



# OsseoSet™ 300

SIMPLIFY  
the treatment  
process

Product overview



# OsseoSet 300

Simplifies the treatment process and precisely measures stability with the integrated Osstell ISQ module.

## Easy to use

Color touchscreen with user-friendly menu guidance and a glass surface for easy cleaning.

## For the dental assistant

The pump design makes inserting the coolant hose quick and secure.

## Clear, bright and wide field of view

Excellent lighting conditions facilitate accurate treatment results.

## Secure placement

The automatic torque control provides accurate torque delivery. It can be adjusted from 5 to 80 Ncm.

## Ideal for multiple users

Drill protocols can be customized for multiple surgeons in the practice.

## Automatic thread cutting function

Supports you when placing implants in dense bone. It minimizes unnecessary compression of the bone.



# OsseoSet 300

Simplifies the treatment process and precisely measures stability with the integrated Osstell ISQ module.

## Absolute freedom of movement

With the wireless foot control you can choose the optimum position in the work area.



## Measure stability<sup>1</sup>

Track osseointegration over time with the Osstell module, which records and saves Implant Stability Quotient (ISQ).



Connecting the Osstell ISQ module will add the implant stability screen.

## Osstell ISQ Module

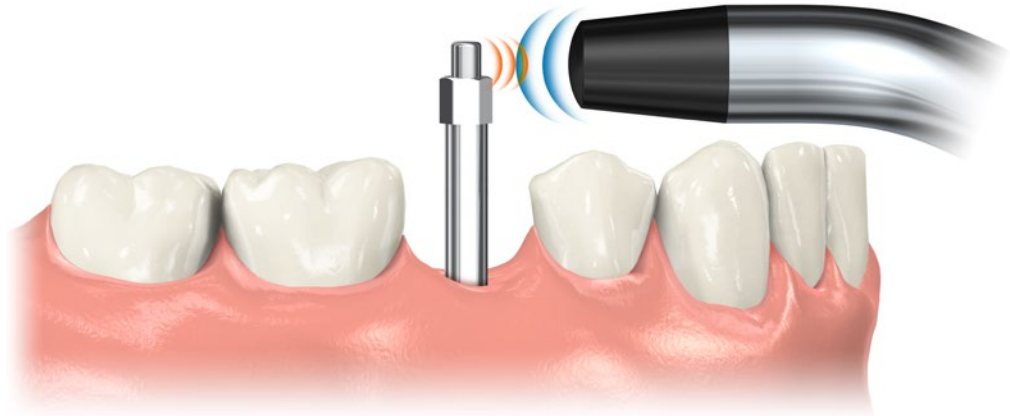
The Osstell ISQ Module is a fast, non-invasive and easy-to-use system to assess implant stability and the progress of osseointegration – without jeopardizing the healing process. It contributes to accurate, consistent and objective information to support clinical decisions.

### The ISQ (Implant Stability Quotient) scale

The Osstell ISQ Module uses Resonance Frequency Analysis (RFA) to determine implant stability and osseointegration. The result is presented as an ISQ value of 1-100. The values and stability indications are based on scientific data.<sup>1-7</sup> The clinical range of ISQ is normally 55 – 80. The higher the ISQ, the more stable the implant.



Osstell ISQ Module



# Osstell ISQ Module

## Benefits

- Assess implant stability, and monitor osseointegration process.
- Export patient data and results directly on USB stick for your clinical record.
- The touchscreen display shows the results of each measurement per implant. Simply assess the implant stability before final restoration by comparing the value to the baseline reading taken at implant placement.

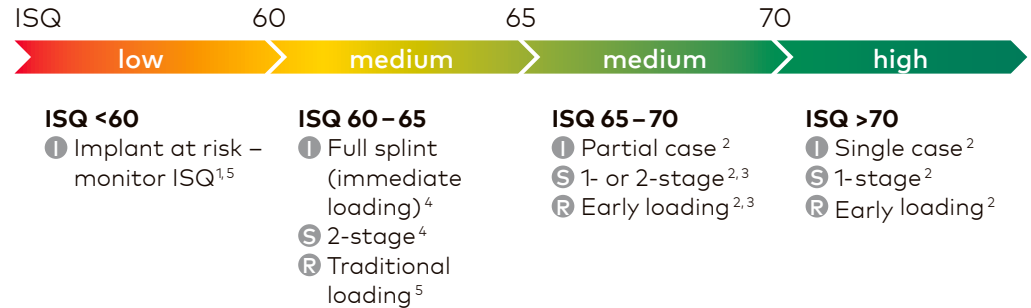
## Stability

Significant correlations between ISQ and implant displacement measurements in various bone densities, **in-vitro**.<sup>6,7</sup> Micro mobility decreases greater than 50% from 60 to 70 ISQ, **in-vitro**.<sup>6</sup>

