

Save the life with the traffic signal
Safe device for implant treatments

MEGA ISQ II™



Sophisticated design

Excellent portability (Pocket Size)

Convenient usability (Wireless)

Strong durability



 **MEGAGEN**
For Lifetime Smiles

www.imegagen.com

The Original Technology from Osstell

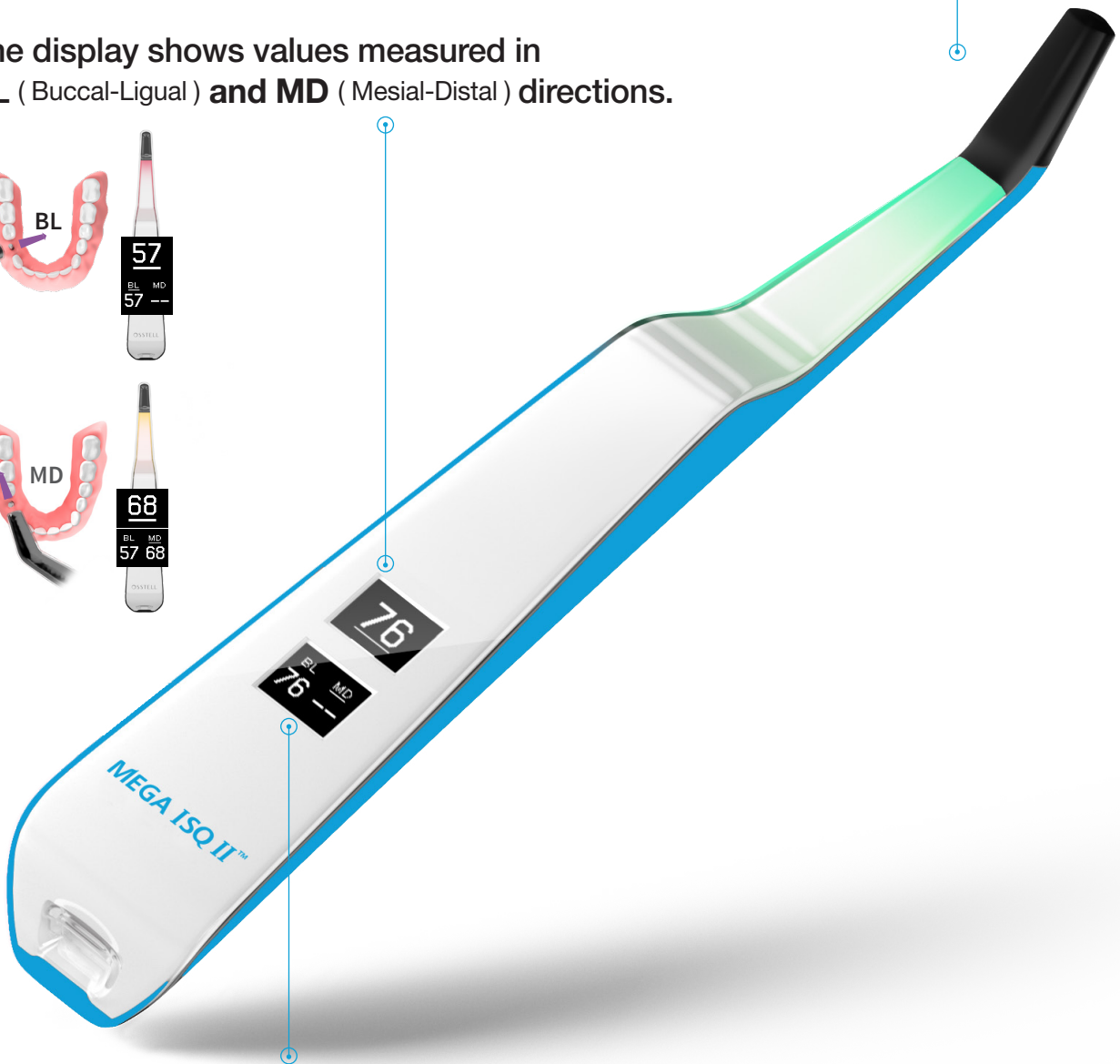
Meet the evolved *MEGA ISQ II*™

for confidence in dental implant loading decisions.

1. The color light change according to the ISQ value



2. The display shows values measured in BL (Buccal-Ligual) and MD (Mesial-Distal) directions.



3. Record and compare measurements from BL and MD.



Essential choice for your satisfaction implant loading

1. Optimal Loading Decision

The MEGA ISQ II System makes easier for dentists to decide when is the optimal time to load implants. It's the ideal substitute for tactile assessment. The decision will always be complicated. Several key clinical parameters and risk factors are involved, which most of them are related to the stability of the implant. Accurate measurements of implant stability therefore provide valuable diagnostic insight that helps ensure successful treatments.

