Micromotors / Lighting systems / Loupes
Articulators / Ultrasonic cleaners
Microscopes / Precision scales / Amalgamator
Microtorches / Prophy mate polishers
Scalers / Apex locators / Intraoral cameras
Turbines / Curing lights / Whitening lamps

SCIENCE TECH
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catalogue
2013/14

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**Escort III**

* Portable and compact size
* On/Off foot switch
* Weight 1.25kg
* Size 112x147x78mm
* Forward and reverse switch
* Powerful control box

**Escort II PRO**

* High quality fashionable new machine
* A built in handpiece cradle and bit stand
* One touch change of the driving direction for efficient operations
* No noise, vibration or heat after long hours of operation
* Ergonomic design easy to grip and suitable to give low work fatigue
* Automatic safety overload protection system
* Variable speed control
* Weight 1.45kg
* Size: 140x155x90mm

**Mighty**

* Protective plastic cover
* Powerful control box
* Forward & reverse switch
* Compact and portable size
* Continuous variable speed control
* On/Off foot switch

**Control unit:**

* Voltage: 110/220V
* Cycle: 50/60Hz
* Electric Power: 45W
* R.P.M.: handpiece max
* Weight: 1.3kg
* Dimensions: 118(W)x156(D)x83(H)mm

**Motor handpiece:**

* Nonload: 0-35,000rpm
* Max torque: 300gf-Cm
* Electric Power: controller max
* Weight: 214g
* Dimensions: 152(L)x28.9(D)mm
Marathon N7

* Compact and ergonomic design
* Powerful torque and continuous variable speed control
* Easy change of the driving direction for efficiency
* Automatic stop and red light on with beeping sound when overloaded
* Variable speed control by hand or foot pedal.
* Weight 1.5kg
* Size 115x147x96mm

Available in two designs: traditional shape W9005 and the latest introduced shape W9005N

Marathon N7

- W9005 Complete set 0-45000rpm
  Supplied with rheostat

Marathon N7 NEW

- W9005N Complete set 0-45000rpm
  Supplied with rheostat

Accessories

- W9005H Handpiece 45.000rpm
- W9009H Handpiece 35.000rpm
- W9000C Carbon brush
Marathon N7R Eco 450

* Powerful torque and continuous variable speed control
* Easy change of the driving direction for efficiency
* Automatic stop and red light on with beeping sound when overloaded
* Variable speed control by hand or foot pedal.
* Weight 1.6kg
* Size 141x186x97mm

Excel 450

* Carbon brush motor
* Speed: 0-45000rpm
* Auto-cruise function
* Powerful torque
* Continuous variable speed control
* No heat after hours of operation
* Voltage: 100-120V / 200-240V
* Cycle: 50/60 Hz
* Electric power: 50VA
* Weight: 2.8kg
* Dimensions: 245(W)x260(D)x105(H)mm
**W9027** Complete set 0-50,000rpm
Supplied with rheostat

Marathon Eco 1000

Very high power, brushless controller. With a round cradle for the motor handpiece and digital LCD. Easy movable to anywhere.
*speed range: 1000~50000rpm
*torque: 7.8 Ncm

---

**W9013** Complete set 0-50,000rpm
Floor type foot lever system

Excel 800

Brushless controller, floor type work attached with its foot lever system. Auto-cruise function for convenient and perfect work. No over-heating even after a long hour performance thanks to an effective ventilation design. Torque: 7.8 Ncm
**Multi 600 Standard Laboratory brushless motor**

- Speed: 1000-50000rpm
- Low noise
- Low vibration
- Excellent durability
- Ceramic ball bearing
- Ergonomic design
- Vertical design for desktop
- Foot or hand operated
- Self diagnosis function
- Error code display function
- Weight: 3.1kg
- Size: 122x268x237mm

Also available:
- Multi 600 knee control style with a mounting bracket

**Handy 701 Laboratory brushless motor**

- Digital speed display: 1000-45000rpm
- Rotation speed display mode
- Vertical & portable type
- Variable speed control by hand dial or foot pedal
- Self diagnosis system; error code display function
- Auto cruise speed function
- Round cradle for handpiece mounted inside controller
- Convenient magnetic burr holder
- Max power: 230W
- Max torque set mode: 8.5N cm
- Weight: 2.7kg
- Size: 137x232x180mm

