



implantMED

The virtuoso of
Implantology.



O R A L S U R G I C A L

The Art of
Perfection.



Surgical procedures in dental implantology require a high level of professional skill and experience. In order to achieve the best possible treatment results, implantology also requires a special power unit manufactured specifically for the demands of the procedure.

Concentrating on the Essentials. The Implantmed is designed for use in dental implantology and provides the surgeon with a high-quality power unit which is easy and safe to operate. The range of performance covers all major applications with straight and contra-angle handpieces in implantology and maxillo-facial surgery.

The main features are:

- simple operation
- brushless motor – reliable, maintenance-free
- high performance and torque – 95 W, 7 Ncm
- wide speed range of 300 – 40,000 rpm on the motor
- precise torque range control, 5-50 Ncm
- suitable for use in operating theatres

Power at your fingertips.

Implantology treatment requires high power combined with fine control of speed variation. The Implantmed utilises an extremely high torque motor with 7 Ncm of power. The available speed range is from 300 to 40,000 rpm. The Implantmed brushless motor is completely sealed making it maintenance-free and very reliable. The unit is designed for use with 1:1 ratio and 20:1 speed-reducing handpieces without light.



ISO connection

Sealed and permanently lubricated bearings – quiet running and use

Brushless motor – minimal build-up of heat and maintenance-free

Lightweight and convenient

Can be sterilized up to 135 °C





Torque control – adjustable from 5 to 50 Ncm.

Torque control, always constant.

When preparing implant threads or tightening implants, the torque control must be accurately regulated. In Program 5, the amount of torque control (5–50 Ncm) that the Implantmed provides with the W&H contra-angle handpiece WS-75 E/KM ensures a high degree of accuracy to guarantee safe treatment.

Effective irrigation.

Optimum irrigation is a major factor for successful implantation surgery. At a flow rate of approximately 100 ml/min., the powerful roller pump provides enough coolant fluid for protecting bone and tissue during treatment. The pump can be switched on from the console, or alternatively by the surgeon using the foot control. The convenient pump cover allows the irrigation hose to be fitted easily prior to use.



Flexible location. The practical motor and handpiece support can be fitted either to the unit or another suitable position.



Hygiene made easy. Motor, cable and handpiece support can be sterilized at up to 135 °C. The motor, cable and handpiece can be



given additional protection during sterilization by utilizing the optional sterilization cassette.

Operating theatre compatible.

The Implantmed complies with all relevant standards and directives:

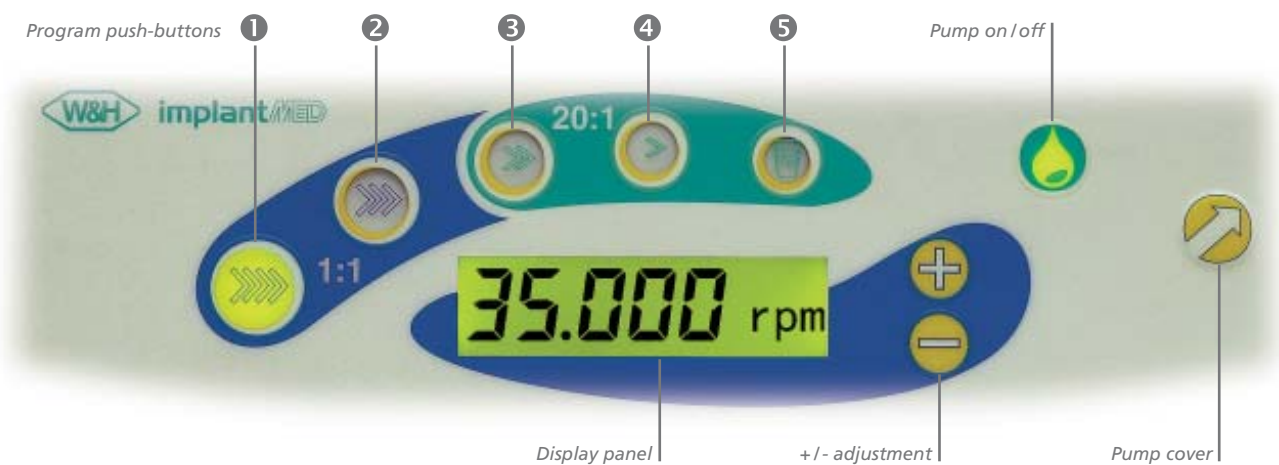
- IEC 601 safety standards
- EMC tested
- AP tested, Zone M for motor with cable and foot control
- CE 0297

