Oral surgery and Implantology
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Company

Product overview 1
Implantmed, Surgical straight and contra-angle handpieces, Elcomed

Product overview 2
Surgical straight and contra-angle handpieces with generator,
Prosthodontic screwdriver, Surgical saw handpieces

Product overview 3
Piezomed, Piezomed instruments

Implantmed
Surgical straight and contra-angle handpieces
Elcomed
Surgical straight and contra-angle handpieces with generator
Prosthodontic screwdriver
Surgical saw handpieces
Piezomed
Technical data
Accessories for Implantmed, Elcomed, Piezomed
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.

For more information see wh.com
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.

»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.

Elcome is clearly number 1 in the operating theatre.«

PD Dr. Jörg Neugebauer, dentist specializing in oral surgery.
The prosthodontic screwdriver with torque control!
It tightens the retaining screw to the perfect tightness.«

Your advantages at a glance
With and without mini LED+
» Torque control for risk-free tightening of the retaining screw
» Automatic stopping when the adjusted torque is reached
» Constant speed saves time
» Cordless for ease of use
» Small head for the best view
» Torque wrenches and ratchets are now redundant

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

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

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

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

Ideal for Implantmed and Elcomed: precise and reliable!«

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

Surgical straight and contra-angle handpieces with generator

More info on page 18
More info on page 20
More Info on page 22
>Incredible – cuts through bone like butter.«

Dr. Ulrich Fürst, specialist in oral surgery.

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 ring LED
> Efficient cooling thanks to spray opening close to the instrument's working area
> Handpiece with LED socket and cable, thermo washer disinfectable and sterilizable

Your advantages at a glance
> Range of 24 innovative instruments for bone surgery, periodontology and extraction, retrograde endodontics as well as for lateral sinus lift
> 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

Special saws for bone surgery

Instrument kit »Bone« for bone surgery
Instrument kit »Paro« for periodontology
Instrument kit »Endo« for retrograde endodontics
Instrument kit Sinus »SPECIAL« for lateral sinus lift
Instrument kit »EX« for extraction

Only available individual
Implantmed

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.

Fatigue-free operation
Combination with the ultra-short EM-19 electric motor allows long periods of work without fatigue.

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

Variable cooling
There are spray clips available for the left and right. This means that for the first time 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
Revolution 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.
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 palatal 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.
Surgical saw handpieces

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

**Sagittal 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

**Sagittal 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
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 ring LED
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.

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!
**Implantmed**

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

<table>
<thead>
<tr>
<th>Type</th>
<th>S-11 L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transmission ratio:</td>
<td>1:1</td>
</tr>
<tr>
<td>Coupling system:</td>
<td>W&amp;H EM-19 LC / EM-19</td>
</tr>
<tr>
<td>Lighting system:</td>
<td>mini LED+</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*</td>
</tr>
<tr>
<td>Permitted bur length:</td>
<td>45 mm</td>
</tr>
<tr>
<td>Maximum drive speed:</td>
<td>50,000 min⁻¹</td>
</tr>
<tr>
<td>Can be dismantled:</td>
<td>yes</td>
</tr>
<tr>
<td>Indications, e.g.:</td>
<td>apical resection, osteotomy, sequestrotomy, bone modelling and bone smoothing, extraction of wisdom teeth</td>
</tr>
</tbody>
</table>

* also Stryker system

**Surgical contra-angle handpieces with mini LED+ and W&H connection**

<table>
<thead>
<tr>
<th>Type</th>
<th>WS-75 L</th>
<th>WS-56 L</th>
<th>WS-92 L</th>
<th>WS-91 L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transmission ratio:</td>
<td>20:1</td>
<td>1:1</td>
<td>1:2.7</td>
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<td>Coupling system:</td>
<td>W&amp;H EM-19 LC / EM-19</td>
<td></td>
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<td>mini LED+</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>External spray</td>
<td>single</td>
<td>tripal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Internal bur cooling system:</td>
<td>Kirchner/Meyer</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Chucking system:</td>
<td>push-button chuck</td>
<td></td>
<td></td>
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<td>Rotary instruments:</td>
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<td>Indications, e.g.:</td>
<td>preparation of the implant site, implant insertion, osteotomy, sequestrotomy, hemisection, for improved access in the premolar and molar region</td>
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<td></td>
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</table>