Also available:
- W9025 Handy 700 dual control system brushless and brush micromotor.
- W9026 Handy 702 two handpiece connectors
<table>
<thead>
<tr>
<th>Item code</th>
<th>Model</th>
<th>Capacity</th>
<th>Dimensions</th>
<th>Power</th>
<th>Timer</th>
<th>Heater</th>
<th>Discharge valve</th>
<th>Volume</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>U 050M</td>
<td>Fulgor 700</td>
<td>0,7 lt</td>
<td>length x width x height 145 x 85 x 65 mm</td>
<td>30 W</td>
<td>0 - 30 min</td>
<td>NO</td>
<td>NO</td>
<td>length x width x height 170 x 100 x 140 mm</td>
<td>U 050MB basket</td>
</tr>
<tr>
<td>U 051M</td>
<td>Fulgor 2000</td>
<td>2 lt</td>
<td>length x width x height 150 x 140 x 100 mm</td>
<td>50 W</td>
<td>0 - 30 min</td>
<td>NO</td>
<td>NO</td>
<td>length x width x height 160 x 150 x 210 mm</td>
<td>U 051MB basket</td>
</tr>
<tr>
<td>U 058M</td>
<td>Fulgor PRO 200X</td>
<td>2.5 lt</td>
<td>length x width x height 150 x 140 x 150 mm</td>
<td>50 W</td>
<td>0 - 30 min</td>
<td>NO</td>
<td>NO</td>
<td>length x width x height 160 x 150 x 250 mm</td>
<td>U 058MB basket</td>
</tr>
<tr>
<td>U 056M</td>
<td>Fulgor 2200</td>
<td>2.2 lt</td>
<td>length x width x height 235 x 135 x 67 mm</td>
<td>50 W</td>
<td>0 - 30 min</td>
<td>NO</td>
<td>NO</td>
<td>length x width x height 260 x 160 x 190 mm</td>
<td>U 056MB basket</td>
</tr>
</tbody>
</table>
### Fulgor 3000
- **Item code**: U052M
- **Model**: Fulgor 3000
- **Capacity**: 3 lt
- **Dimensions**: length x width x height 235 x 135 x 100 mm
- **Power**: 100 W
- **Timer**: 0 - 30 min
- **Heater**: 0 - 80 °C
- **Accessories**: U052MB basket (beaker holder + 2 beakers)

### Fulgor 4000
- **Item code**: U053M
- **Model**: Fulgor 4000
- **Capacity**: 4 lt
- **Dimensions**: length x width x height 235 x 140 x 150 mm
- **Power**: 150 W
- **Timer**: 0 - 30 min
- **Heater**: 0 - 80 °C
- **Accessories**: U053MB basket

### Fulgor PRO300X
- **Item code**: U059M
- **Model**: Fulgor PRO300X
- **Capacity**: 4 lt
- **Dimensions**: length x width x height 235 x 140 x 150 mm
- **Power**: 150 W
- **Timer**: 0 - 30 min
- **Heater**: 0 - 80 °C
- **Accessories**: U059MB basket

### Fulgor 9000
- **Item code**: U055M
- **Model**: Fulgor 9000
- **Capacity**: 9 lt
- **Dimensions**: length x width x height 300 x 240 x 150 mm
- **Power**: 200 W
- **Timer**: 0 - 30 min
- **Heater**: 0 - 80 °C
- **Accessories**: U055MB basket
For item code of baskets and beakers please refer to the pages dedicated to ultrasonic machines.

**U064** Adjustable ultrasonic machine - 4lt

Ultrasonic cleaner with digital display.
Featuring adjustable power (60 to 100W) and adjustable frequency (20 to 40Khz).
Heating: 0-80 degrees.
Timer: 0-60 minutes.
With discharge valve.
Capacity: 4lt
Tank size (LxDxH): 235x168x290mm
Net weight: 4kg

**U026** Scoop for ultrasonic machine

**U070** Plastic ultrasonic cleaner 600ml

Ultrasonic cleaner with LCD display.
Power: 50W
Frequency: 43khz
Tank capacity: 600ml
5 Timers: 01'30",03'30",04'30",06'00",07'30"
Volume: 206x175x147mm.
Innovative articulator, allow to operate without using dental plaster:
* save working time
* save cost of dental plaster
* easy and fast mounting
* better presentation to dentist
* protect the original plaster model
* wide range of accessories
* very light and comfortable
* affordable price

**Articulator Magicart 1, half mouth**

**Articulator Magicart 2, full mouth**

**Articulator AT100**

E100 Simplex Articulator is simple to use and accessible to multifarious occlusion adjustments.
1. It allows vertical, hinge and lateral movement. Also, it allows retrogressive movement slightly.
2. It has metal-magnetic plates. This enables remounting conveniently.
3. The upper member can be maintained in a level by using the rear adjusting screw even if the incisal pin is removed.

