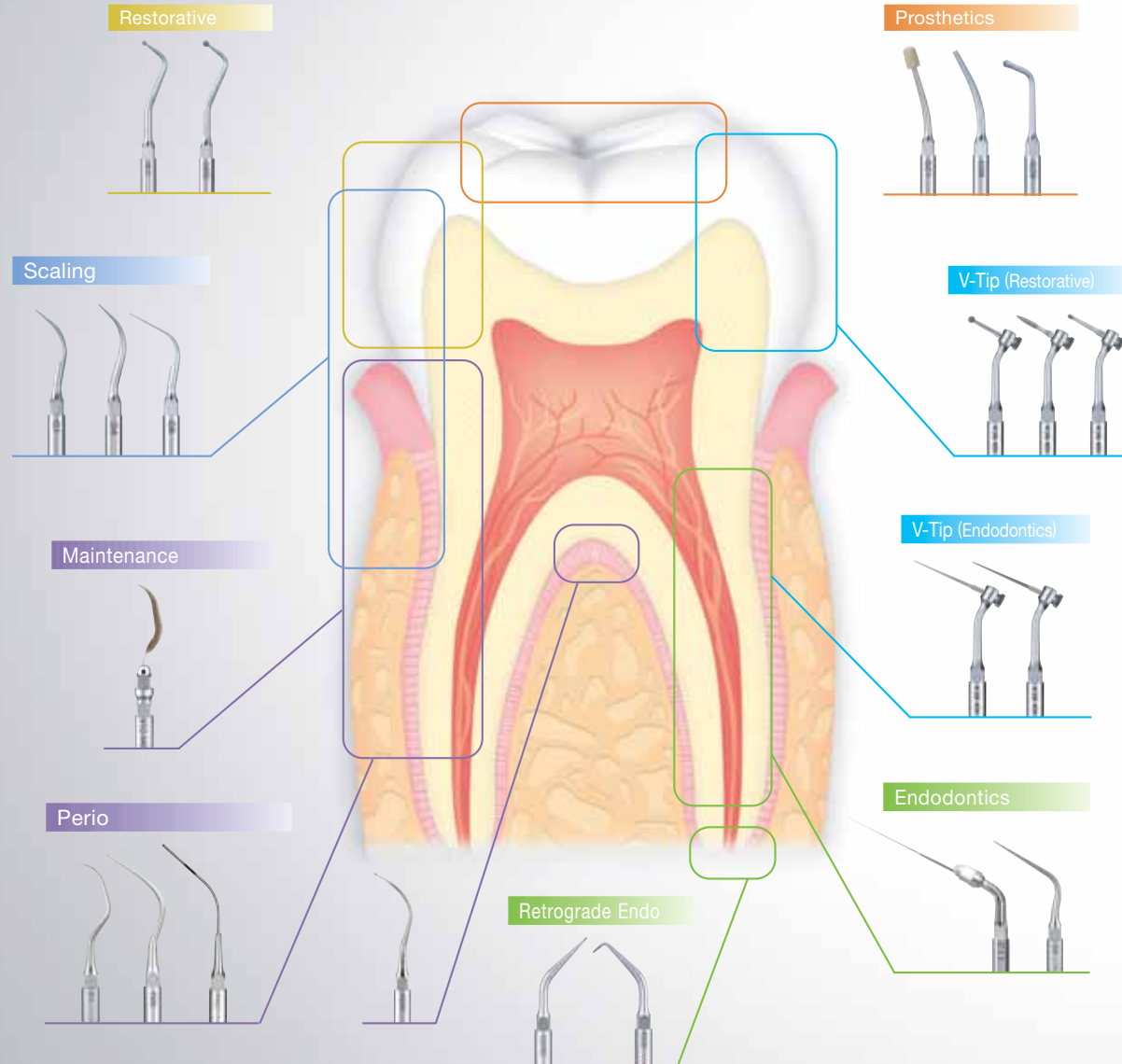
- Power supply : 100-240V AC 50/60 Hz
- Frequency : 28-32 KHz
- Max. output : 1.1 W (G mode)
- Dimensions : W80 x D115 x H32 (mm)  
(with out knob and cord)
- Unit weight : 0.43 kg (without attachment)

#### Contents

- Control unit with handpiece cord
- Control unit holder
- AC adaptor
- Handpiece
- Handpiece holder
- Water filter set
- Water supply connector (120V only)
- Foot control (FC-71)
- 3 Scaling tips (G4, G6, G8)
- Tip wrench with torque limiter

# Varios tips

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



\* The direction of the tip's curve is defined by the tip's anterior view.

