

Implantmed[®]

Osstell Beacon Piezomed and Handpieces





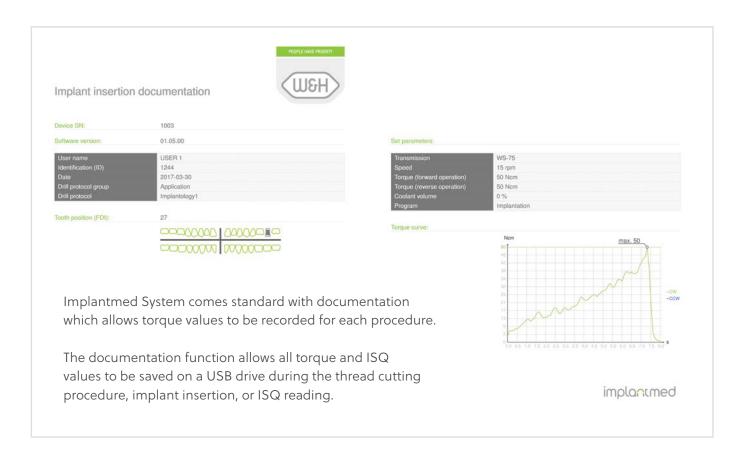
Implantmed Plus

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 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.

*Only for Implantmed Plus



 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.



- Color touch screen with user-friendly menu guidance and tempered glass surface.



• Powerful motor with 6.2 Ncm and available with Light Contacts (EM-19 LC) or no Light Contacts (EM-19) to provide precise torque limitation up to 80 Ncm



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



Implantmed Plus Technical Specifications					
Туре	SI-1023 (For South America, Europe)	SI-1015 (For North America)			
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 ⁻¹				
Coolant Flow Rate at 100%	at least 90 ml/min				
Height / Width / Depth	100 x 262 x 291 mm				
Foot Control	S-N2 (wired) / S-NW (wireless)				
Handpieces for EM-19 LC motor	WS-75 L, WS-56 L, S-11 L, WS-91 L, WS-92 L				
Handpieces for Mini LED and Generator	WS-75 L G, WS 56 L G, WS-92 L G, WS-91 L G, S-11 L G				

[&]quot;L" handpieces only work and fit on the Implantmed Plus with EM-19 LC upgraded motor, "LG" handpieces work on any W&H surgical unit.

Implantmed Classic

Focus on the essentials

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





Powerful motor -Torque up to 70Ncm

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.



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.



Easy-to-use

New display with auto backlight makes Implantmed easy and uncomplicated to use.



Stress-free healing

The automatic thread cutter function supports you when inserting implants in hard bone. It prevents compression of the bone.

Implantmed Classic Technical Specifications				
Туре	SI-915			
Max. torque at the rotary instrument (in program 4)	70 Ncm			
Mains voltage	110 – 130 V			
Frequency	50 / 60 Hz			
Max. mechanical output power	80 W			
Max. torque at the motor	5.5 Ncm			
Motor speed range in the nominal voltage range	300 – 40,000 min -1			
Straight handpieces (with Mini LED and generator)	S-11 L G / WS-56 L G / WS-75 L G / WS-91 L G / WS-92 L G			
Straight handpieces (without Mini LED)	S-11 / WS-56 / WS-75 / WS-91 / WS-92			
Length of motor cable	1.8 m			
Coolant flow rate at 100%	at least 90 ml/min			
Foot control	S-N2			
Height / width / depth	100 x 235 x 240 mm			

Implantmed Classic Set comes with: 1 Implantmed Classic unit, 1 wired S-N2 foot control, 11.8m length EM-19 motor. Hanpiece not included.





Osstell Beacon comes with: USB dongle for Bluetooth communication, 1 Osstell TestPeg, 1 SmartPeg mount, charging cable and instruction manual.

