Oral surgery & Implantology
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The stakes are high. We work with people.

Backbone doesn’t come from the stock exchange: W&H has been a family-owned company for generations. This is the origin of the spirit of innovation that develops devices such as Implantmed, Elcomed and Piezomed.

The secret of our success: W&H has always placed people – regardless of whether they are partners, customers, patients or employees – in the centre. See for yourself – it’s no longer a secret! We don’t want to keep any secrets from you.

With reliable solutions for Oral surgery & Implantology by W&H.

People have Priority

W&H at a glance

- Head office in Austria
- 980 employees worldwide
- 80 teams
- Established 1890 in Berlin by Jean Weber and Hugo Hampel
- 3 production facilities
- 19 subsidiaries in Europe and Asia
- Export share over 95%

For more information see wh.com

Benefit from maximum precision.
Nicholas Claydon BDS MscD PhD MJDF RCS (eEng) FHEA, specialist in periodontology and implantology.

»The combination of Implantmed and Osstell ISQ module ensures improved treatment safety for me and my patients.«

Dr. med. dent. Fred Bergmann, dentist specializing in oral surgery.

Surgical straight and contra-angle handpieces

»Beautifully machined for quality and balance. Superb LED light that set a benchmark for visibility.«

Nicholas Claydon BDS MscD PhD MJDF RCS (eEng) FHEA, specialist in periodontology and implantology.

Implantmed

Your advantages at a glance
- Intuitive user interface
- New pump design
- Ultra-short, powerful electric motor with 6.2 Ncm torque
- Motor speed range: 200 up to 40,000 rpm
- W&H Osstell ISQ module (available as an accessory) for a precise measurable implant stability
- Automatic torque control: 5 up to 80 Ncm
- Automatic thread cutter function
- Electric motor with cable, thermo washer disinfectable and sterilizable

Elcomed

Your advantages at a glance
- All information in one user level
- Complete documentation via USB flash drive
- Shortest and lightest motor with 50,000 rpm
- Up to 80 Ncm on the rotary instrument
- 6 programs with individually adjustable parameters
- Automatic thread cutter function
- Motor with cable, thermo washer disinfectable and sterilizable

PD Dr. Jörg Neugebauer, dentist specializing in oral surgery.

»There is no time for compromises during the surgical procedure. Elcomed is clearly number 1 in the operating theatre.«
»The prosthodontic screwdriver with torque control!
It tightens the retaining screw to the perfect tightness.«

Dr. Alexander Schatzdorfer, dentist with his own practice.

»Ideal for Implantmed and Elcomed: precise and reliable!«

Dr. Alexander Schatzdorfer, dentist with his own practice.

> Your advantages at a glance
With and without mini LED+
> Fatigue-free working thanks to optimal ergonomics
> Durable and robust due to high-quality stainless steel and scratch-resistant coating
> Can be dismantled for thorough cleaning (except WI-75 E/KM)
> Thermo washer disinfectable and sterilizable

With mini LED+
> Work with daylight quality
> Natural reproduction of red tones
> Independent power supply with integrated generator
> Longer life compared to conventional halogen bulbs

»Fast cutting without vibration.
Also for use with local anaesthetics.«

PD Dr. Jörg Neugebauer, dentist specializing in oral surgery.

Your advantages at a glance
> Innovative saw blade shape for outstanding cutting performance
> One drive speed for all 3 saw types
> Durable and robust due to high-grade stainless steel and scratch-resistant coating
> For sagittal, oscillating or reciprocal movement
> Range of saw blades for all surgical applications
> Low vibration and exceptionally quiet
> Can be dismantled for thorough cleaning
> Thermo washer disinfectable and sterilizable

Surgical straight and contra-angle handpieces with generator

IA-400

More info on page 20
>Incredible – cuts through bone like butter.«

Your advantages at a glance
- Automatic instrument detection
- Three individual operating modes »Power«, »Basic« and »Smooth«
- Temporary 20% power increase thanks to boost function
- Ideal illumination of the operating site through LED ring illumination
- Efficient cooling thanks to spray opening close to the instrument’s working area
- Handpiece with LED socket and cable, thermo washer disinfectable and sterilizable

Dr. Ulrich Fürst, specialist in oral surgery.