**Articulator PRO AT500**

C.S.A. 500 Articulator has Spring-Sliding System which enables smooth lateral and protrusive movements.
1. The frame design provides fully open access from the lingual position for easy access and optimum posterior access. It guarantees visibility during laboratory procedures.
2. The bended frame design enables “30 degree standing” for optimum viewing.
3. Interchangeable plates are included
4. The rounded edges and frame corners improve feel of operation, and the light weight aluminium frame enhances the efficiency of operation.
5. The UV curable coated C.S.A 500 Articulator has increased chemical resistance and temperature endurance adding elegant refinement.
LABORATORY DIVISION

TANGENT PRECISION SCALES

Precision pocket scales, accuracy 0.1g.

- B1060  Tangent 120g x 0.1
- B1061  Tangent 200g x 0.1
- B1062  Tangent 300g x 0.1

CALIPERS

- H1246  Electronic caliper 0/15 mm
  Precision 0.01mm

- H1245  Dial caliper 0/10 mm
  Precision 0.1mm

MICROTORCHES

- M1360  Microtorch GB 2001
  Dimensions: 85x143x46mm
  Weight: 214g
  Capacity: 26g
  Time length: 2 hours.
  Flame temperature: 1300°

- M1361  Microtorch GT 3000
  Dimensions: 85x143x46mm
  Weight: 214g
  Capacity: 10g
  Time length: 30 minutes.
  Flame temperature: 1300°
WAX CARVING PENCIL

H1311N  DS140N - Digital wax carving pencil, 1 pen
Power: 12W
Temperature: 50° C - 200°C
Dimensions: 76x119x63mm
Weight: 0.56kg

H1306  DS110 - Digital wax carving pencil, 2 pens
Power: 20W
Temperature: 50° C - 200°C
Dimensions: 119x159x73mm

WAX POT

H1305  DS400 - wax pot 4 compartments
Power: 120W
Temperature: 50° C - 120°C
Dimensions: 192x114x70mm

H1312  DS200 - wax pot 1 compartment
Power: 60W
Temperature: 50° C - 120°C
Dimensions: 108x137x70mm

POWER VIBRATOR

H1323  DS530 - power vibrator
Power: 110W
Dimensions: 140x140x76mm
Weight: 1.6kg

WAX HEATER

N1312  Wax heater HEATING CLEAR
The heating clear is the safe alternative to bunsen burners and open flame devices. It allows technicians to use their desired waxing tools. It heats up instantly and is easy to use: just hold the pen in the cavity and the pen is heated and ready to use.
Technical features:
INPUT AC 220V - 240V 50/60 HZ - POWER 100W FUSE T2AL 250V.
Dimensions: 91x209mm - height 89mm. Weight: 600grams
LABORATORY DIVISION

PALETTES AND BRUSHES FOR CERAMIC

H1314 Porcelain plate, small size
Dimensions: 152x115 mm
Contents: * permanent metal filter, 1pc
          * absorption paper, 10 sheets
          * porous ceramic base, 1pc

H1315 Porcelain plate, medium size
Dimensions: 320x184 mm
Contents: * permanent metal filter, 3 sheets
          * absorption paper, 30 sheets
          * porous ceramic base, 3pcs

H1314A Porcelain plate, 17 colors
Dimensions: 320x184 mm

H1316B Brush set 6pcs
Brush set, contents: porcelain build-up brushes #8, #6, #4, #2, #0; porcelain opaque brush #4

H1316A Build-up full set
Complete set, contents: porcelain brushes, mixing stick, painting stick, porcelain blade, porcelain carving

H1317C Porcelain powder scoop set
Metric scoop for dental cement, resin and porcelain powder. Can be used for precise and clean measuring.
**H2100N**  **Portable magnifying lamp** with fluorescent light
Lamp with lens cover.  
Magnification: 1,75x (and additional 4x).  
12W fluorescent light.  
Height: 37cm

**H2100A**  **Spare bulb**

**H1900**  **Working lamp with security cover** (clamp included)
Working lamp with security cover (in silver color, to increase the light strength).  
3 fluorescent bulbs, 14W each, energy saving.  
Dimensions: the arm is composed of 2 parts for 50cm each.

**H1900B**  **Spare bulb**

**H1234C**  **Table lamp 2 tubes** (clamp included)
Working lamp, 2 bulbs x 14W.  
Dimensions: the arm is composed of 2 parts for 50cm each.

