Oral surgery & Implantology
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People have Priority

W&H at a glance
› Headquarters in Austria
› 1,200 employees worldwide
› Established 1890 in Berlin by Jean Weber and Hugo Hampel
› Production facilities in Austria, Italy and Sweden
› Represented in 110 countries
› Export share over 95%

For more information see wh.com

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.
Your advantages at a glance

**Implantmed Plus**
- 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

More info on page 12

**Implantmed Classic**
- Intuitive operating concept, large, easy-to-read display
- Ultra-short, powerful electric motor with 5.5 Ncm torque
- Motor speed range: 300 – 40,000 rpm
- Precise torque control, 5 – 70 Ncm
- Automatic thread cutter function
- Electric motor with cable, thermo washer disinfectable and sterilizable

More info on page 14

**Elcomed**
- 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

More info on page 16

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

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

**Dr. med. dent. Robert Schwagierek, M. A.**
dentist specializing in oral surgery.

«Ease of use makes it possible: high degree of safety and high-quality treatment for patients. Maximum efficiency in everyday practice.«

**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.«
Your **advantages**

at a glance

**Dr. Alexander Schatzdorfer**
dentist with his own practice.

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

**Dr. Alexander Schatzdorfer**
dentist with his own practice.

«The prosthodontic screwdriver with torque control! It tightens the retaining screw to the perfect tightness.»

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

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

**Surgical straight and contra-angle handpieces with generator**

*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-7 E/KM)
- Thermo washer disinf ectable 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

More info on page 18

**Surgical straight and contra-angle handpieces**

*With mini LED+ and W&H connection*

- Matched to Implantmed SI-1023, SI-1015 and SI-1010
- Optimal illumination at all stages of the work
- Fatigue-free working thanks to ergonomic balance
- Robust and long service life due to high-quality stainless steel with scratch-resistant coating
- Work with daylight quality
- Natural reproduction of red tones
- Can be dismantled for thorough cleaning
- Thermo washer disinf ectable and sterilizable
- Developed for the W&H electric motor EM-19 LC

More info on page 20

**IA-400**

- 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

More info on page 22
Your **advantages** at a glance

**Dr. Ulrich Fürst**
specialist in oral surgery.

«Incredible – cuts Piezomed through bone like butter.»

**Piezomed**
- 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 disinfecatable and sterilizable

**Piezomed instruments**
- 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 disinfecatable and sterilizable

**Instrument kit »Endo«**
for retrograde endodontics R1D, R2RD, R2LD, R3D, R4RD, R4 LD

**Instrument kit »EX«**
for extraction EX1, EX2

**Instrument kit »Bone«**
for bone surgery B1, B2R, B2L, B3, B4, B5

**Instrument kit »Paro«**
for periodontology P1, P2RD, P2LD

**Instrument kit »SPECIAL«**
for special applications S1, S2, S3, S4, S5

**Instrument kit »Implant/Crestal P«**

**Instrument kit »Implant/Crestal A«**

**Your advantages at a glance**

**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.

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Digital workflow solutions for your Implantmed Plus. More information at [wh.com](http://wh.com)

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**Implantmed Plus**

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**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.
Focus
on the essentials

Ergonomic, simple, powerful.
Implantmed impresses users with its intuitive ease of use. You can fully and completely concentrate on the most important aspect: your patients.

Implantmed Classic

**Easy to use**
Its new display with auto backlight makes Implantmed easy and uncomplicated to use.

**Powerful motor**
With a motor torque of 5.5 Nm and a motor speed range of 300 to 40,000 rpm, Implantmed is an impressively powerful instrument.

**Fatigue-free operation**
In combination the short motor and the ergonomically shaped contra-angle handpiece are perfectly balanced. You can work for long periods without fatigue or cramp in your hand.

**Stress-free healing**
The automatic thread cutter function supports you when inserting implants in hard bone. It prevents compression of the bone.
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.

Elcomed

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.
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.

