

# Implantmed® Surgical Drill Motor System

Intuitive. Flexible. Powerful.



ZIMMER BIOMET  
Your progress. Our promise.

# Implantmed Plus



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



## 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

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.

PEOPLE HAVE PRIORITY

W&H

### Implant insertion documentation

**Device SN:** 0003  
**Software version:** 01.05.00

User name	USER 1
Identification (ID)	12-11
Date	2017-08-30
Drill protocol group	Application
Drill protocol	Implantology™

**Tooth position (FDI):** 27

**Set parameters:**

Transmission	WS 75
Speed	15 rpm
Torque (forward operation)	50 Ncm
Torque (reverse operation)	50 Ncm
Coolant volume	0%
Program	Implantator

**Torque curve:**

max. 80

80  
74  
67  
60  
50  
45  
34  
27  
20  
14  
8

0.0 0.6 1.3 2.0 2.5 3.2 3.8 4.4 5.1 5.7 6.3 6.9 7.6 8.2 8.8 9.5 10.1

Ncm

s

implantmed

# Implantmed Classic



## Implantmed Classic Excels By Virtue Of Its Ease Of Operation And Powerful Motor.



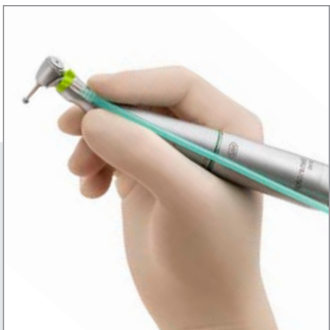
### Powerful motor

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



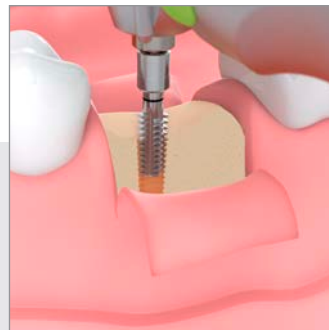
### Easy to use

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



### 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.

### Osteotomy

5.5 Ncm for all bones qualities and 90 ml/min coolant to prevent necrosis.

### Threading

Stress-free healing. It prevents compression of the bone.

### Implant insertion

Controlled insertion of all types of implant with torque of up to 70 Ncm.



# Osstell Beacon

The Osstell Beacon Tells You When An Implant Is Ready For Loading In A Matter Of Seconds.



Manage patients with **risk factors**



Avoid unnecessarily long **treatment times**



Achieve more **predictable outcomes**



## The Osstell ISQ Scale

The Osstell Beacon uses proprietary and evidenced-based RFA technology, based on more than 1000 scientific studies. Visit [osstell.com/clinical-guidelines](https://osstell.com/clinical-guidelines) to learn more.



The Osstell Beacon also gives you free access to OsstellConnect, where you can analyze your data, keep track of healing times and success rates over time, and compare your clinic with data averages from other Osstell users all over the world. **Simply a tool to help you excel.**



# Technical Specifications



Implantmed Technical Information		
Model Name	Implantmed Plus	Implantmed Classic
Type	SI-1023	SI-923
Color Touch Screen, Tempered Glass	Yes	No
Precise Torque Control	Yes	Yes
Fully Programmable (Drill Protocols and Users)	Yes	No
Wireless Foot Control Option	Yes	No
Osstell ISQ Module Connectivity	Yes	No
USB Documentation and ISQ Reading	Yes	No
Mains Voltage	230 V	
Permissible Voltage Fluctuation	220 - 240 V	
Rated Current	0.3 - 0.8 A	
Frequency	50 - 60 Hz	
Mains Fuse (2 Pcs)	250 V - T1, 6 AH	
Maximum Power Consumption	170 VA	160 VA
Max Mechanical Output Power	80 W	
Max Torque At The Motor	6.2 Ncm	5.5 Ncm
Maximum Implant Placement Torque	80 Ncm	70 Ncm
Motor Speed In Nominal Voltage Range	200 - 40,000 min <sup>-1</sup>	300 - 40,000 rpm
Coolant Flow Rate At 100%	at least 90 ml/min	
Height / Width / Depth	100 x 262 x 291 mm	100 x 235 x 240 mm
Foot Control	S-N2 / S-NW	S-N2
Contra-Angle Handpieces With Mini Led+	WS-75 L, WS-75 L G	WI 75 E/KM / WS 75 L G



Surgical Handpieces Technical Information		
	Handpieces With Mini LED+ And W&H Connection	Handpieces With Mini LED+ And Generator
Type	WS-75 L	WS-75 L G
Transmission Ratio	20:1	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 ø 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 Motor Systems</b>	
90000161	SET1 SI-923 Implantmed
90000163*	SET3 SI-1023 Implantmed (wired foot Control with EM 19 motor without LED+, without electric contacts)
90000164*	SET4 SI-1023 Implantmed (wireless foot Control with EM 19 motor without LED+, without electric contacts)
90000165*	SET5 SI-1023 Implantmed (wired foot Control with EM 19 LC motor with LED+, with electric contacts)
90000166	SET6 SI-1023 Implantmed (wireless foot Control with EM 19 LC motor with LED+, with electric contacts)
<b>Handpieces</b>	
10207550	WI-75 E/KM IMPLANTOLOGY contra angle, non LED
30033000*	WS-75 L, contra angle 20:1, mini LED+ for EM 19 LC motor only
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
30285000	S-N2 foot control w/cable, compatible w/SI-1015, SI-1023
<b>Accessories</b>	
04363600	Set of Disposable Spray Tubes (Pack of 6)
929300*	Set of Spray Tubes (Pack of 10)
04719400*	Irrigation Tube 2.2 m Sterilizable
<b>Implant Stability Measuring Device &amp; Accessories*</b>	
103000	Osstell Beacon
30210000	W&H Osstell 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 (External Hex Connection Osseotite and T3)
08009860	W&H SmartPeg Type 15 - 100386, Pack of 5 (Certain Connection 3.25 mm, 4.1mm, 6.0 mm, 4/3, 6/5, 4/5 XP and 5/6 XP)
08009980	W&H SmartPeg Type 27 - 100431, Pack of 5 (Tapered Screw Vent System 4.7 mm)
08010020	W&H SmartPeg Type 32 - 100440, Pack of 5 (Tapered Screw Vent System 3.7 mm and 4.1 mm)
08010030*	W&H SmartPeg Type 33 100442, Pack of 5 (Tapered Screw Vent System 6.0 mm)
08010150	W&H SmartPeg Type 45 100472, Pack of 5 (Certain Connection 3.25 mm, 5.0 mm and 5/4)
08010620	W&H SmartPeg Type 60 100543, Pack of 5 (Eztetic Implant System 3.1 mm)

\* Coming Soon



Contact us at 1-800-266-9920 or visit  
[zimmerbiometdental.com](http://zimmerbiometdental.com)

Zimmer Biomet Dental  
Global Headquarters  
4555 Riverside Drive  
Palm Beach Gardens, FL 33410  
Tel: +1-561-776-6700  
Fax: +1-561-776-1272

ZB Dental India Pvt. Ltd.  
904 & 905, A-Wing,  
Damji Shamji Corporate Square,  
Off. Ghatkopar-Andheri Link Road,  
Laxmi Nagar, Ghatkopar East,  
Mumbai – 400075 (INDIA)  
Tel.: 1-800-266-9920  
Email: [customercare.indiadental@zimmerbiomet.com](mailto:customercare.indiadental@zimmerbiomet.com)

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