**H1234BB**  **Spare bulb**

**H1234CS**  **Spare starter**
**LABORATORY DIVISION**

**LIGHTING SYSTEMS**

**H1235C**  
Round lamp with magnifying lens  
(clamp included)  
Working lamp with 3 diopter magnifying lens (1.75x).  
Lens diameter: 12.5 cm.  
Light: 22W bulb.  
Dimensions: the arm is composed of 2 parts for 50cm each.

**H1235CB**  
Spare bulb

---

**H1238**  
Square lamp with magnifying lens  
(clamp included)  
Working lamp with 3 diopter magnifying lens (1.75x).  
Lens size: 17.5 x 13 cm.  
Light: 2 x 9W bulbs.  
Dimensions: the arm is composed of 2 parts for 50cm each.

**H1238B**  
Spare bulb

---

**LAMP accessories**

1. **H1233W**  
Base with wheels

2. **H1234B**  
Table base (10kg)

3. **H1235A**  
Accessory for hanging on the wall

4. **H1235T**  
Accessory for holding

5. **H1235CC**  
Clamp
ULTRASONIC PIEZO SCALERS EMS COMPATIBLE

**UDS-K** Ultrasonic piezo scaler, complete set

- Ultra声 piezo scaler.
- Functions: Scaling, perio
- Power Input: 220V-230V 50Hz/60Hz
- Output Power: 3W-20W
- Frequency: 28kHz±3kHz
- Water pressure: 0.01mPa
- Dimensions: 170mm x 111mm x 65mm
- Detachable handpiece
- Can be autoclaved under 135°C & 0.22mPa. 5 tips are included.

**UDS-P** Detachable handpiece, autoclavable. Scaling, perio, endo. Automatic frequency tracking. Also available with LED light, for better visibility.

- **UDS-P** Ultrasonic piezo scaler, complete set
- **UDS-P LED** Ultrasonic piezo scaler with LED light, complete set

<table>
<thead>
<tr>
<th></th>
<th>UDS-P</th>
<th>UDS-P LED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Input</td>
<td>100V to 240V - 50Hz/60Hz 1.2A (MAX)</td>
<td>110V-50Hz/60Hz or 220-240V-50Hz/60Hz</td>
</tr>
<tr>
<td>Main unit input</td>
<td>30V DC- 1.3A</td>
<td>24V - 1.3A</td>
</tr>
<tr>
<td>Output power</td>
<td>3W - 20W</td>
<td>3W - 20W</td>
</tr>
<tr>
<td>Frequency</td>
<td>28kHz ± 3kHz</td>
<td>28kHz ± 3kHz</td>
</tr>
<tr>
<td>Water pressure</td>
<td>0.1bar ~ 5bar (0.01MPa ~ 0.5MPa)</td>
<td>0.1bar ~ 5bar (0.01MPa ~ 0.5MPa)</td>
</tr>
<tr>
<td>Main unit weight</td>
<td>0.68kg</td>
<td>0.68kg</td>
</tr>
<tr>
<td>Adapter weight</td>
<td>0.3kg</td>
<td>1.2kg</td>
</tr>
<tr>
<td>Dimensions</td>
<td>178mmx145mmx89mm</td>
<td>178mmx145mmx89mm</td>
</tr>
</tbody>
</table>
UDS-L
Scaler with built-out liquid container.
* Three functions: Scaling, Perio and Endo.
* EMS handpiece and tips compatible
* Handpiece is cast from Titanium alloy to ensure maximum durability
* Detachable handpiece, autoclavable under high temperature (135°C) and pressure (0.22MPa) avoiding cross infections effectively.
* Soft and durable cable
* Five pieces of scaler tips included in the package (1pc G1 - 1pc G2 - 1pc G3 - 1pc G4 - 1pc P1)
* Digitally controlled, automatic frequency tracking ensures that the machine always works on the best frequency and more steadily.

Technical specifications:
Power input 220V-230V 50-60 Hz 150mA
Main Unit Input 24V - 1.3A
Output power 3W-20W
Frequency 28Khz +/- 3khz
Water pressure 0.01 MPa - 0.5 MPa
Dimensions 186x105x60mm
Weight 0.70Kg
Adapter weight 1.2kg

UDS-E
* Detachable handpiece, autoclavable.
* Scaling, perio, endo.
* Clinical solutions appilcable for automatic water supply mode, improving the performance of perio and endo function dramatically.
* Less heat from tip during operation. Improve comfort degree of patients.
Also available with LED light, for better visibility.