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

Surgical straight and contra-angle handpieces for Implantmed SI-1023, SI-1015, SI-1010

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

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.
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.

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.

Surgical straight and contra-angle handpieces with generator

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

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.
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.

**Prosthodontic screwdriver**

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**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 disinfected and sterilizable contra-angle handpiece is lubricated for life and must not be oiled.
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!

Piezomed
Implantmed Plus

<table>
<thead>
<tr>
<th>Type</th>
<th>SI-1023</th>
<th>SI-1015</th>
<th>SI-1010</th>
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<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 – 130 V</td>
<td>90 – 110 V</td>
</tr>
<tr>
<td>Rated current:</td>
<td>0.3 – 0.8 A</td>
<td>0.3 – 1.8 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 – T1.6 AH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum power consumption:</td>
<td>170 VA</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>
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<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>Length of motor cable:</td>
<td>1.8 m / 3.5 m</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>
<td></td>
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Implantmed Classic

<table>
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<th>Type</th>
<th>Implantmed SI-923</th>
<th>Implantmed SI-915</th>
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<tr>
<td>Mains voltage:</td>
<td>230 V</td>
<td>120 V</td>
</tr>
<tr>
<td>Permissible voltage fluctuation:</td>
<td>220 – 240 V</td>
<td>110 – 130 V</td>
</tr>
<tr>
<td>Rated current:</td>
<td>0.3 – 0.8 A</td>
<td>0.3 – 1.8 A</td>
</tr>
<tr>
<td>Frequency:</td>
<td>50 – 60 Hz</td>
<td></td>
</tr>
<tr>
<td>Mains fuse (2 pcs):</td>
<td>250 V – T1.6 AH</td>
<td></td>
</tr>
<tr>
<td>Maximum power consumption:</td>
<td>160 VA</td>
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<tr>
<td>Maximum power output:</td>
<td>80 W</td>
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<tr>
<td>Maximum torque at motor:</td>
<td>4.5 Ncm</td>
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<td>Motor speed range in the rated voltage range:</td>
<td>300 – 40,000 rpm</td>
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</tr>
<tr>
<td>Coolant flow volume at 100%:</td>
<td>at least 90 ml/min</td>
<td></td>
</tr>
<tr>
<td>Dimensions in mm (height x width x depth):</td>
<td>100 x 235 x 240</td>
<td></td>
</tr>
<tr>
<td>Weight in kg:</td>
<td>2.7 kg</td>
<td></td>
</tr>
<tr>
<td>Foot control:</td>
<td>S-N2</td>
<td></td>
</tr>
<tr>
<td>Warranty:</td>
<td>12 months</td>
<td></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 – T1.6AH
- **Maximum power consumption:** 180 VA
- **Maximum power output:** 100 W
- **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 13943)

**Straight handpiece**

**Type:** S-11 L

- **Transmission ratio:** 1:1
- **Coupling system:** W&H EM-19 LC / EM-19
- **Lighting system:** mini-LED+
- **Spray:** external
- **Chuckling system:** lever chuck
- **Rotary instruments:** for surgical burs and cutters Ø 2.35 mm
- **Permitted bur length:** 45 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

**Surgical contra-angle handpieces**

**Type:** WS-75 L, WS-96 L, WS-91 L, WS-92 L

- **Transmission ratio:** 20:1 1:1 1:2.7 1:2.7
- **Coupling system:** W&H EM-19 LC / EM-19
- **Lighting system:** mini-LED+
- **External spray:** single triple
- **Internal bur cooling system:** Kirschner/Meyer – – –
- **Chuckling system:** push-button chuck
- **Rotary instruments:** 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.:**
  - preparation of the implant site
  - implant insertion
  - osteotomy
  - sequestrotomy
  - germectomy
  - hemisection
  - for improved access in the premolar and molar region