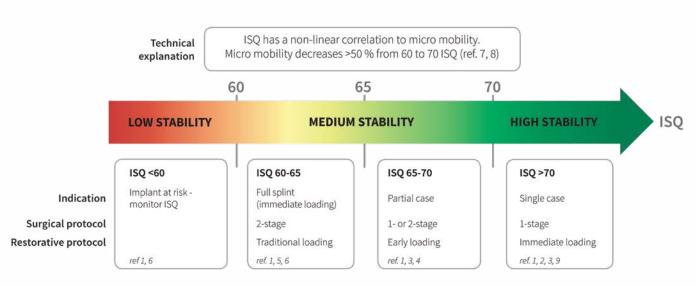
Results that are easy to interpret

Because the Osstell Beacon has a Bluetooth connection, you can view the results of each implant measurement on the Osstell Connect platform using your PC, tablet, or smartphone. You can easily assess implant stability by comparing the baseline value determined upon insertion of the implant with the value prior to final restoration. The ISQ* values are shown on a color wheel, which provides information on the degree of osseointegration: Red color: low stability, ISQ < 60; Yellow color: medium stability; Green color: high stability, ISQ \geq 70.

* ISQ: Implant Stability Quotient



The ISQ scale How to Interpret the ISQ Values



The above is a summary of scientific data and not an official recommendation by Osstell.

To monitor osseointegration, measure at placement and before final restoration.

For references, please see the backside.

Smart Pegs

Measurement of Osseointegration

SmartPegs are high precision small aluminum pegs, which are screwed into the implant for the measurement of osseointegration.

SmartPegs are easy to insert, for single patient use only, available for different implant systems, and come in a pack of 5.



Certain® Connection-Platform Switched

NanoTite® Prevail®, Osseotite® Prevail, T3® and T3® Pro Implants							
Color-Coding	Restorative Platform/Diameter (mm)	W&H Smart- Peg Type	Osstell Article No.	ZimVie Item No.			
Purple	3.4/4.0	45	100472	08010150			
Blue	4.0/5.0	15	100386	08009860			
Yellow	5.0/6.0	15	100386	08009860			

Certain Connection-Non-Platform Switched

NanoTite, Osseotite, T3° and T3° Pro Implants							
Color-Coding	Restorative Platform/Diameter (mm)	W&H Smart- Peg Type	Osstell Article No.	ZimVie Item No.			
Purple	3.25	45	100472	08010150			
Blue	4.0	15	100386	08009860			
Yellow	5.0	15	100386	08009860			
Green	6.0	15	100386	08009860			

External Hex Connection-Non-Platform Switched

NanoTite, Osseotite, and T3 Implants							
Color-Coding	Restorative Platform/Diameter (mm)	W&H Smart- Peg Type	Osstell Article No.	ZimVie Item No.			
Purple	3.25	01	100353	08009800			
Blue	4.0	01	100353	08009800			
Yellow	5.0	01	100353	08009800			
Green	6.0	01	100353	08009800			

Tapered Screw-Vent® and Screw-Vent® Implant

Color-Coding	Restorative Platform/Diameter (mm)	W&H Smart- Peg Type	Osstell Article No.	ZimVie Item No.
Green	3.5/3.7	32	100440	08010020
Green	3.5/4.1	32	100440	08010020
Purple	4.5/4.7	27	100431	08009980
Yellow	5.7/6.0	33	100442	08010030

Eztetic® 3.1 mmD Implants

Color-Coding	Restorative Platform/Diameter (mm)	W&H Smart- Peg Type	Osstell Article No.	ZimVie Item No.
_	2.9/3.1	60	100543	08010620

SwissPlus® Implants

Color-Coding	Restorative Platform/Diameter (mm)	W&H Smart- Peg Type	Osstell Article No.	ZimVie Item No.
_	3.8/3.7	31	100425	08009970
_	4.8/4.8	04	100350	08010120

Spline® Implants

Color-Coding	Restorative Platform/Diameter (mm)	W&H Smart- Peg Type	Osstell Article No.	ZimVie Item No.
Yellow	3.25	30	100436	08010010
Blue	3.75	30	100436	08010010
Green	5.0	30	100436	08010010

Piezomed

The new force in bone surgery

Piezomed puts all the advantages of innovative ultrasound technology at your fingertips. High-frequency microvibrations allow cutting bone with incredible precision and minimal bone removal. In addition, the so-called cavitation effect assists an almost blood-free surgical site.



Innovative LED ring

The shadow-free light ensures ideal illumination of the operating site.



Fine tooth design

The specialized fine tooth saw is used for fine cuts with minimal bone loss for faster cuts, less trauma and reduced healing time.

Several Tip Sets are available bundled or sold individually.



Efficient cooling

The spray exits near the instrument's area of activity cooling the operating site efficiently.