H1531 UDS-L ultrasonic piezo scaler, complete set
H1536 UDS-E ultrasonic piezo scaler, complete set
H1536L UDS-E ultrasonic piezo scaler with LED light, complete set
D5:
* Three functions: Scaling, Perio and Endo.
* Satelec handpiece and tips compatible
* Handpiece is cast from Titanium alloy to ensure maximum durability
* Detachable handpiece, autoclavable under high temperature (135°C) and pressure (0,22MPa) avoiding cross infections effectively.
* Soft and durable cable
* Scaler tips included in the package: 2pcs GD1 - 1pc GD2 - 1pc GD3 - 1pc GD4 - 1pc PD1 - 1pc ED1
* Digitally controlled, automatic frequency tracking ensures that the machine always works on the best frequency and more steadily

Technical specifications:
- Power input: 100V-240V 50-60 Hz 1,2A Max
- Main Unit Input: 30 VDC - 1,3A
- Output power: 3W-20W
- Frequency: 28Khz +/- 3khz
- Water pressure: 0,01 MPa - 0,5 MPa
- Dimensions: 188x159x81mm
- Weight: 0,65Kg

D7:
* Detachable handpiece, autoclavable.
* Scaling, perio, endo.
* Clinical solutions are applicable for automatic water supply mode, improving the performance of perio and endo function dramatically.
* Less heat from tip during operation. Improve comfort degree of patients.

Also available with LED light, for better visibility.
## TIPS FOR SCALERS

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
<th>Item Code</th>
<th>Description</th>
<th>Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>H1300A</td>
<td>G1</td>
<td>H1300L</td>
<td>GD1</td>
<td>Scaling removal of supragingival tartar on front teeth and molars collar</td>
</tr>
<tr>
<td>H1300B</td>
<td>G2</td>
<td>H1300M</td>
<td>GD2</td>
<td>Scaling removal of very hard tartar</td>
</tr>
<tr>
<td>H1300C</td>
<td>G3</td>
<td>H1300N</td>
<td>GD3</td>
<td>Scaling removal of supragingival, subgingival or interdental tartar</td>
</tr>
<tr>
<td>H1300D</td>
<td>G4</td>
<td>H1300O</td>
<td>GD4</td>
<td>Scaling removal and scaling of subgingival tartar</td>
</tr>
<tr>
<td>H1300E</td>
<td>P1</td>
<td>H1300P</td>
<td>PD1</td>
<td>Perio removal and scaling of subgingival tartar</td>
</tr>
<tr>
<td>H1300F</td>
<td>P3</td>
<td>H1300Q</td>
<td>PD3</td>
<td>Perio removal and scaling of subgingival tartar</td>
</tr>
<tr>
<td>H1300G1</td>
<td>(120° angled mounter, 0.8mm hole)</td>
<td>H1300R1</td>
<td>(120° angled mounter, 0.8mm hole)</td>
<td>Endo support for endodontic instruments used for cleaning and shaping the root canal or used for cavity preparation in endodontic surgery</td>
</tr>
<tr>
<td>H1300G2</td>
<td>(95° angled mounter, 0.8mm hole)</td>
<td>H1300R2</td>
<td>(95° angled mounter, 0.8mm hole)</td>
<td>Endo insert for gutta percha heating in all techniques that use lateral hot condensation</td>
</tr>
</tbody>
</table>

## HANDPIECES FOR SCALER

- **Handpiece (EMS compatible)**
  - **H1300/1**
  - **H1530A**

- **LED Handpiece (EMS compatible)**
  - **H1300/1L**
  - **H1530AL**
**H1298** Curing light 100nw

Technical specification:
1. Wave Lenght: 420nm to 480nm
2. Light Output: 1000 nW/cm²
3. Dimension: 22mm x 22mm x 150mm
4. Net weight: 85g
5. Automatic power off

**H1298A** Spare fiber optic

**H1298B** Spare base charger

**H1298C** Spare battery

---

**H3300** Curing light 800nW

Technical specifications
1. Power: 3 W
2. Light Output: 800nW/cm²
3. Wave Lenght: 420-480nm
4. Automatic power off
5. Dimension: 23x155mm
6. Weight: 150g

**H3300A** Spare fiber optic

**H3300B** Spare battery

**H3300C** Spare base

**H3300D** Spare charger

---

**H3400** Curing light 1200nW with digital display

Technical specifications
1. Power: 5 W
2. Light Output: 1200nW/cm²
3. Wave Lenght: 420-480nm
4. Automatic power off
5. Dimension: 23x155mm
6. Weight: 150g