Instrument kit »Implant/Crestal A«

Instrument kit »SPECIAL«
- S1, S2, S3, S4, S5

Instrument kit »Implant/Crestal P«

Instrument kit »Bone«
- B1, B2R, B2L, B3, B4, B5

Instrument kit »Paro«
- P1, P2RD, P2LD

Instrument kit »SPECIAL«
- S1, S2, S3, S4, S5

Instrument kit »Implant/Crestal A«

Instrument kit »Endo«
- Range of innovative instruments for bone surgery, periodontology and extraction, retrograde endodontics as well as for lateral sinus lift, preparation of the implant site and special crestal applications
- Improved cutting performance thanks to special toothing on the bone blades
- Extremely high cutting performance and time savings due to the new special saw’s thin blade
- Flexibility and individuality in working
- Thermo washer disinfectable and sterilizable

Instrument kit »EX«
- EX1, EX2

Instrument kit »Paro«
- for periodontology and extraction
- P1, P2RD, P2LD

Instrument kit »Implant/Crestal P«
- for preparation of the implant site

Instrument kit »Implant/Crestal A«
- for special crestal applications

Instrument kit »Implant/Crestal A«
- for special crestal applications

Special saws
- for bone surgery
- only available individual
For a simple work process

Safe, simple and flexible. Implantmed impresses users with its intuitive user interface and simplifies your treatment process. Every single Implantmed stands for top quality, precision and safety.

Secure placement
The automatic torque control guarantees the required security. It can be adjusted from 5 to 80 Ncm.

Measurable stability
Implant stability can be measured precisely with the W&H Osstell ISQ module, available as an accessory.

With intuitive ease
Colour touch screen with user-friendly menu guidance and glass surface for easy cleaning.

For the dental assistant
The new pump design makes insertion of the coolant hose secure and quick.

Absolute freedom of movement
With the wireless foot control you can select the optimum position in the work area without restrictions. This means complete safety in the treatment area.

One for all
Control the functions of the Implantmed and Piezomed with only one foot control.

Safe, simple and flexible. Implantmed impresses users with its intuitive user interface and simplifies your treatment process. Every single Implantmed stands for top quality, precision and safety.
Surgical straight and contra-angle handpieces for Implantmed SI-1023, SI-1015, SI-1010

WS-75 L | 20:1
Specially designed for preparation of the implant site and implant insertion.

S-11 L | 1:1
The first choice for apical resection, osteotomy, sequestrotomy, bone modelling and bone smoothing and also for extraction of wisdom teeth.

WS-91 L | 1:2.7
45° head
Specially designed to improve access in the premolar and molar region.

WS-56 L | 1:1
WS-92 L | 1:2.7
Designed for osteotomy, sequestrotomy, germectomy, hemisection.

Fatigue-free and flexible operation

Durable, ergonomic and robust. Whether you are inserting an implant or extracting a wisdom tooth, you can be sure of optimum cooling and illumination of the treatment site. High-quality stainless steel with a scratch-resistant coating makes the surgical straight and contra-angle handpieces robust and gives them a particularly long service life.

Durable, ergonomic and robust. Whether you are inserting an implant or extracting a wisdom tooth, you can be sure of optimum cooling and illumination of the treatment site. High-quality stainless steel with a scratch-resistant coating makes the surgical straight and contra-angle handpieces robust and gives them a particularly long service life.

Optimal illumination
Thanks to it being half the size of a normal LED, the mini LED+ can be integrated very close to the tip and offers optimal illumination.