Automatic instrument detection

Piezomed detects the inserted instrument and protects it against overloading. This increases the safety for both the patient and doctor during procedures.

Piezomed Module

The game changer in piezosurgery

The Piezomed module combines an implantology motor and piezosurgery in one device. This means Implantmed can be combined with the Piezomed module and can be used to cover several surgical applications.

*Only in connection with Implantmed Plus





Modularity

The modularity offers the possibility of adapting the device to the requirements of the individual user.



Instrument library*

Enables the individual setting of the most important treatment parameters for the preferred instruments.



Automatic instrument detection*

Piezomed detects the instrument when it is inserted and automatically sets the right power class.



Absolute freedom of movement

The wireless foot control allows you to choose the optimal location in your working area. This ensures a level of safety in the treatment area.



Efficient cooling of the operating site

The spray is expelled close to the instrument's area of activity and thus provides ultra-efficient cooling of the operating site.



Cooling without case fan

This prevents disruptive noises.

No impairment of the sterile environment due to the emission of cooling air.







Piezomed	Piezomed	Piezomed Plus module	Piezomed Classic module
Automatic Instrument detection	/	✓	
Instrument library		/	
Modularity		/	V
Optional Wireless foot control	V	V	V
Control unit cooling without case fan	V	V	V
Osstell Beacon connection		/	V
Implantmed and Piezomed functions can be controlled with just one foot control	~	V	✓
ioDent® system		/	V
Software update via USB		/	V
Implantmed and Piezomed in one device		V	V
Handpiece with (LED socket) and cable, thermodisinfectable and sterilisable	~	/	✓
Pacemaker reports	V	V	V
Boost function	V	/	V
LED light	V	/	
24 watts		V	
20 watts	V		
18 watts			V



Piezomed Plus module

consists of: Module, Handpiece SA-40 L, Power supply and main cable, Support and stand, Instrument changer, 6 pcs. disposable irrigation tubes



Piezomed Classic module

consists of: Module, Handpiece SA-40, Power supply and main cable, Support and stand, Instrument changer, 6 pcs. disposable irrigation tubes







Piezomed & Piezomed module Technical Specifications						
Туре	Piezomed SA-320	Piezomed Classic module SA-430 M				
Supply voltage	100-130 V/220-240 V	100-130 V/220-240 V 100-240 V				
Frequency		50-60 Hz				
Permitted voltage fluctuation		±10%				
Nominal current	0.1-1.0 A/0.1-0.5 A	1.6	Α			
Mains frequency	50-60 Hz					
Maximum output US	20 W*	24 W	18 W			
Operating frequency		22-35 kHz				
Coolant flow rate at 100%	at least 60 ml/min	at least 9	0 ml/min			
Length of handpiece cable	1.8 m/3.5 m	1.8 m/3.5 m 1.8 m without lig				
Dimensions in mm (height × width × depth)	256 × 305 × 109 90 × 140 × 285					
Weight	7 kg	0.7 kg 0.6 kg				
Foot control	S-N1/S-NW with SPI dongle	S-N2/5	5-NW*			

^{*}not included with Module purchase

Modularity for Optimal Flexibility

Workflow driven solution

implantology in one devise.

The combination of the Implantmed Plus and Piezomed module changes the way oral surgery and implantology work.



Surgical Contra-angle and 45° Handpieces Technical Specifications



WS-91 L G (45° head)



WS-92 L G

Surgical contra-	Surgical contra-angle handpieces with mini LED+ and generator						
Туре	WS-75 L G	S-75 L G WS-56 L G WS-91 L G (45° head) WS-92					
Transmission ratio	20:1	1:1		1:2.7	1:2.7		
Coupling system		ISO 3	964 ([DIN 13940)			
Lighting system		1	mini L	ED+			
Power supply		via indep	pende	ent generator			
Lighting quality			dayli	ght			
External spray	Ç	single		trij	ole		
Internal bur cooling system	Kirschner/ Meyer	-		_	-		
Chucking system		push	ı-butt	on chuck			
Rotary instruments	for surgical bu contra-angle	urs and cutters of shank Ø 2.35	with mm	for surgical bu with FG sha	ırs and cutters nk Ø 1.6 mm		
Maximum drive speed	40,000 min ⁻¹						
Can be dismantled	Yes, after every use for optimal longevity and reduced repair bills						
Maximum bur speed w/ Implantmed	2,000 rpm	40,000 rpm		108,000 i	pm		