I: Indication

S: Surgical protocol

R: Restorative protocol



For references and more information on the ISQ scale, please visit [osstell.com](http://osstell.com)

The above is a summary of scientific data and not an official recommendation provided by Osstell. To monitor osseointegration measure at placement and before final restoration.

- 1 Sennerby L. 20 Jahre Erfahrung mit der Resonanzfrequenzanalyse. *Implantologie* 2013; 21(1):21–33
- 2 Bornstein MM, Hart CN, Halbritter SA, Morton D, Buser D. Early loading of nonsubmerged titanium implants with a chemically modified sand-blasted and acid-etched surface: 6-month results of a prospective case series study in the posterior mandible focusing on peri-implant crestal bone changes and implant stability quotient (ISQ) values. *Clin Implant Dent Relat Res* 2009;11(4):338–47
- 3 Baltayan S, Pi-Anfruns J, Aghaloo T, Moy P. The Predictive Value of Resonance Frequency Analysis Measurements in the Surgical Placement and Loading of Endosseous Implants. *J Oral Maxillofac Surg.* 2016; 74(6):1145–52
- 4 Ostman PO, Hellman M, Sennerby L. Direct implant loading in the edentulous maxilla using a bone density-adapted surgical protocol and primary implant stability criteria for inclusion. *Clin Implant Dent Relat Res.* 2005;7 Suppl 1:S60–9
- 5 Rodrigo D, Aracil L, Martin C, Sanz M. Diagnosis of Implant Stability and its Impact on Implant Survival: A Prospective Case Series Study. *Clin Oral Implants Res.* 2010;21(3):255–61
- 6 Pagliani L, Sennerby L, Petersson A, Verrocchi D, Volpe S, Andersson P. The relationship between resonance frequency analysis (RFA) and lateral displacement of dental implants: an in vitro study. *J Oral Rehabil.* 2013;40(3):221–7
- 7 Trisi P, Carlesi T, Colagiovanni M, Perfetti G. Implant Stability Quotient (ISQ) vs Direct in Vitro Measurement of Primary Stability (Micromotion): Effect of Bone Density and Insertion Torque. *J Osteol Biomat* 2010;1(3):141–51

# OsseoSet 300 product line

## OsseoSet 300

87287	OsseoSet 300 1023, NW, 19LC, WS-75, 230V <sup>1</sup>
87288	OsseoSet 300 1023, N2, 19LC, WS-75, 230V <sup>2</sup>
87289	OsseoSet 300 1015, NW, 19LC, WS-75, 120V (US) <sup>1</sup>
87290	OsseoSet 300 1015, N2, 19LC, WS-75, 120V (US) <sup>2</sup>



## Osstell Module (Optional)

NB30210001	Osstell Module SI-SQ <sup>3</sup>
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## Accessories for OsseoSet 300

NB30033001	Surgical Contra-angle WS-75 L, 20:1
NB30056000	Surgical Handpiece S-11, straight 1:1
NB30058001	Surgical Handpiece S-11 L, straight 1:1
NB30095000	Surgical Handpiece Zygoma SZ-75, 20:1
NB30281000	Motor with Cable 1.8 m EM-19 LC
NB04363600	Irrigation Tubing Set 2.2 m, for OsseoSet 300 (6/pkg)
NB02610500	Cannula Internal Cooling
NB07962790	Transportation Case
NB30285001	Foot control S-N2 CAN-Bus
NB30264002	Foot control S-NW CAN-Bus (wireless)



1 Includes OsseoSet 300 drill unit, motor with cable 1,8m EM-19 LC, surgical contra-angle WS-75 L, 20:1 and wireless foot control.

2 Includes OsseoSet 300 drill unit, motor with cable 1,8m EM-19 LC, surgical contra-angle WS-75 L, 20:1 and foot control.

3 Please note that SmartPegs, needed when measuring on a patient, have to be ordered separately. Visit [www.osstell.com](http://www.osstell.com).

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