

# Implantmed<sup>®</sup> Surgical Drill System

Intuitive. Flexible. Powerful



# Implantmed Surgical Drill Control Unit



## Intuitive User Interface Simplifies Your Treatment Process And Allows For Complete Customization



- The Osstell ISQ module uses Resonance Frequency Analysis (RFA) to measure for implant stability.



- W&H surgical stainless steel, scratch-resistant handpieces offer the durability, ergonomics and targeted irrigation needed for Oral, Maxillofacial and Implant Surgery.



- Multi-functional wired or wireless foot control allows sterile working and optimum freedom for your hands.



- Powerful motor with or without LED+ provides precise torque limitation with up to 80 Ncm of implant placement torque.



- Color touch screen with user-friendly menu guidance and tempered glass surface.
- Customizable user interface can be set to display individual drill protocols for multiple surgeons.



- The new pump is designed for easy operation and enables quick loading of the irrigation tubing prior to the procedure.

# Technical Specifications



Implantmed Technical Information		
Type	SI-1023	SI-1015
Mains Voltage	230 V	120 V
Permissible Voltage Fluctuation	220 - 240 V	110 - 130 V
Rated Current	0.3 - 0.8 A	0.3 - 1.6 A
Frequency	50 / 60 Hz	
Mains Fuse (2 Pcs)	250 V - T1, 6AH	
Maximum Power Consumption	170 VA	
Max Mechanical Output Power	80 W	
Max Torque At The Motor	6.2 Ncm	
Motor Speed In Nominal Voltage Range	200 - 40,000 min <sup>-1</sup>	
Coolant Flow Rate At 100%	at least 90 ml/min	
Height / Width / Depth	100 x 262 x 291 mm	
Foot Control	S-N2 / S-NW	
Contra-Angle Handpieces With Mini Led+	WS-75 L, WS-56 L, WS-75 L G, WS-56 L G	

Surgical Handpieces Technical Information				
Type	Handpieces With Mini LED+ And W&H Connection		Handpieces With Mini LED+ And Generator	
	WS-56 L	WS-75 L	WS-56 L G	WS-75 L G
Transmission Ratio	1:1	20:1	1:1	20:1
Coupling System	W&H EM-19 LC / EM-19		ISO 3964 (DIN 13940) (works with any E-type connection)	
Lighting System	Mini LED+			
Power Supply	Via light contacts in EM-19 LC motor		Via independent generator	
Light Quality	Daylight			
External Spray	Single			
Internal Bur Cooling System	-	Kirschner/Meyer	-	Kirschner/Meyer
Chucking System	Push-button chuck			
Rotary Instruments	For surgical burs and cutters with contra-angled shaft $\varnothing$ 2.35 mm			
Maximum Drive Speed	50,000 min <sup>-1</sup>		40,000 min <sup>-1</sup>	
Can Be Dismantled	Yes			



# Ordering Information

Item No.	Description
<b>Drill Systems</b>	
30288000	SI-1023 control unit, 230 V
30289000	SI-1015 control unit, 120 V
<b>Motors</b>	
30281000	EM-19 LC electric motor for SI-1015, SI-1023 w/LED+ & light contacts (LC), 1.8 m cable
30185000	EM-19 electric motor for SI-1015, SI-1023 without LED+ & light contacts (LC), 1.8 m cable
30281001	EM-19 LC electric motor for SI-1015, SI-1023 w/light contacts (LC), 3.5 m cable
<b>Handpieces</b>	
30033000	WS-75 L, contra-angle 20:1, mini LED+ for EM-19 LC motor
30040000	WS-56 L, contra-angle 1:1, mini LED+ for EM-19 LC motor
30039000	WS-56 L G, contra-angle 1:1, self-generating mini LED+
30032000	WS-75 L G, contra-angle 20:1, self-generating mini LED+
<b>Foot Controls</b>	
30264000	S-NW wireless foot control w/CAN dongle; compatible w/SI-1023, SI-1015
30264001	S-NW wireless foot control w/SPI dongle; compatible w/ SI-915 (white) & Piezomed SA-320
30285000	S-N2 foot control w/cable, compatible w/SI-1015, SI-1023
<b>Accessories</b>	
30210000	W&H Ostell ISQ module, for SI-1015 ,SI-1023
07721100	W&H Osstell Measuring Probe
07759700	Wifi dongle CAN-Bus; SI-1015, SI-1023
07795800	Wifi dongle SPI; SI-915 (white) & Piezomed SA-320
07721800	Universal Motor Holder
07849900	W&H Osstell Test Peg
07460300	SmartPeg Mount
<b>SmartPegs</b>	
08009800	W&H SmartPeg Type 1 - 100353, Pack of 5
08010120	W&H SmartPeg Type 4 - 100350, Pack of 5
08009860	W&H SmartPeg Type 15 - 100386, Pack of 5
08009970	W&H SmartPeg Type 26 - 100425, Pack of 5
08009980	W&H SmartPeg Type 27 - 100431, Pack of 5
08010010	W&H SmartPeg Type 30 - 100436, Pack of 5
08010020	W&H SmartPeg Type 32 - 100440, Pack of 5
08010030	W&H SmartPeg Type 33 - 100442, Pack of 5
08010040	W&H SmartPeg Type 34 - 100444, Pack of 5
08010050	W&H SmartPeg Type 35 - 100446, Pack of 5
08010150	W&H SmartPeg Type 45 - 100472, Pack of 5
08010620	W&H SmartPeg Type 60 - 100543, Pack of 5



## Precise Torque Limitation And Stop Functions

Precise torque limiting control ensures secure placement. Torque can be adjusted from 5 Ncm to 80 Ncm. The thread cutter program features an automatic stop-reverse function. Using this program prior to implant placement in dense bone minimizes bone trauma and possible implant failure.



## Torque Value Documentation and Archival

**HEPLA 1000 FACTORY**

**W&H**

### Implant Insertion documentation

**Device ID:** 0003  
**Software version:** 01.05.00

User name	USER 1
Identification (ID)	10-11
Date	2017-08-30
Drill protocol group	Application
Drill protocol	Implantology

**Teeth position (°):** 27

**Key parameters:**

Transmission	W&S 75
Speed	15 rpm
Torque (forward operation)	50 Ncm
Torque (reverse operation)	50 Ncm
Coolant volume	0%
Program	implantation

**Torque curve:**

**implantmed**

Implantmed System comes standard with documentation which allows torque values to be recorded for each procedure.

The documentation function allows all torque values to be saved on a USB drive during the thread cutting procedure, implant insertion or ISQ reading.



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