Surgical contra-angle handpieces with mini LED+ and W&H connection			ection		
Туре	WS-75 L	WS-56 L	WS-91 L (45° head)	WS-92 L	
Transmission ratio	20:1	1:1	1:2.7	1:2.7	
Coupling system	W&H EM-19 LC / EM-19 (LED will only work on the EM-19 LC upgraded motor)				
Lighting system		m	ini LED+		
External spray	single		tri	triple	
Internal bur cooling system	Kirschner/ Meyer	_	_	-	
Chucking system	push-button chuck				
Rotary instruments	for surgical burs contra-angled s			urs and cutters nk Ø 1.6 mm	
Maximum drive speed	50,000 min ⁻¹				
Can be dismantled	Yes, after every use for optimal longevity and reduced repair bills				
Maximum bur speed w/ Implantmed	2,000 rpm	40,000 rpm	108,000	rpm	



Surgical Handpiece with lever chuck				
Туре	S-11	S-16	S-11 L	S-11 L G
Transmission ratio	1:1	1:2	1:1	1:1
Coupling system	ISO 3964 (DI	N 13940)	W&H EM-19 LC / EM-19	ISO 3964 (DIN 13940)
Lighting system	_		mini LED+	mini LED+
Power supply		_		via independent generator
Lighting quality	-		daylight	daylight
Spray	external		external	external
Chucking system	lever chuck		lever chuck	lever chuck
Rotary instruments	for surgical burs and cutters Ø 2,35 mm (also Stryker system)	for surgical burs and cutters Ø 2,35 mm (also Stryker system)	for surgical burs and cutters Ø 2,35 mm (also Stryker system)	for surgical burs and cutters Ø 2,35 mm (also Stryker system)
Permitted bur length	45 mm	45 mm	45 mm	45 mm
Maximum drive speed	50.000 min ⁻¹	40.000 min ⁻¹	50.000 min ⁻¹	40.000 min ⁻¹
Can be dismantled	yes	yes	yes	yes
Maximum bur speed	40,000 rpm	80,000 rpm	40,000 rpm	40,000 rpm











Surgical contra-angle handpieces without light			
Туре	WS-56	WS-91 (45° head)	WS-92
Transmission ratio	1:1	1:2.7	1:2.7
Coupling system	ISC	3964 (DIN 13940)	
External spray	single triple		
Chucking system	рі	sh-button chuck	
Rotary instruments	for surgical burs and cutters with contra-angled shank Ø 2.35 mm	for surgical burs and cutters with FG shank Ø 1.6 mm	
Maximum drive speed 50,000 min ⁻¹ Can be dismantled yes			

Ordering Information

Drill Motor Systems

90000167	Implantmed Plus SI-1015 unit with wired S-N2 foot control and 1.8m length EM-19 motor
90000168	Implantmed Plus SI-1015 unit with wireless S-NW foot control and 1.8m length EM-19 motor
90000169	Implantmed Plus SI-1015 unit with wired S-N2 foot control and 1.8m length EM-19 LC (Light Contact) motor
90000170	Implantmed Plus SI-1015 unit with wireless S-NW foot control and 1.8m length EM-19 LC (Light Contact) motor
90000162	Implantmed Classic unit / wired S-N2 foot control / 1.8m length EM-19 motor
*****	CL 4000

*30288000 SI-1023 control unit, 230 V

Corded Motors

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/LED+ & light contacts (LC), 3.5 m cable

Handpieces

30057000	S-11 L G, 1.1, surgical straight, self-generating mini LED+
30058000	S-11 L, Surgical straight, 1.1, mini LED+, EM-19 LC motor only
30056000	S-11, Surgical straight, 1.1
30411000	S-16 Surgical handpiece 1.2
30039000	WS-56 L G, Contra-angle 1.1, self-generating mini LED+
30040000	WS-56 L, Contra-angle 1.1, mini LED+ for EM-19 LC motor only
30038000	WS-56 Contra-angle 1.1
30032000	WS-75 L G, Contra-angle 20.1, self-generating mini LED+
30033000	WS-75 L, Contra-angle 20.1, mini LED+ for EM-19 LC motor only
30048000	WS-91 L G 45 Degree angle 1.2.7, self-generating mini LED+
30049000	WS-91 L, 45 Angle 1.2.7, mini LED+, EM-19 LC motor only
30047000	WS-91 45 Degree angle 1.2.7
30042000	WS-92 L G Contra-angle 1.2.7, self-generating mini LED+
30043000	WS-92 L, Contra-angle, 1.2.7, mini LED+, EM-19 LC motor only
30041000	WS-92, Contra-angle, 1.2:7