**H3400A** Spare fiber optic

**H3400B** Spare battery

**H3400C** Spare base

**H3400D** Spare charger
DENTISTRY LINE

TURBINES

STANDARD TURBINE 1 SPRAY
Dental high speed spray turbine.
One spray, with push button, with quick coupling.
Supply air pressure: 177-216KPa (1.8-2.2kgf/cm²)
Turing speed: 300krpm   Chuck type: push button type.
Bur type: standard burrs

STANDARD TURBINE 3 SPRAY
Dental high speed turbine handpiece
with push button, with quick coupling.
Supply air pressure: 177-294KPa (1.8-3.0kgf/cm²).
Turing speed: 310-350krpm   Head height: 14,6mm
Head diameter: 12,4mm   Chuck type: push button type
Bur type: standard burrs

FIBER OPTIC TURBINE
Dental high-speed turbine handpiece with fiber optic with push button.
Supply air pressure: 177-294KPa (1.8-3.0kgf/cm²)
Turing speed: 310-350krpm
Head height: 14,6mm
Head diameter: 12,4mm
Chuck type: push button type
Bur type: standard burrs.
Kavo compatible

LOW SPEEED TURBINES
Dental low speed turbine handpiece.
Supply air pressure: 245-313Kpa.
2.5-3,2 kgf/cm²
Turing speed: 20000 - 30000 rpm / min.
Bur type: standard burrs
This amalgamator is controlled by a microprocessor. It ensures a controlled, consistent mix thanks to its wide oscillating range, (‘8’ shaped) the mixing frequency, and the timing (from 1 to 99s).

Specifications:
- Voltage: 220V/50Hz
- Absorbed power: 200W
- Forc movement
- Mixing frequency 4350 tr / mn (cpm)
- Amplitude: 25mm
- Functioning intermittent
- Programmable mixing time 1-99 sec
- Dimensions: 32x27x18.5cm
- Net weight 3.93 Kg

**H1321 Amalgamator**
DENTISTRY LINE

INTRAORAL CAMERAS

N4001  Intraoral camera SmartCam. For TV
Intraoral camera with RCA / VGA cable for video connection. Very high image quality. Beside the video connection this camera is equipped with a USB port to:
  * download images on your pc
  * use the usb cable to charge the camera directly from pc (alternatively you can charge with a/c adaptor)
Rechargeable lithium battery: support 100 minutes working time with a full charge.
Storage capacity: 3000 pictures
The MicroSD card is removable and can be replaced.
Powerful image processing chip allows to save, zoom, delete images.
Image sensor: 1/4 CMOS. 0.47 MegaPixel.
Resolution: 752*582 (PAL), 768*494 (NSTC)

N4002  Intraoral camera SuperCam. For PC
Intraoral camera with USB 2,0 connection. Compatible with the following operation systems: windows 2000/xp/vista/windows7 (32bit/64bit).
System requirements: CPU Pentium 4, 2 GHz or higher
Imager: 1/4 inch CMOS.
Focus range: 5mm to 30mm.
Illumination: 6led
USB cable length: 2,5 meters.
Handpiece weight: 40g
RAM: 256 MB
Adjustable brightness directly from the computer functions.

N4000  Intraoral camera CamAssist. For PC and TV
Intraoral camera, can be used with TV/S-Video cable, with LCD/VGA cable and with USB/PC cable.
High quality images, image sensor 1/4 Sony Super HAD CCD.
Focus: 5 to 45mm.
Illumination: 6 LED.
Cable length: 2 meters.
Weight: 46g
If used with pc it support windows 2000/xp/vista/windows7 (32bit).
DENTISTRY LINE

LED HEAD LIGHT SYSTEM WITH HEADBAND GALILEAN LOUPES

**M1506A**  Headband LED and galilean loupes 3x 340

- **Voltage**: AC-110V/220V 50 Hz
- **DC**: 3.4V/2200Ahr
- **Power**: 3W
- **Light color**: 6000K

LED HEAD LIGHT SYSTEM

**M1506**  Light for galilean loupes

- **Voltage**: AC-110V/220V 50 Hz
- **Light power**: 1W
- **Light color**: 6000k
- **Life of bulbs**: 10000 hours
- **Continuous use**: for 6-7 hours with a fully charged battery

Application

PULP TESTER

**H1316**  Pulp Tester C-PULSE

The electric pulp tester is used to measure the level of local anesthesia prior to operative treatment.

The electric pulp tester can be a valuable tool in predicting potential anesthetic problems in operative (restorative) dentistry.
Recommended for first time users as it is the easiest loupe to adjust to. The most popular model among dental students and dental hygienists. Wide field of view and generous depth of field with high enough power for daily dental procedures.