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

<table>
<thead>
<tr>
<th>Type: S-9 L G</th>
<th>S-11 L G</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transmission ratio:</td>
<td>1:1</td>
</tr>
<tr>
<td>Coupling system:</td>
<td>ISO 3964 (DIN 13940)</td>
</tr>
<tr>
<td>Lighting system:</td>
<td>mini-LED+</td>
</tr>
<tr>
<td>Power supply:</td>
<td>via independent generator</td>
</tr>
<tr>
<td>Light quality:</td>
<td>daylight</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>40,000 min⁻¹</td>
</tr>
<tr>
<td>Can be dismantled:</td>
<td>yes</td>
</tr>
<tr>
<td>Indications, e.g.:</td>
<td>apical resection osteotomy apical trepanning bone modelling</td>
</tr>
</tbody>
</table>

* also Stryker system

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

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Transmission ratio:</td>
<td>20:1</td>
<td>1:1</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>
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<tr>
<td>Lighting system:</td>
<td>mini-LED+</td>
<td>mini-LED+</td>
<td>mini-LED+</td>
</tr>
<tr>
<td>Power supply:</td>
<td>via independent generator</td>
<td>via independent generator</td>
<td>via independent generator</td>
</tr>
<tr>
<td>Light quality:</td>
<td>daylight</td>
<td>daylight</td>
<td>daylight</td>
</tr>
<tr>
<td>External spray:</td>
<td>single</td>
<td>single</td>
<td>triple</td>
</tr>
<tr>
<td>Internal bur cooling system:</td>
<td>Kissin/Meyer</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Rotary instruments:</td>
<td>for surgical burs and cutters with contra-angled shank Ø 2.35 mm FG shank Ø 1.6 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Permitted bur length:</td>
<td>45 mm</td>
<td>70 mm</td>
<td></td>
</tr>
<tr>
<td>Maximum drive speed:</td>
<td>40,000 min⁻¹</td>
<td>40,000 min⁻¹</td>
<td>40,000 min⁻¹</td>
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<tr>
<td>Can be dismantled:</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>Indications, e.g.:</td>
<td>implantation osteotomy maxillary and mandibular osteotomy germactomy sequestrotomy hemisection extraction of wisdom teeth</td>
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**Surgical handpieces without light**

<table>
<thead>
<tr>
<th>Type: S-9 / S-11</th>
<th>S-15</th>
<th>S-10</th>
<th>S-12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transmission ratio:</td>
<td>1:1</td>
<td>1:1</td>
<td>1:1</td>
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<tr>
<td>Coupling system:</td>
<td>ISO 3964 (DIN 13940)</td>
<td>ISO 3964 (DIN 13940)</td>
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</tr>
<tr>
<td>Spray:</td>
<td>external</td>
<td>external</td>
<td></td>
</tr>
<tr>
<td>Chucking system:</td>
<td>lever chuck</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>
<td></td>
</tr>
<tr>
<td>Permitted bur length:</td>
<td>45 mm</td>
<td>70 mm</td>
<td></td>
</tr>
<tr>
<td>Maximum drive speed:</td>
<td>50,000 min⁻¹</td>
<td>30,000 min⁻¹</td>
<td>50,000 min⁻¹</td>
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<tr>
<td>Can be dismantled:</td>
<td>yes</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>Indications, e.g.:</td>
<td>apical resection osteotomy apical trepanning bone modelling</td>
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</table>

* also Stryker system

**Surgical contra-angle handpieces without light**

<table>
<thead>
<tr>
<th>Type: WS-75 (WI-75 E/KM*)</th>
<th>WS-56</th>
<th>WS-91</th>
<th>WS-92</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transmission ratio:</td>
<td>20:1</td>
<td>1:1</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></td>
</tr>
<tr>
<td>Spray:</td>
<td>external</td>
<td>external</td>
<td></td>
</tr>
<tr>
<td>Chucking system:</td>
<td>push-button chuck</td>
<td>push-button chuck</td>
<td></td>
</tr>
<tr>
<td>Rotary instruments:</td>
<td>for surgical burs and cutters with contra-angled shank Ø 2.35 mm FG shank Ø 1.6 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Permitted bur length:</td>
<td>45 mm</td>
<td>70 mm</td>
<td></td>
</tr>
<tr>
<td>Maximum drive speed:</td>
<td>50,000 min⁻¹</td>
<td>40,000 min⁻¹</td>
<td></td>
</tr>
<tr>
<td>Can be dismantled:</td>
<td>yes</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>Indications, e.g.:</td>
<td>implantation osteotomy maxillary and mandibular osteotomy germactomy sequestrotomy hemisection extraction of wisdom teeth</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* WI-75 E/KM: as WS-75, cannot be dismantled
## Prosthodontic screwdriver
**IA-400**