Variable cooling
There are spray clips available for the left and right. This means that cooling can be adapted to the individual requirements.

Scratch-resistant surface
The unique coating protects the straight and contra-angle handpiece from scratches. This facilitates cleaning and preserves the value.

Hexagon chucking system
The hexagon chucking system developed and patented (EU, USA) by W&H ensures safe use even at high torques.

Perfect cleaning
To satisfy the stringent hygiene requirements, the straight and contra-angle handpieces can be dismantled.
Elcomed

Number 1 in the operating theatre

Safe, reliable, powerful. The W&H Elcomed has been designed specifically to meet the requirements of maxillofacial surgery, dental surgery and implantology.

Everything at a glance
Revolutions per minute, torque and selected coolant flow rate all at one user level.

Complete documentation
Every step of the treatment is saved to a USB flash drive. The data is accessible at any time.

Automatic thread cutter function
Prevents excessive bone compression while screwing in the implant.

Convenient foot control
The multifunctional foot control allows sterile working and optimum freedom for your hands.

An amazing motor
Shortest and lightest motor with 50,000 revolutions per minute.

SPI Dongle – Upgrade at any time
Control the functions of Elcomed with the wireless foot control, available as an accessory.

Safe, reliable, powerful. The W&H Elcomed has been designed specifically to meet the requirements of maxillofacial surgery, dental surgery and implantology.
Surgical straight and contra-angle handpieces with generator

The contra-angle handpieces WS-91 and WS-91 L G with 45° head unite the advantages of straight and contra-angle handpieces. The 45° angle allows considerably better access and considerably better visibility of the treatment site. This is particularly helpful in the surgical extraction of wisdom teeth, precise tooth separations and apical resections. This makes palatinal access to the maxillary molars much simpler, even with a small mouth opening. In contrast, in buccal applications, there is more space between the cheek and the operating site. At the same time, the view is barely affected.

Depending on the drive speed, the ratio of 1:2.7 makes it possible to achieve speeds of up to 135,000 revolutions per minute on the rotating instrument. A triple spray guarantees sufficient cooling of the rotating instrument and the tooth.

Leader in LED technology

Clear, bright and wide field of view. Excellent lighting conditions facilitate accurate diagnoses and perfect treatment results. The surgical straight and contra-angle handpieces with mini LED+ produce light independently. An integrated generator supplies the LED in the instruments with power.

WS-75 (without light)
WS-75 L G (with mini LED+)
Models specially designed for implantation.

WS-56, WS-92 (without light),
WS-56 L G, WS-92 L G (with mini LED+)
These models are outstanding for difficult surgical procedures.

WS-91 (without light)
WS-91 L G (with mini LED+)
The 45° angle allows considerably better access and considerably better visibility of the treatment site.

S-9, S-11 (without light)
S-9 L G, S-11 L G (with mini LED+)
The first choice for complex jaw procedures.

S-10, S-12, S-15 (without light)
Improves the view of areas where access is difficult.

WI-75 E/KM (without light)
Model specially designed for implantation.
Prosthodontic screwdriver

For precise torque control

**Practical, fast and no risk.** The single-handed operation means the cordless prosthodontic screwdriver is fast and, most importantly, safe and provides the best possible view of the treatment site.

- **Precise torque control**
  - Adjustable from 8 to 40 Ncm in 1 Ncm steps. This allows precise, risk-free tightening of retaining screws.

- **Key pad**
  - Activate the prosthodontic screwdriver with the key pad.

- **Cordless operation**
  - No obstacles for your prosthodontic screwdriver with modern Li-Ion battery technology.

- **Small head for a clear view**
  - Nothing blocks your view of the treatment site.

- **Constant speed saves time**
  - At 25 revolutions per minute it takes less than 10 seconds to tighten a retaining screw.