## Scaling

Cross Section Diagram	Tip Image 1	Tip Image 2	Tip Image 3	MODEL: <b>G1</b>	ORDER CODE: <b>Z217101</b>
				MODEL: <b>G1-E</b>	ORDER CODE: <b>Z291101</b>
				MODEL: <b>G2</b>	ORDER CODE: <b>Z217102</b>
				MODEL: <b>G2-E</b>	ORDER CODE: <b>Z291102</b>
				MODEL: <b>G3</b>	ORDER CODE: <b>Z217103</b>
				MODEL: <b>G3-E</b>	ORDER CODE: <b>Z291103</b>
				MODEL: <b>G4</b>	ORDER CODE: <b>Z217104</b>
				MODEL: <b>G4-E</b>	ORDER CODE: <b>Z291104</b>
				MODEL: <b>G5</b>	ORDER CODE: <b>Z217105</b>
				MODEL: <b>G6</b>	ORDER CODE: <b>Z217106</b>
				MODEL: <b>G6-E</b>	ORDER CODE: <b>Z291106</b>
				MODEL: <b>G8</b>	ORDER CODE: <b>Z217108</b>
				MODEL: <b>G11</b>	ORDER CODE: <b>Z217411</b>
				MODEL: <b>G12</b>	ORDER CODE: <b>Z217412</b>
				MODEL: <b>G13</b>	ORDER CODE: <b>Z217413</b>



G1  
Single rooted / Multi rooted



G4  
Single rooted / Multi rooted



G6  
Single rooted / Multi rooted



G8  
Single rooted / Multi rooted



Washable in the thermoisinfectant



Autoclavable up to 135°C

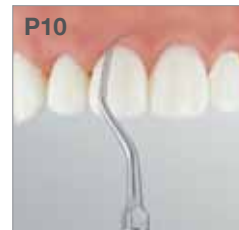


## Perio (Root Planing)

			MODEL: <b>P1</b>	ORDER CODE: <b>Z217404</b>	
			MODEL: <b>P1D</b>	ORDER CODE: <b>Z217405</b>	
	• Diamond coated				
			MODEL: <b>P2D</b>	ORDER CODE: <b>Z217402</b>	
	• Diamond coated • Right curved tip				
			MODEL: <b>P3D</b>	ORDER CODE: <b>Z217403</b>	
	• Diamond coated • Left curved tip				
			MODEL: <b>P10</b>	ORDER CODE: <b>Z217410</b>	
	• Sharp edge				
			MODEL: <b>P11R</b>	ORDER CODE: <b>Z217408</b>	
	• Right curved tip				
			MODEL: <b>P11L</b>	ORDER CODE: <b>Z217409</b>	
	• Left curved tip				
			MODEL: <b>P20</b>	ORDER CODE: <b>Z217420</b>	
			MODEL: <b>P20-E</b>	ORDER CODE: <b>Z291420</b>	
			MODEL: <b>P21R</b>	ORDER CODE: <b>Z217422</b>	
	• Right curved tip		MODEL: <b>P21R-E</b>	ORDER CODE: <b>Z291422</b>	
			MODEL: <b>P21L</b>	ORDER CODE: <b>Z217421</b>	
	• Left curved tip		MODEL: <b>P21L-E</b>	ORDER CODE: <b>Z291421</b>	



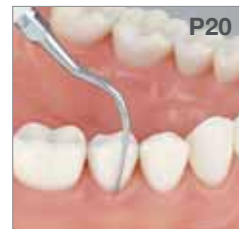
Single rooted



Single rooted / Multi rooted



Single rooted / Multi rooted



Single rooted

## Perio (Root Planing)

			MODEL: <b>P25R</b>	ORDER CODE: <b>Z217424</b>	
	• Right curved tip		MODEL: <b>P25R-E</b>	ORDER CODE: <b>Z291424</b>	
			MODEL: <b>P25L</b>	ORDER CODE: <b>Z217425</b>	
	• Left curved tip		MODEL: <b>P25L-E</b>	ORDER CODE: <b>Z291425</b>	
			MODEL: <b>P26R</b>	ORDER CODE: <b>Z217426</b>	
	• Right curved tip		MODEL: <b>P26L</b>	ORDER CODE: <b>Z217427</b>	
	• Left curved tip				



Single rooted / Multi rooted



Single rooted / Multi rooted

## Perio (Irrigating and Cleaning)

			MODEL: <b>P40</b>	ORDER CODE: <b>Z217550</b>	
	• For irrigation (ø 0.6 mm)				
			MODEL: <b>P41</b>	ORDER CODE: <b>Z217555</b>	
	• For irrigation (ø 0.8 mm)				



Dual irrigation points

## Maintenance (V-Tip)

	V-Tip Holder		MODEL: <b>V10</b>	ORDER CODE: <b>Z217041</b>	
		* Plastic Tip is not included			
					• Includes E-Tip replacement wrench
			MODEL: <b>V-P10</b>	ORDER CODE: <b>Y900184</b>	
					• Pack of 3



Single rooted / Multi rooted

\* The direction of the tip's angle is defined by the tip's anterior view.



