



mis[®] | C1 XD[™]
The Connection for Predictable Biology

The Connection for Reliable Biology

The C1 XD implant is a powerful player in the MIS conical connection implant fleet and offers a versatile solution for all clinical indications. This simple, accurate and proven implant system was designed with a conical connection that optimizes biological benefits and esthetic results.

Benefits



Bone preservation

The C1 implant incorporates the platform-switching design concept. The 12-degree friction fit conical connection which ensures a secure seal and minimal micro-movements, micro-rings on the implant neck and a platform switched design, were engineered to provide a tight interface, improved BIC, and soft tissue preservation and growth. Crestal bone loss may be minimized by reducing mechanical trauma and stress in the cortical bone, and gaining soft tissue volume.



Maximum accuracy

Each C1 implant is supplied with XD - single-use, sterile drills, designed for optimal implant-drill compatibility and high initial stability, while ensuring safe and simplified procedures.



High initial stability

The C1 dual thread design increases the BIC (Bone to Implant Contact) over the entire body of the implant and ensures a safe and controlled insertion rate. With its conical, root-shaped geometry, the C1 is engineered for high primary stability and offers the ultimate choice for a wide range of clinical cases and loading protocols.



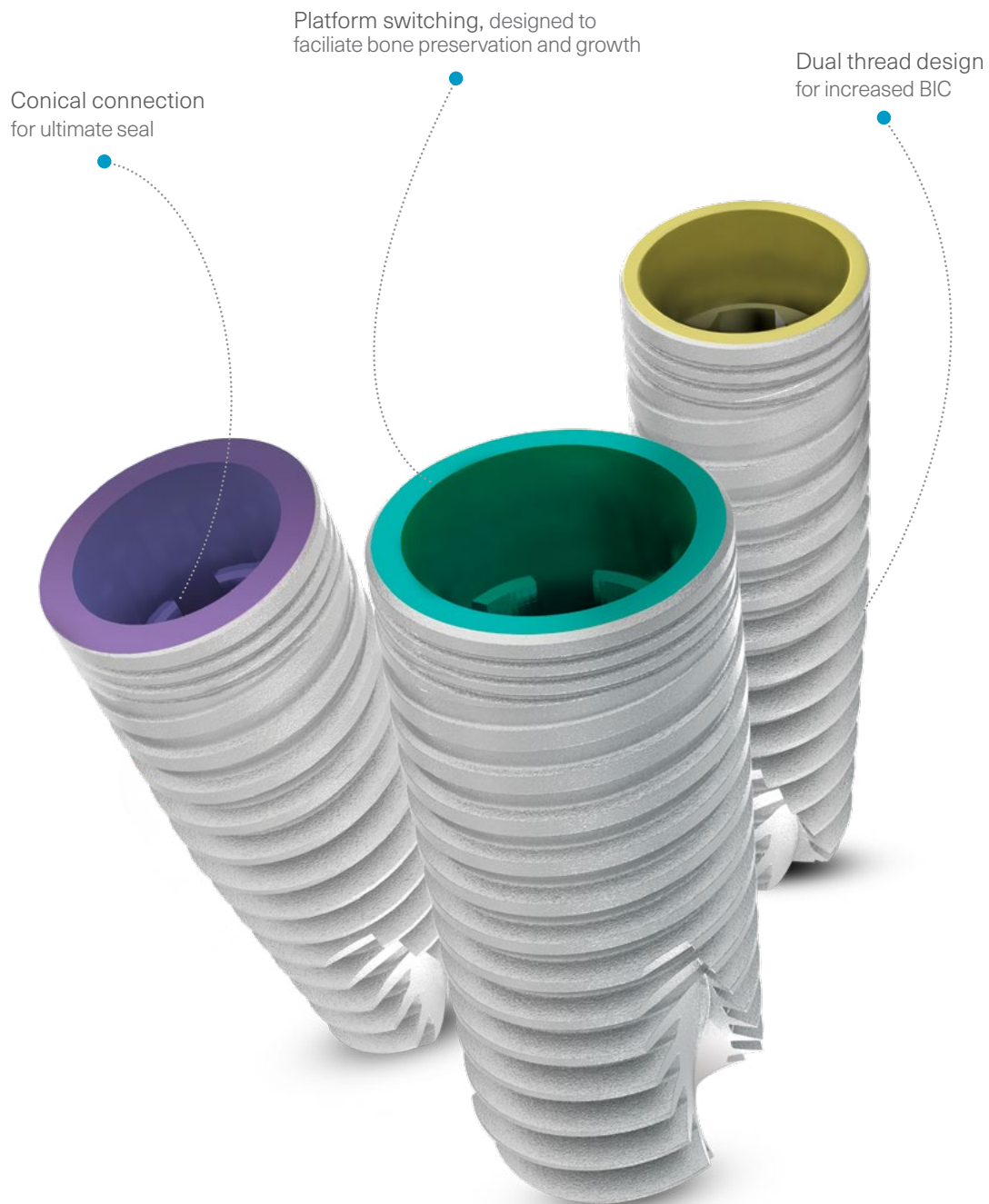
Esthetics

C1 implant system includes a variety of concave emergence profile abutments. This abutment profile was designed to give more room for soft tissue ingrowth. The gold-shaded abutments minimize the reflection through the gingiva; it allows enhanced esthetic results in a thin gingival environment.