- **Lubricated for life**
  - The thermo washer disinfectable and sterilizable contra-angle handpiece is lubricated for life and must not be oiled.
For outstanding cutting power

Fast, powerful and durable. The saw handpieces have been specially designed for conversion osteotomies and bone harvesting. Even after many years of use at maximum speed, consistently high cutting performance is still guaranteed.

S-8 S with sagittal motion
Cutting direction parallel to the axis, low vibration, dismantlable

S-8 O with oscillating motion
Cutting direction 90° to the axis, low vibration, dismantlable

S-8 R with reciprocating motion
Forward / reverse cutting direction, low vibration, dismantlable

Sagittal saw blades for S-8 S
width 6 mm or 10 mm, incl. depth gauge on the saw blade (2.5 mm graduations), available as single pack or five pack

Oscillating saw blades for S-8 O
height 8 mm or 15 mm, incl. depth gauge on the saw blade (2.5 mm graduations), available as single pack

Reciprocating saw blades for S-8 R
length 15 mm, 20 mm or 30 mm, crosswise tooth setting for increased cutting power, available as single pack or five pack

Surgical saw handpieces
Piezomed

The new force in bone surgery

Minimally invasive, maximum power. Piezomed facilitates the surgeon’s work: thanks to innovative ultrasound technology, only bone substance is resected with high precision. The surrounding soft tissue remains uninjured. A noticeable relief for the patient: less pain, quicker healing!

- Automatic instrument detection: Piezomed detects the instrument during insertion and sets the correct power class automatically.
- Innovative LED ring illumination: The shadow-free light ensures ideal illumination of the operating site.
- Improved cutting precision: A new, specialized tooth design guarantees precision cutting and saves time!
- Extremely powerful and fast: The boost function can be used to increase the set basic power by 20% for a short period of time.
- Efficient cooling: The spray exits near the instrument’s area of activity and cools the operating site extremely efficiently.
- SPI Dongle – Upgrade at any time: Control the functions of Piezomed with the wireless foot control, available as an accessory.
### Implantmed

**Type:** SI-1023 SI-1015 SI-1010

- **Mains voltage:**
  - SI-1023: 230 V
  - SI-1015: 120 V
  - SI-1010: 100 V
- **Permissible voltage fluctuation:**
  - SI-1023: 220 – 240 V
  - SI-1015: 110 – 130 V
  - SI-1010: 90 – 110 V
- **Rated current:**
  - SI-1023: 0.3 – 0.8 A
  - SI-1015: 0.3 – 1.6 A
  - SI-1010: 0.3 – 1.4 A
- **Frequency:** 50 – 60 Hz
- **Mains fuse (2 pcs):** 250 V – 1 6 A
- **Maximum power consumption:** 1 70 VA
- **Maximum power output:** 80 W
- **Maximum torque at motor:** 6.2 Nm
- **Motor speed range in the rated voltage range:** 200 – 40,000 min⁻¹
- **Coolant flow volume at 100%:** at least 90 l/min
- **Length of motor cable:** 1.8 m / 3.5 m
- **Dimensions in mm (height x width x depth):** 100 x 262 x 291
- **Foot control:** S-N2 / S-NW
- **Straight and contra-angle handpieces with mini LED+:** S-11 L / WS-56 L, WS-75 L, WS-91 L, WS-92 L
- **Warranty:** 24 months

### Surgical contra-angle handpieces

**Type:** WS-75 L WS-56 L WS-92 L WS-91 L

- **Transmission ratio:**
  - WS-75 L: 20:1
  - WS-56 L: 1:1
  - WS-92 L: 1:2.7
  - WS-91 L: 1:2.7
- **Coupling system:**
  - WS-75 L: W&H EM-19 LC / EM-19
  - WS-56 L: mini LED+
  - WS-92 L: external
  - WS-91 L: lever chuck
- **Lighting system:** mini LED+
- **Spray:**
  - WS-75 L: external
  - WS-92 L: internal
- **Internal bur cooling system:**
  - WS-75 L: Kirschner/Meyer
  - WS-92 L: Kirschner/Meyer
  - WS-91 L: push-button chuck
- **Rotary instruments:**
  - for surgical burs and cutters with contra-angled shank Ø 2.35 mm
  - for surgical burs and cutters with FG shank Ø 1.6 mm
- **Maximum drive speed:** 50,000 min⁻¹
- **Can be dismantled:** yes
- **Indications, e.g.:**
  - preparation of the implant site
  - implant insertion
  - osteotomy
  - sequestrotomy
  - germectomy
  - hemisection
  - for improved access in the premolar and molar region