<table>
<thead>
<tr>
<th>Handpiece drive IA-40 H</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Battery type:</strong></td>
<td>Li-Ion</td>
</tr>
<tr>
<td><strong>Battery voltage:</strong></td>
<td>3.7 V</td>
</tr>
<tr>
<td><strong>Rated capacity:</strong></td>
<td>680 mAh</td>
</tr>
<tr>
<td><strong>Speed of the instrument:</strong></td>
<td>25 min⁻¹</td>
</tr>
<tr>
<td><strong>Torque:</strong></td>
<td>8 – 40 Ncm</td>
</tr>
<tr>
<td><strong>Charging time:</strong></td>
<td>approx. 100 minutes</td>
</tr>
<tr>
<td><strong>Battery capacity:</strong></td>
<td>approx. 40 screws at average torque</td>
</tr>
<tr>
<td><strong>Weight:</strong></td>
<td>90 g</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Charging station</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mains voltage:</strong></td>
<td>220 – 240 V / 100 – 130 V</td>
</tr>
<tr>
<td><strong>Frequency:</strong></td>
<td>50 – 60 Hz</td>
</tr>
<tr>
<td><strong>Rated current:</strong></td>
<td>0.1 – 0.5 A / 0.1 – 1.0 A</td>
</tr>
<tr>
<td><strong>Power:</strong></td>
<td>5 W</td>
</tr>
<tr>
<td><strong>Weight:</strong></td>
<td>345 g</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Contra-angle handpiece IA-80*</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Transmission ratio:</strong></td>
<td>80:1</td>
</tr>
<tr>
<td><strong>Coupling system:</strong></td>
<td>W&amp;H special coupling</td>
</tr>
</tbody>
</table>

* The contra-angle handpiece IA-80 is thermo weather disinfecitable and sterilizable up to 135 °C

## Piezomed

<table>
<thead>
<tr>
<th><strong>Type:</strong></th>
<th><strong>SA-320</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mains voltage:</strong></td>
<td>220 – 240 V / 100 – 130 V</td>
</tr>
<tr>
<td><strong>Permissible voltage fluctuation:</strong></td>
<td>±10 %</td>
</tr>
<tr>
<td><strong>Rated current:</strong></td>
<td>0.1 – 0.5 A / 0.1 – 1.0 A</td>
</tr>
<tr>
<td><strong>Frequency:</strong></td>
<td>50 – 60 Hz</td>
</tr>
<tr>
<td><strong>Maximum power consumption:</strong></td>
<td>90 VA</td>
</tr>
<tr>
<td><strong>Maximum power output:</strong></td>
<td>24 W</td>
</tr>
<tr>
<td><strong>Operating frequency:</strong></td>
<td>22 – 35 kHz</td>
</tr>
<tr>
<td><strong>Coolant flow volume at 100%:</strong></td>
<td>at least 50 ml/min</td>
</tr>
<tr>
<td><strong>Length of handpiece cable:</strong></td>
<td>1.8 m / 3.5 m</td>
</tr>
<tr>
<td><strong>Dimensions in mm (height x width x depth):</strong></td>
<td>103 x 250 x 305</td>
</tr>
<tr>
<td><strong>Foot control:</strong></td>
<td>S-N1</td>
</tr>
<tr>
<td></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 Ostell ISQ module, straight and contra-angle handpieces
› Also available for Elomed and Piezomed