Warranty. The Implantmed is a high quality product with excellent performance and superb value-for-money. The unit complies with the strict European directives for Class IIa medical products and is supplied complete with a one-year warranty.

Extremely simple. The concept of the Implantmed is simplicity, compact design and user-friendliness. The unit features five programs for the various stages of implantology in addition to ancillary surgical work. Programs 1 and 2 are intended for use with 1:1 ratio instruments, and Programs 3 to 5 for 20:1 speed reducing instruments. The

programs can be set to the optimum speed for each stage of the procedure. The easy-to-read display shows which speed is selected, and when in Program 5, the power of torque selected.

Operation is by means of illuminated push-buttons combined with an audible signal to confirm selection of the appropriate function.



Program	Type of treatment (e. g.)	Instrument	Speed rpm*)	Adjustment range rpm	Torque Ncm*)	Adjustment range Ncm
1	Wisdom tooth extraction etc.	1:1	35,000	300–40,000	max.	–
2	Bone polishing	1:1	8,000	300–40,000	max.	–
3	Initial drill placement	20:1	1,800	15–2,000	max.	–
4	Implant drill placement	20:1	800	15–2,000	max.	–
5 forward	Implant tapping Implant tightening	WS-75 E/KM 20:1	15	–	50 Ncm	5–50 Ncm (5 Ncm stages)
5 reverse	Bone tap removal Implant removal	WS-75 E/KM 20:1	30	–	50 Ncm	5–50 Ncm (5 Ncm stages)

*) Factory setting

Sturdy foot control. The base of the foot control (S-NV and S-NF) has a special surface finish to ensure it remains securely positioned on the floor. The flat surface makes it particularly convenient to operate irrespective of whether the surgeon is in a standing or sitting position. The great advantage is that both hands remain free and allow the operator to concentrate on the surgery.



Foot control S-NV (variable) and S-NF (on / off)

Technical data:



Implantmed

Type:	SI-95 115	SI-95 230
Supply voltage:	100–130 V	220–240 V, 50/60 Hz
Max. output power/ torque from the motor:	95 W/7 Ncm	
Motor speed:	300–40,000 rpm	
Motor cable:	1.8 m or 3.5 m	
Straight and contra-angle handpieces recommended for use:	Transmission ratio 1:1, 20:1 – without light ISO coupling DIN 13.940, ISO 3964 Program 5 – W&H WS-75 E/KM	
Irrigation flow rate:	approx. 100 ml/min.	
Height/width/depth:	82 x 255 x 270 mm	
Total weight:	4.8 kg	

Implantmed accessories.



W&H contra-angle surgical handpieces
WS-75 E/KM (20:1), 975 AE (20:1) and
WS-56 E (1:1)



W&H straight surgical handpieces
S-11 (1:1) and S-9 (1:1)



Mobile treatment trolley
ST-GC with shelves.



Transportation case ST-K 29 – for
transport of unit and accessories to
other locations.



Sterilization cassette – with appropriate
compartments for motor, cable, straight
and contra-angle handpieces.



Step wedge – increases the
slope of the foot control by 4°. More than one step wedge
can be applied.

Technically perfect solutions from W&H.

Order W&H Implantmed through your dental supplier.



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