### Straight handpiece with mini LED+ and W&H connection

**Type:** S-11 L

- **Transmission ratio:** 1:1
- **Coupling system:**
  - WS-91 L: mini LED+
- **Spray:**
  - WS-92 L: external
  - WS-91 L: lever chuck
- **Internal bur cooling system:**
  - WS-92 L: Kirschner/Meyer
  - WS-91 L: push-button chuck
- **Rotary instruments:**
  - for surgical burs and cutters with contra-angled shank Ø 2.35 mm
  - for surgical burs and cutters with FG shank Ø 1.6 mm
- **Maximum drive speed:** 50,000 min⁻¹
- **Can be dismantled:** yes
- **Indications, e.g.:**
  - apical resection
  - osteotomy
  - sequestrotomy
  - bone modelling and bone smoothing
  - extraction of wisdom teeth

* also Stryker system
### Elcomed

<table>
<thead>
<tr>
<th>Type</th>
<th>SA-310</th>
</tr>
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<tbody>
<tr>
<td>Mains voltage</td>
<td>220 – 240 V / 100 – 130 V</td>
</tr>
<tr>
<td>Permissible voltage fluctuation</td>
<td>±10 %</td>
</tr>
<tr>
<td>Rated current</td>
<td>0.1 – 0.9 A / 0.1 – 1.8 A</td>
</tr>
<tr>
<td>Frequency</td>
<td>50 – 60 Hz</td>
</tr>
<tr>
<td>Mains fuse [2 pcs]</td>
<td>250 V – 71.6 A</td>
</tr>
<tr>
<td>Maximum power consumption</td>
<td>180 VA</td>
</tr>
<tr>
<td>Maximum power output</td>
<td>100 W</td>
</tr>
<tr>
<td>Maximum torque at motor</td>
<td>7 Ncm</td>
</tr>
<tr>
<td>Motor speed range in the rated voltage range</td>
<td>300 min⁻¹ – maximum 50,000 min⁻¹, safety stop at 40,000 min⁻¹</td>
</tr>
<tr>
<td>Coolant flow volume at 100%</td>
<td>at least 90 ml/min</td>
</tr>
<tr>
<td>Length of motor cable</td>
<td>1.8 m / 3.5 m</td>
</tr>
<tr>
<td>Dimensions in mm (height x width x depth)</td>
<td>109 x 256 x 305</td>
</tr>
<tr>
<td>Foot control</td>
<td>S-N1</td>
</tr>
<tr>
<td>Straight and contra-angle handpieces</td>
<td>ISO connection 3964 [DIN 13940]</td>
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</table>