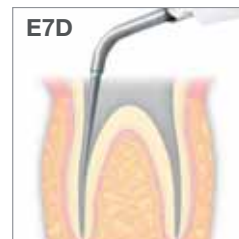
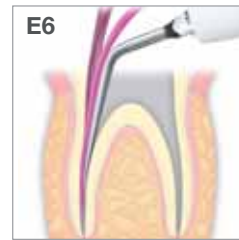
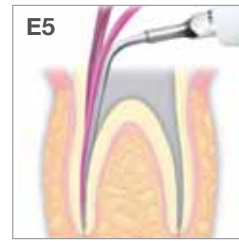
Washable in the thermoisinfectior



Autoclavable up to 135°C

## Endodontics

Cross Section Diagram ○			MODEL: <b>E4</b>	ORDER CODE: <b>Z217428</b>	NSK Satelec®	• For root canal cleaning
○			MODEL: <b>E4D</b>	ORDER CODE: <b>Z217528</b>	NSK Satelec®	• Diamond coated • For root canal enlargement
○			MODEL: <b>E5</b>	ORDER CODE: <b>Z217305</b>	NSK Satelec®	• Water not required • For lateral condensation
○			MODEL: <b>E6</b>	ORDER CODE: <b>Z217306</b>	NSK Satelec®	• Water not required • For lateral condensation
○			MODEL: <b>E7</b>	ORDER CODE: <b>Z217307</b>	NSK Satelec®	• Water not required • For removal of filling and foreign material
○			MODEL: <b>E7D</b>	ORDER CODE: <b>Z217317</b>	NSK Satelec®	• Diamond coated • For enlargement of root canal wall
○			MODEL: <b>E8</b>	ORDER CODE: <b>Z217308</b>	NSK Satelec®	• Water not required • For removal of filling and foreign material
○			MODEL: <b>E8D</b>	ORDER CODE: <b>Z217318</b>	NSK Satelec®	• Diamond coated • For enlargement of root canal wall
1.2 1.1 ○			MODEL: <b>E15D</b>	ORDER CODE: <b>Z217319</b>	NSK Satelec®	• Diamond coated • For locating root canals



## Retrograde Endo

120° Angle Holder for U files



95° Angle Holder for U files



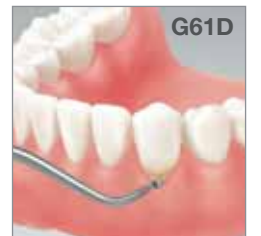
## Retrograde Endo

Cross Section Diagram ○			MODEL: <b>E30RD</b>	ORDER CODE: <b>Z217212</b>	NSK Satelec®	• Diamond coated • For posterior teeth (right angled)
○			MODEL: <b>E30LD</b>	ORDER CODE: <b>Z217213</b>	NSK Satelec®	• Diamond coated • For posterior teeth (left angled)
○			MODEL: <b>E31D</b>	ORDER CODE: <b>Z217210</b>	NSK Satelec®	• Diamond coated • For anterior and posterior teeth (70°)
○			MODEL: <b>E32D</b>	ORDER CODE: <b>Z217211</b>	NSK Satelec®	• Diamond coated • For anterior teeth (90°)



## Restorative (For Minimal Intervention)

0.9 1.0 ○			MODEL: <b>G61D</b>	ORDER CODE: <b>Z217601</b>	NSK Satelec®	• Diamond coated
1.23 1.4 ○			MODEL: <b>G62D</b>	ORDER CODE: <b>Z217602</b>	NSK Satelec®	• Diamond coated



Washable in the thermoisinfector



Autoclavable up to 135°C

## V-TIP System Line Up



V-Tip Holder



MODEL: **V30** ORDER CODE: **Z217030**  
 • Includes E Tip replacement wrench



### Restorative

#### For Minimal Intervention

MODEL: **V-G70** ORDER CODE: **Y900118**  
 • Diamond coated • Pack of 3

MODEL: **V-G71** ORDER CODE: **Y900119**  
 • Diamond coated • Pack of 3

MODEL: **V-G72** ORDER CODE: **Y900120**  
 • Diamond coated • Pack of 3

MODEL: **V-G75** ORDER CODE: **Y900121**  
 • Diamond coated • Pack of 3

MODEL: **V-G76** ORDER CODE: **Y900122**  
 • Diamond coated • Pack of 3

#### For Finishing / Trimming / Polishing

MODEL: **V-G77** ORDER CODE: **Y900165**  
 • Diamond coated • Normal Grade • Pack of 3