**Recommended for those who need more power.** If you are an experienced user of loupes and feel more power is needed. Or you need more precise observation, this model is for you.

3,5x is the highest magnification available in Galilean loupes. Up to 3,5x, the surgical loupes provide vision not obtainable with the naked eye, and allows you to perform most dental procedures, including cosmetic, crown and bridge and, of course, endodontics easier and more effectively.

If you need a 4x magnification you will need to choose prismatic loupes rather than galilean loupes.
### DENTISTRY LINE

**CONTRA ANGLES**

**W9026HR** Contra Angle  
Model: SP-RE16  
Ratio: 16:1  
Connector diameter: 19.6mm  
File change: Push Button  
Type: Angle type

**W9026H** Contra Angle  
Model: SP-CE  
Ratio: 1:1  
Connector diameter: 19.6mm  
File change: Button/Lever  
Type: Angle type

### STRAIGHT NOSECONES

**W9025HR** Straight Nosecone  
Model: ES04  
Ratio: 4:1  
Connector diameter: 19.6mm  
File change: Cam  
Type: Straight type

**W9025H** Straight Nosecone  
Model: ES6  
Ratio: 1:1  
Connector diameter: 19.6mm  
File change: Cam  
Type: Straight type

### AIR MOTORS

**W9800** Air Motor  
SDE-AMI (Internal Water Spray)

**W9801** Air Motor  
SDE-AME (External Water Spray)

-all made in Korea-
**W9028 Endo a Class** Endodontic Micromotor Handpiece

Cordless endodontic handpiece, can drive from 120 to 2000 rpm with its torque of 3.0 Ncm (16:1). Auto Stop Reverse ensures more safety for patients.

Model: Endo a Class  
Number of Program Memory: 4EA  
Battery type: 1.2V / 100mAh (2PCS)  
Max Torque: 3.0Ncm (with ratio 16:1)  
Charge / Continuous use: 90min / 90 min  
Speed range: 120–2000rpm (4:1, 10:1, 16:1, 20:1)

Dimensions (Handpiece) with Angle: 27(W) 29(D) 195(H)  
Dimensions (Charging Station Unit): 98(W) 115(D) 60(H)  
Weight (Handpiece) with Angle: 138g  
Weight (Charging Station Unit): 171g

When a limit value of a present torque gets exceeded, the handpiece stops immediately and runs automatically in reverse direction.
W9029  **Endo e Class** Endodontic Micromotor Handpiece

Can drive from 20 to 2900 rpm with its strong torque of 9.9 Ncm (except 6:1).
Auto Stop Reverse ensures more safety for patients.
Various Reduction gear ratio available: (6:1, 8:1, 10:1, 16:1, 20:1, 64:1).

When a limit value of a present torque gets exceeded, the handpiece stops immediately and runs automatically in reverse direction.

SDE-EM24E for Endo e Class is the E-Type Motor that can be widely compatible with other contra angles.

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Model: Endo e Class
Input: AC 100-120V 50/60Hz
AC 220-240V 50/60Hz
Number of Program Memory: 15EA
Max Torque: 9.9Ncm (except 6:1)
Speed range: 20-2900rpm (6:1, 8:1, 10:1, 16:1, 20:1, 64:1)
Dimensions (Handpiece) with Angle: 20(W) 168(L)
Dimensions (Charging Station Unit): 175(W) 125(D) 90(H)
Weight (Handpiece) with Angle: 125g
Weight (Charging Station Unit): 910g
**DENTISTRY LINE**

**E-TYPE MOTORS**

**W9005HE/A**  
**Autoclavable motor**  
Model: SDE-M33Es-B  E-Type Motor  
Non load rpm: 0-35000

**W9005HE/B**  
**Motor with ventilation (not autoclavable)**  
Model: SDE-M25Es  E-Type Motor  
0-25000 rpm

**W9005HE/C**  
**Motor with ventilation (not autoclavable)**  
Model: SDE-M33Es  E-Type Motor  
0-35000 rpm

**W9005HE/D**  
**Motor with ventilation (not autoclavable)**  
Model: SDE-M40Es  E-Type Motor  
0-40000 rpm

**PROPHY MATE POLISHERS**

Spread evenly no splash, special design to avoid sucking backward and avoid blocking. Easy to plug in and out, easy to clean and disinfect after use. Small and handy, compatible to various types of other units. 360 degree rotation, clean hidden tartar effectively in any part of teeth.