### Surgical handpieces with mini LED+ and generator

<table>
<thead>
<tr>
<th>Type</th>
<th>S-9 L G</th>
<th>S-11 L G</th>
</tr>
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<tbody>
<tr>
<td>Transmission ratio</td>
<td>1:1</td>
<td></td>
</tr>
<tr>
<td>Coupling system</td>
<td>ISO 3964 [DIN 13940]</td>
<td></td>
</tr>
<tr>
<td>Power supply</td>
<td>mini LED+</td>
<td>via independent generator</td>
</tr>
<tr>
<td>Light quality</td>
<td>daylight</td>
<td></td>
</tr>
<tr>
<td>Spray</td>
<td>external</td>
<td></td>
</tr>
<tr>
<td>Chucking system</td>
<td>lever chuck</td>
<td></td>
</tr>
<tr>
<td>Rotary instruments</td>
<td>for surgical burs and cutters Ø 2.35 mm*</td>
<td></td>
</tr>
<tr>
<td>Permitted bur length</td>
<td>45 mm</td>
<td></td>
</tr>
<tr>
<td>Maximum drive speed</td>
<td>40,000 min⁻¹</td>
<td></td>
</tr>
<tr>
<td>Can be dismantled</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>Indications, e.g.</td>
<td>apical resection, osteotomy, apical trepanning, bone modelling</td>
<td></td>
</tr>
</tbody>
</table>

* also Stryker system

### Surgical handpieces without light

<table>
<thead>
<tr>
<th>Type</th>
<th>S-9 / S-11 / S-15 / S-10 / S-12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transmission ratio</td>
<td>1:1 / 1:1 / 1:1 / 1:2</td>
</tr>
<tr>
<td>Coupling system</td>
<td>ISO 3964 [DIN 13940]</td>
</tr>
<tr>
<td>Spray</td>
<td>external</td>
</tr>
<tr>
<td>Chucking system</td>
<td>lever chuck</td>
</tr>
<tr>
<td>Rotary instruments</td>
<td>for surgical burs and cutters Ø 2.35 mm* / 2.35 mm* / 2.35 mm* / 3.5 mm*</td>
</tr>
<tr>
<td>Permitted bur length</td>
<td>45 mm / 45 mm / 70 mm / 70 mm</td>
</tr>
<tr>
<td>Maximum drive speed</td>
<td>50,000 min⁻¹ / 30,000 min⁻¹ / 50,000 min⁻¹ / 40,000 min⁻¹</td>
</tr>
<tr>
<td>Can be dismantled</td>
<td>yes</td>
</tr>
<tr>
<td>Indication, e.g.</td>
<td>apical resection, osteotomy, apical trepanning, bone modelling, osteotomy for difficult to access areas, osteotomy for fenestration, osteosynthesis in distal areas</td>
</tr>
</tbody>
</table>

* also Stryker system
Surgical contra-angle handpieces with mini LED+ and generator

**Type** | WS-75 L G | WS-56 L G | WS-91 L G | WS-92 L G
---|---|---|---|---
Transmission ratio: | 20:1 | 1:1 | 1:2.7 | 1:2.7
Coupling system: | ISO 3964 [DIN 13940] | | | |
Lighting system: | mini LED+ | | | |
Power supply: | via independent generator | | | |
Light quality: | daylight | | | |
External spray: | single | triple | | |
Internal bur cooling system: | Kirschner/Meyer | – | – | –
Chucking system: | push-button chuck | | | |
Rotierende Instrumente: | for surgical burs and cutters with contra-angled shank Ø 2.35 mm | FG shank Ø 1.6 mm | | |
Maximum drive speed: | 40,000 min⁻¹ | | | |
Can be dismantled: | yes | | | |
Indications, e.g.: | implantation | osteotomy | maxillary and mandibular osteotomy | genectomy | sequestrotomy | hemisection | extraction of wisdom teeth

Surgical contra-angle handpieces without light

**Type** | WS-75 (WI-75 E/KM*) | WS-56 | WS-91 | WS-92
---|---|---|---|---
Transmission ratio: | 20:1 | 1:1 | 1:2.7 | 1:2.7
Coupling system: | ISO 3964 [DIN 13940] | | | |
External spray: | single | triple | | |
Internal bur cooling system: | Kirschner/Meyer | – | – | –
Chucking system: | push-button chuck | | | |
Rotierende Instrumente: | for surgical burs and cutters with contra-angled shank Ø 2.35 mm | FG shank Ø 1.6 mm | | |
Maximum drive speed: | 50,000 min⁻¹ | | | |
Can be dismantled: | yes | | | |
Indications, e.g.: | implantation | osteotomy | maxillary and mandibular osteotomy | genectomy | sequestrotomy | hemisection | extraction of wisdom teeth