3. Quality Assurance

Because MEGA ISQ II helps the dentist to decide when to load and avoid failure in high-risk situations, it becomes a quality-assurance system for the clinic. Most patients intuitively understand the stability measures and how they govern when to load an implant and when to wait. This increases their sense of confidence, security and quality. MEGA ISQ II also facilitates communications between surgeon and prosthodontist, as well as among different clinics.



5. Comfortable, Fast, Easy

Obtaining an exact measurement of an implant stability using the MEGA ISQ II is a completely non-invasive procedure. It can normally be performed in a few seconds. An experimentation shows that patients find it both comfortable and reassuring.

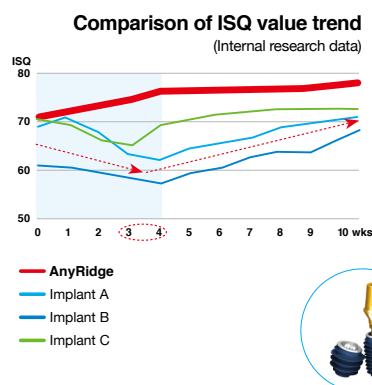


2. Early warnings-Preventing Failure

A failed treatment results the patient to suffer and considerable costs for both the patient and the dentist. A precise and reliable diagnostics tool like MEGA ISQ II reduces the risk of failure.

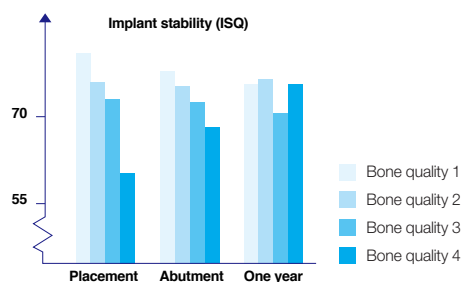
4. Perfect Matching

AnyRidge[®] fixtures do not depend on the cortical bone for initial stability. Decreased stress on the cortical bone helps to prevent stress on the cortical bone helps to prevent a bone resorption following fixture placement.



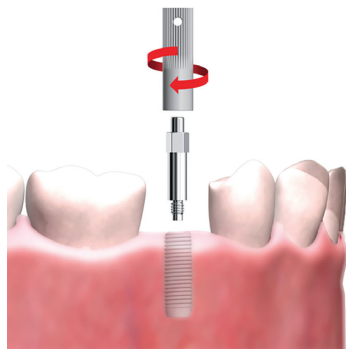
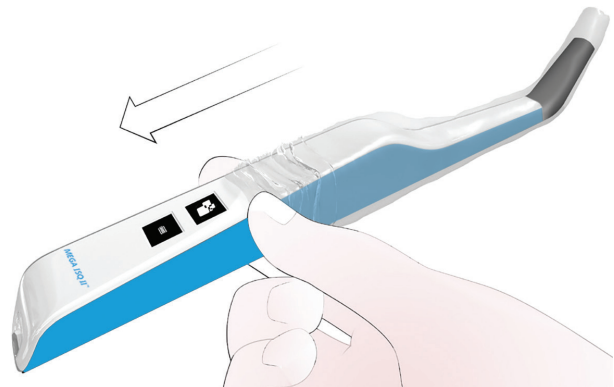
6. Stability Development in Different Bone Quality

High initial stability (ISQ values 70 and above) tends not to increase with time even if the high mechanical stability will decrease and to be replaced by a developed biological stability. Lower initial stability will normally increase with time due to the lower mechanical stability being enforced by the bone remodeling process (osseointegration). Values such as ISQ 55 or lower should be taken as a warning sign and actions to improve the stability might be considered (larger implant diameter, prolonged healing time etc.)*



This is the measurement method for *MEGA ISQ II*TM

1. Activate the MEGA ISQ II by picking it up then place a barrier sleeve over the instrument.
The instrument will start-up and be ready for measurement in the BL (Buccal – Lingual) direction.



2. Attach a new SmartPeg to the implant or abutment by screwing the SmartPeg Mount using finger force of approximately 4-6 Ncm.

3. Hold the instrument tip close (3-5mm) to the top of the SmartPeg without touching it. A sound indicates when measurement has started and the value will be shown in the upper display combined with a colored light indication below the instrument tip.

Bring the instrument out of the mouth to clearly read the ISQ value and the colored indication. The measured ISQ values will be displayed in the upper display for a couple of seconds and then switch to indicate ready for measurement in mesial-distal direction.