MODEL: **V-G78** ORDER CODE: **Y900166**  
 • Diamond coated • Fine Grade • Pack of 3

MODEL: **V-G79** ORDER CODE: **Y900167**  
 • Diamond coated • Super Fine Grade • Pack of 3

#### For Caries of Dentin

MODEL: **V-51** ORDER CODE: **Y900161**  
 • Stainless Tip • Pack of 3

MODEL: **V-53** ORDER CODE: **Y900162**  
 • Stainless Tip • Pack of 3

MODEL: **V-533** ORDER CODE: **Y900163**  
 • Stainless Tip • Pack of 3

### Endodontics

#### For Root Canal Cleaning

MODEL: **V-550** ORDER CODE: **Y900169**  
 • For root canal cleaning 17mm • Pack of 3

MODEL: **V-551** ORDER CODE: **Y900170**  
 • For root canal cleaning 23mm • Pack of 3

MODEL: **V-552** ORDER CODE: **Y900171**  
 • For root canal cleaning 26mm • Pack of 3

MODEL: **V-553** ORDER CODE: **Y900172**  
 • For root canal cleaning 32mm • Pack of 3

#### For Root Canal Enlargement

MODEL: **V-550D** ORDER CODE: **Y900173**  
 • Diamond coated • For root canal enlargement 17mm • Pack of 3

MODEL: **V-551D** ORDER CODE: **Y900174**  
 • Diamond coated • For root canal enlargement 23mm • Pack of 3

MODEL: **V-552D** ORDER CODE: **Y900175**  
 • Diamond coated • For root canal enlargement 26mm • Pack of 3

MODEL: **V-553D** ORDER CODE: **Y900176**  
 • Diamond coated • For root canal enlargement 32mm • Pack of 3

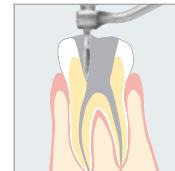
#### • Cervical decay removal



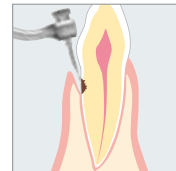
#### • Contact surface of tooth decay removal



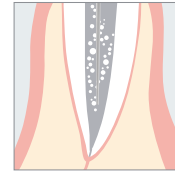
#### • Root canal enlargement



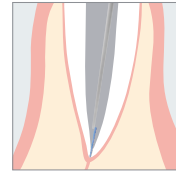
#### • Root decay removal



#### • Root canal cleaning



#### • Removal of broken files



## Spare Parts

MODEL	ORDER CODE	MODEL	ORDER CODE	MODEL	ORDER CODE
<b>VA2-LUX-HP</b> Optic Handpiece	E351050	<b>Water Supply Tube (4m)</b> 4m water supply tube for Varios 370	0914406 040	<b>Handpiece Holder</b> for Varios 370	10001505
<b>VA2-HP</b> Non-Optic Handpiece	E350050	<b>Water Filter Case</b>	Y900069	<b>VA Bottle 400</b> (400 mL) for Varios 970	Z1047002
<b>VA970LUX-SC</b> Handpiece Cord for Varios 970 LLUX	E351055	<b>Water Filter</b>	U387042	<b>Irrigation Pump</b> for Varios 970	10000643
<b>VA970-SC</b> Handpiece Cord for Varios 970	E350055	<b>Tube Ring</b> (Pack of 2)	Y900077	<b>O-ring</b> (for Handpiece Cord)	0310020 080
<b>FC-70</b> Foot control (2.5m)	Z1008001	<b>Tip Wrench</b> (CR-10)	Z221076	<b>O-ring (Thin section)</b> for VA Bottle	0312090 100
<b>FC-71</b> Foot control (5m) for Varios 370	Z1008002	<b>E Tip Replacement Wrench</b>	Z217399	<b>O-ring (Thin section)</b> for VA Bottle	0310075 150
<b>Water Supply Connector</b>	U387030	<b>Tip Holder</b>	Z221080	<b>Varios 350/370 Stand</b>	Z254
<b>Water Filter Set (2m)</b> (2m water supply tube, water filter, water filter case)	U387040	<b>Tip Cover L</b>	Z217850	<b>Varios 350/370 Mounting Bracket</b>	Z259
<b>Water Filter Set (4m)</b> (4m water supply tube, water filter, water filter case)	U1007046	<b>Tip Cover S</b>	Z217851	<b>Control Unit Holder</b>	Y1001812
<b>Water Supply Tube (2m)</b> 2m water supply tube for Varios 570/970	U387580	<b>Sterilization case</b>	Z1035001	<b>Spanner Wrench</b> (5x8)	Y1001301





A Wide Range of Tips to  
Expand Clinical Practice