**H1313N**  
Prophy mate polisher, 4 holes coupler

**H1313T**  
Prophy mate polisher, 2 holes coupler

**H1313A**  
Spare nozzle

**H1313R**  
Spare rubber belt

Prophy mate polisher model PRO. Air micro polishing equipment. Advanced design and handy. It works connected to the handpiece tube and fits most turbine connections. Available 2 and 4 holes. Technical specifications:  
* air supply pressure: 3 - 4 bar  
* water supply pressure: 0.7 to 4 bar

**H1318**  
Prophy mate polisher, 4 holes coupler

**H1318A**  
Prophy mate polisher, 2 holes coupler

**H1318T**  
Spare nozzle

**H1318R**  
Spare rubber belt
Accurate measurement & clear display
* Special enlarged clear image display of apex.
* Equipped with clear bright LCD, clear image and different colors indicate the trajectory of the file clearly.
* Based on advanced dual frequency network impedance measurement technology and automatic calibrating ensures the measurements are accurate.
* Measurement can be proceeded in wet canals, canals with blood, physiological saline, NaClO or H₂O₂.
* The measurement can be applied to the different type of teeth, size of the root-canal and thickness of the file.
* When doing the measurement, the changes of the sound can indicate the position of the file in the root-canal.
* Work with four AAA batteries, low consumption of power and long working time.
* Automatic power-off function: dump energy can be monitored by power indicator. The equipment will power off automatically after 5 minutes idel state for power saving.
* The accessories of the Woodpex I can be autoclaved under the high temperature and high pressure, avoiding cross infection effectively.
* Fashionable design, compact, light weight and portable.

When the file reaches the front region of the apical foramen, the white bars are displayed.

When the file has gone to the position near by the apical foramen, the green bars are displayed.

When the file has exceeded the apical foramen, the red bars are displayed. A continuous beep sound will be generated at the same time.

Spare parts included
- Measuring wire
- Lip hook
- Measuring file
- File clip

**Technical Specifications**

<table>
<thead>
<tr>
<th>Model</th>
<th>Woodpex I</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display</td>
<td>LCD 3.2</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>&lt; 0.5 W</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>&lt; 0.5 W</td>
</tr>
<tr>
<td>Temperature limitation</td>
<td>+5°C / +40°C</td>
</tr>
<tr>
<td>Humidity limitation</td>
<td>&lt; 80%</td>
</tr>
<tr>
<td>Dimensions</td>
<td>85x74x121mm</td>
</tr>
<tr>
<td>Main unit weight</td>
<td>215g</td>
</tr>
</tbody>
</table>
When the file reaches the front region of the apical foramen, the white bars are displayed.

When the file has gone to the position near by the apical foramen, the green bars are displayed.

When the file has exceeded the apical foramen, the red bars are displayed. A continuous beep sound will be generated at the same time. (the buzzer will alert when the endo file is less than 2mm to the apex).

**H1340 Woodpex III - Apex Locator**

**Accurate measurement & clear display**
- Special enlarged clear image display of apex.
- Equipped with clear bright 4.5” LCD display, clear image and different colors indicate the trajectory of the file clearly.
- Foldable display for an adjustable visual angle.
- Based on advanced dual frequency network impedance measurement technology and automatic calibrating ensures the measurements are accurate.
- Measurement can be proceeded in wet canals, canals with blood, physiological saline. NaClO or H₂O₂.
- The measurement can be applied to the different type of teeth, size of the root-canal and thickness of the file.
- When doing the measurement, the changes of the sound can indicate the position of the file in the root-canal.
- Works with rechargeable batteries.
- Automatic power-off function: dump energy can be monitored by power indicator. The equipment will power off automatically after 5 minutes idle state for power saving.
- The accessories of the Woodpex I can be autoclaved under the high temperature and high pressure, avoiding cross infection effectively.
- Fashionable design, compact, light weight and portable.

**Spare parts included**

- Measuring wire
- Lip hook
- Measuring file
- File clip

**Technical Specifications**

<table>
<thead>
<tr>
<th>Model</th>
<th>Woodpex III</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display</td>
<td>Foldable LCD 4.5</td>
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<tr>
<td>Power</td>
<td>3.7V/750mAh</td>
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<tr>
<td>Power Consumption</td>
<td>&lt; 0.5 W</td>
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<tr>
<td>Temperature limitation</td>
<td>5°C - 40°C</td>
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<tr>
<td>Humidity limitation</td>
<td>&lt; 80%</td>
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<tr>
<td>Dimensions</td>
<td>84x88x112mm</td>
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<tr>
<td>Main unit weight</td>
<td>336g</td>
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