**Type**

<table>
<thead>
<tr>
<th></th>
<th>SI-1023</th>
<th>SI-1015</th>
<th>SI-1010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mains voltage:</td>
<td>230 V</td>
<td>120 V</td>
<td>100 V</td>
</tr>
<tr>
<td>Permissible voltage fluctuation:</td>
<td>220 – 240 V</td>
<td>110 – 120 V</td>
<td>90 – 110 V</td>
</tr>
<tr>
<td>Rated current:</td>
<td>0.3 – 0.8 A</td>
<td>0.3 – 1.6 A</td>
<td>0.3 – 1.4 A</td>
</tr>
<tr>
<td>Frequency:</td>
<td>50 – 60 Hz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mains fuse (2 pcs)</td>
<td>250 V – T1.6A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum power consumption:</td>
<td>178 W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum power output:</td>
<td>80 W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum torque at motor:</td>
<td>6.2 Ncm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Motor speed range in the rated voltage range:</td>
<td>200 – 40,000 min⁻¹</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coolant flow volume at 100%:</td>
<td>at least 90 ml/min</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions in mm (height x width x depth):</td>
<td>100 x 262 x 291</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Foot control:</td>
<td>S-N2 / S-NW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Warranty:</td>
<td>24 months</td>
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</table>

**Implantmed**

**Surgical contra-angle handpieces with mini LED+ and W&H connection**

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<th>Type</th>
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<td></td>
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<tr>
<td>Can be dismantled:</td>
<td>yes</td>
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<tr>
<td>Warranty:</td>
<td>24 months</td>
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</table>
Elcomed

**Type:** SA-310
**Mains voltage:** 220 – 240 V / 100 – 130 V
**Permissible voltage fluctuation:** ±10 %
**Rated current:** 0.1 – 0.9 A / 0.1 – 1.8 A
**Frequency:** 50 – 60 Hz
**Mains fuse (2 pcs):** 250 V – T1.6A
**Maximum power consumption:** 180 VA
**Maximum power output:** 100 W
**Maximum torque at motor:** 7 Ncm
**Motor speed range in the rated voltage range:** 300 min⁻¹ – maximum 50,000 min⁻¹, safety stop at 40,000 min⁻¹
**Coolant flow volume at 100%:** at least 90 ml/min
**Length of motor cable:** 1.8 m / 3.5 m
**Dimensions in mm (height x width x depth):** 109 x 256 x 305
**Foot control:** S-N1
**Straight and contra-angle handpieces:** ISO connection 3964 [DIN 13940]

### Surgical handpieces with mini LED+ and generator

**Type:** S-9 L G
**Transmission ratio:** 1:1
**Coupling system:** ISO 3964 [DIN 13940]
**Spray:** external
**Chucking system:** lever chuck
**Rotary instruments:** for surgical burs and cutters Ø 2.35 mm* 45 mm
**Permitted bur length:** 40,000 min⁻¹
**Can be dismantled:** yes
**Indications, e.g.:** apical resection, osteotomy, apical trepanning, bone modelling

**Type:** S-11 L G
**Transmission ratio:** 1:1
**Coupling system:** ISO 3964 [DIN 13940]
**Spray:** external
**Chucking system:** lever chuck
**Rotary instruments:** for surgical burs and cutters Ø 2.35 mm* 45 mm
**Permitted bur length:** 40,000 min⁻¹
**Can be dismantled:** yes
**Indications, e.g.:** apical resection, osteotomy, apical trepanning, bone modelling