Prosthodontic screwdriver IA-400

**Handpiece drive IA-40 H**

* Battery type: Li-ion
  * Battery voltage: 3.7 V
  * Rated capacity: 680 mAh
  * Speed of the instrument: 25 min⁻¹
  * Torque: 8 – 40 Ncm
  * Charging time: approx. 100 minutes
  * Battery capacity: approx. 40 screws at average torque
  * Weight: 90 g

**Charging station**

* Mains voltage: 220 – 240 V
  * Frequency: 50 – 60 Hz
  * Rated current: 0.08 – 0.12 A
  * Power: 5 W
  * Weight: 345 g

**Contra-angle handpiece IA-80**

* Type: IA-80
  * Transmission ratio: 80:1
  * Coupling system: W&H special coupling

* The contra-angle handpiece IA-80 is thermo washer disinfecetable and sterilizable up to 135 °C.
Surgical saw handpieces

<table>
<thead>
<tr>
<th>Type</th>
<th>S-8 R</th>
<th>S-8 O</th>
<th>S-8 S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transmission ratio</td>
<td>3.25:1</td>
<td>3.4:1</td>
<td>3.25:1</td>
</tr>
<tr>
<td>Coupling system</td>
<td>ISO 3964 (DIN 13940)</td>
<td>ISO 3964 (DIN 13940)</td>
<td>ISO 3964 (DIN 13940)</td>
</tr>
<tr>
<td>Strokes / angles</td>
<td>1.8 mm / 12°</td>
<td>1.8 mm / 12°</td>
<td>1.8 mm / 12°</td>
</tr>
<tr>
<td>Frequency (strokes/min.)</td>
<td>12,300</td>
<td>11,800</td>
<td>12,300</td>
</tr>
<tr>
<td>Maximum drive speed</td>
<td>40,000 min⁻¹</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Can be dismantled</td>
<td>yes</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Accessories for Implantmed, Elcomed and Piezomed

- Coolant hose
  - Precise fit
  - Save time for your dental assistants
  - Safety for your Implantmed

- Surgical trolley
  - Your W&H control units in one compact location
  - Space-saving
  - Mobile

- Transportation case
  - Securely packed for travel
  - Space for Implantmed, foot control, W&H Osstell ISQ module, straight and contra-angle handpieces
  - Also available for Elcomed and Piezomed

Piezomed

<table>
<thead>
<tr>
<th>Type</th>
<th>SA-320</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mains voltage</td>
<td>220 – 240 V / 100 – 130 V</td>
</tr>
<tr>
<td>Permissible voltage fluctuation</td>
<td>± 10 %</td>
</tr>
<tr>
<td>Rated current</td>
<td>0.1 – 0.5 A / 0.1 – 1.0 A</td>
</tr>
<tr>
<td>Frequency</td>
<td>50 – 60 Hz</td>
</tr>
<tr>
<td>Maximum power output</td>
<td>24 W</td>
</tr>
<tr>
<td>Maximum power consumption</td>
<td>90 VA</td>
</tr>
<tr>
<td>Operating frequency</td>
<td>22 – 35 kHz</td>
</tr>
<tr>
<td>Coolant flow volume at 100%</td>
<td>at least 50 ml/min</td>
</tr>
<tr>
<td>Length of handpiece cable</td>
<td>1.8 m / 3.5 m</td>
</tr>
<tr>
<td>Dimensions in mm (height x width x depth)</td>
<td>119 x 216 x 305</td>
</tr>
<tr>
<td>Foot control</td>
<td>S-NW with SPI Dongle</td>
</tr>
</tbody>
</table>
Oral surgery & implantology

Pictures are for illustrative purposes only. Additional equipment and accessories shown are not included as standard.