Foot Controls

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

Accessories

30210000 07721100 07759700 07795800 07721800 07849900 07460300 06823400 07945930 07962790	W&H Osstell ISQ module complete for SI-1015 ,SI-1023 (probe included) W&H Osstell Measuring Probe (replacement/spare) Wifi dongle CAN-Bus; SI-1015, SI-1023 Wifi dongle SPI; SI-915 (white) & Piezomed SA-320 Universal Motor Holder W&H Osstell Test Peg SmartPeg Mount W&H Impex transportation case (Universal W&H complete unit / accessories) Elcomed / Piezomed Briefcase Implantmed Plus / Classic Briefcase
07945930	Elcomed / Piezomed Briefcase

SmartPegs

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

Osstell Unit

07982730	101000 Osstell IDx
08022260	103000 Osstell Beacon

General Accessories Osstell (spare/replacement parts)

06985000 Piezomed handpiece with 1.8m length cable

07982700	Osstell IDx Power Supply
08029490	Osstell USB Bluetooth Key
08034600	Beacon USB cable / type C

Piezo Surgical Unit

07004400	Foot Control SN-1 for Piezomed SA-320 only
07159200	Piezomed handpiece with 3.5m length cable (spare/replacement)
30078000	Piezomed SA-320 unit / 1.8m length cable / wired SN-1 foot control
30078001	Piezomed SA-320 unit / 3.5m length cable / wired S-N1 foot control
30078003	SA-320 Piezomed 1.8m Basic Set, Included: Console and Handpiece/Motor ONLY (No Foot Contro
30078004	Piezomed SA-320 unit / 1.8m length cable with SPI dongle only (no foot control)
30078005	Piezomed SA-320 unit / 1.8m length cable with Wireless S-NW foot control and SPI dongle

Piezomed Module

90000349	Set SA-430 M Classic, SA-40
90000350	Set SA-435 M Plus, SA-40 L
90000351	Set SA-435 M Plus, SA-40 L, 3.5m
30392000	SA-40 L Handpiece with cable 1.8m
30392001	SA-40 L Handpiece with cable 3.5m
30408000	SA-40 Handpiece with cable 1.8

Piezo Accessories

06205600	Spare Piezomed SA-320 handpiece LED socket
06276700	Tip changer
06661800	Fuse 250V T1.25 A for Piezomed SA-320 and Implantmed SI-915
0713/1900	Tip cassette

Piezo Tips

05508200 S3 tip	06071100	EX2 tip
05530100 B1 tip	06958600	B2R tip
05534500 B5 tip	07022500	B6 tip
05534700 S2 tip	07022600	B7 tip
05542100 B3 tip	07173100	Instrument set "Bone"
05542300 S4 tip	07173200	Instrument set "Special"
05542800 S5 tip	07173300	Instrument set "Endo"
05542900 S1 tip	07173400	Instrument set "Perio"
05543800 B4 tip	07173500	Instrument set "EX"
05544400 B2L tip	07785600	Instrument Z25P
05975200 R1D tip	07786800	Instrument I1
05991000 R2RD tip	07788800	Instrument I2P
05998800 R3D tip	07797800	Instrument I2A
05999400 R2LD tip	07885600	Instrument I3A
06004700 R4LD tip	07887000	Instrument I3P
06005000 R4RD tip	07889400	Instrument I4A
06061700 P2RD tip	07889500	Instrument I4P
06061800 P2LD tip	07980600	Instrument Z35P
06067700 P1 tip	07997090	Instrument Kit "Crestal A"
06069300 EX1 tip	07997110	Instrument Kit "Crestal P"

For more information visit ZimVie.com

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^{*30289000} SI-1015 control unit, 120 V

^{*}Part number for console only. Accessories and handpieces ordered separately.