### Surgical handpieces without light

**Type:** S-9 / S-11 / S-15 / S-10 / S-12
**Transmission ratio:** 1:1
**Coupling system:** ISO 3964 [DIN 13940]
**Spray:** external
**Chucking system:** lever chuck
**Rotary instruments:** for surgical burs and cutters Ø 2.35 mm* 45 mm 70 mm
**Permitted bur length:** 50,000 min⁻¹ 30,000 min⁻¹ 50,000 min⁻¹ 40,000 min⁻¹
**Can be dismantled:** yes
**Indications, e.g.:** apical resection, osteotomy, for difficult to access areas, osteotomy fenestration, osteosynthesis in distal areas

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

<table>
<thead>
<tr>
<th>Type</th>
<th>WS-75 L G</th>
<th>WS-56 L G</th>
<th>WS-81 L G</th>
<th>WS-82 L G</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transmission ratio:</td>
<td>20:1</td>
<td>1:1</td>
<td>1:2.7</td>
<td>1:2.7</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>
<td>ISO 3964 (DIN 13940)</td>
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<tr>
<td>Coupling system:</td>
<td>push-button chuck</td>
<td>push-button chuck</td>
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<td>push-button chuck</td>
</tr>
<tr>
<td>Rotating instruments:</td>
<td>for surgical burs and cutters with contra-angled shank Ø 2.35 mm</td>
<td>FG shank Ø 1.6 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum drive speed:</td>
<td>40,000 min⁻¹</td>
<td>50,000 min⁻¹</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Can be dismantled:</td>
<td>yes</td>
<td>yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Indications, e.g.:</td>
<td>implantation osteotomy</td>
<td>maxillary and mandibular osteotomy</td>
<td>gynemectomy</td>
<td>extraction of wisdom teeth</td>
</tr>
</tbody>
</table>

Prosthodontic screwdriver IA-400

<table>
<thead>
<tr>
<th>Handpiece drive IA-40 H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery type:</td>
</tr>
<tr>
<td>Battery voltage:</td>
</tr>
<tr>
<td>Rated capacity:</td>
</tr>
<tr>
<td>Speed of the instrument:</td>
</tr>
<tr>
<td>Torque:</td>
</tr>
<tr>
<td>Charging time:</td>
</tr>
<tr>
<td>Battery capacity:</td>
</tr>
<tr>
<td>Weight:</td>
</tr>
</tbody>
</table>

Charging station

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

Surgical contra-angle handpieces without light

<table>
<thead>
<tr>
<th>Type</th>
<th>WS-75 (WS-75 E/KM*)</th>
<th>WS-56</th>
<th>WS-81</th>
<th>WS-82</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transmission ratio:</td>
<td>20:1</td>
<td>1:1</td>
<td>1:2.7</td>
<td>1:2.7</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>
<td>ISO 3964 (DIN 13940)</td>
</tr>
<tr>
<td>External spray:</td>
<td>single</td>
<td>triple</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Internal bur cooling system:</td>
<td>Kirschner/Meyer</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Chucking system:</td>
<td>push-button chuck</td>
<td>push-button chuck</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rotating instruments:</td>
<td>for surgical burs and cutters with contra-angled shank Ø 2.35 mm</td>
<td>FG shank Ø 1.6 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum drive speed:</td>
<td>50,000 min⁻¹</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Can be dismantled:</td>
<td>yes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Indications, e.g.:</td>
<td>implantation osteotomy</td>
<td>maxillary and mandibular osteotomy</td>
<td>gynemectomy</td>
<td>extraction of wisdom teeth</td>
</tr>
</tbody>
</table>

* WS-75 E/KM: as WS-75, cannot be dismantled

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 disinfectable 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>Strokes / angles:</td>
<td>1.8 mm</td>
<td>12°</td>
<td>3°</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>

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 consumption</td>
<td>90 VA</td>
</tr>
<tr>
<td>Maximum power output</td>
<td>24 W</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 256 x 305</td>
</tr>
<tr>
<td>Foot control</td>
<td>S-NW with SPI Dongle</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