Clinical success

The surface roughness and micro-morphology of MIS implants are a result of sandblasting and acid-etching. It has been documented to be highly osseo-conductive in type IV bone. The MIS surface technology has been acclaimed for its high cleanliness, making it one of the most outstanding surfaces on the market.



Implant Range

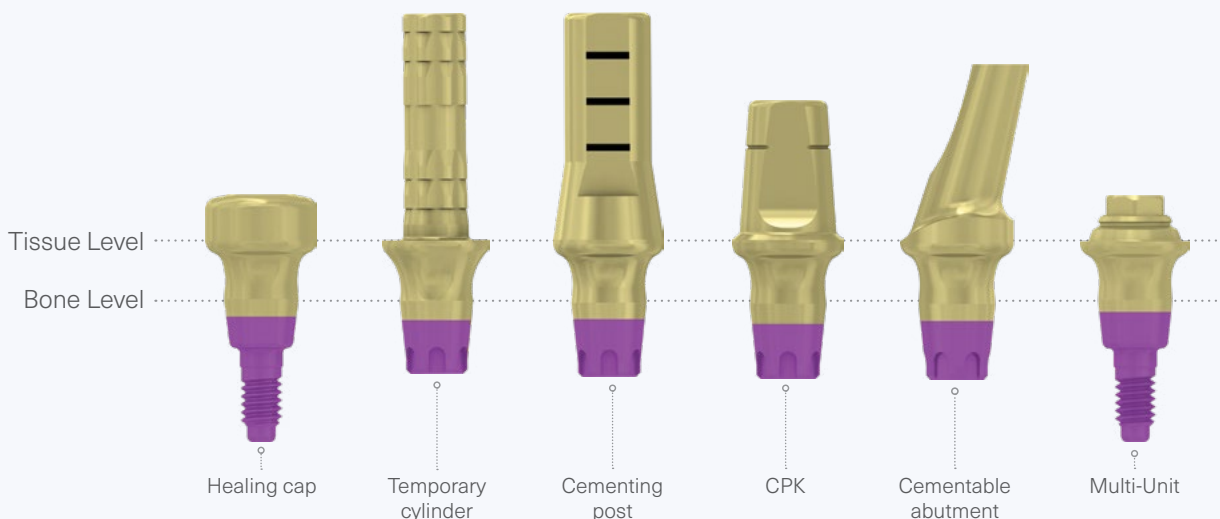
C1 XD is offered in a wide range of sizes and lengths, with three color-coded platforms: Narrow, Standard, and Wide.

D\L	8mm	10mm	11.50mm	13mm	16mm
Ø3.30		C1-D10330	C1-D11330	C1-D13330	C1-D16330
Ø3.75	C1-D08375	C1-D10375	C1-D11375	C1-D13375	C1-D16375
Ø4.20	C1-D08420	C1-D10420	C1-D11420	C1-D13420	C1-D16420
Ø5	C1-D08500	C1-D10500	C1-D11500	C1-D13500	C1-D16500

Prosthetic Options

MIS prosthetic line features a concave emergence profile. This abutment profile was designed to give more room for soft tissue ingrowth.

The gold-shaded abutments minimize the reflection through the gingiva; it allows enhanced esthetic results in a thin gingival environment.



MIS[®] | XD[™]

New. Sharp. Every single time.

MIS XD deliver a full procedure in every implant package. These single-use drills are designed for optimal implant-drill compatibility and high initial stability, while ensuring safe and simplified procedures.

The C1 XD Placement set is a compact kit that includes all the essential instruments needed during surgery. The XD Organizer Tray is designed to support the XD procedure by providing a convenient place to store the XD drills during surgery.



XD PLACEMENT SET

1. Marking drills
2. Insertion tools
3. Countersinks
4. Surgical torque ratchet



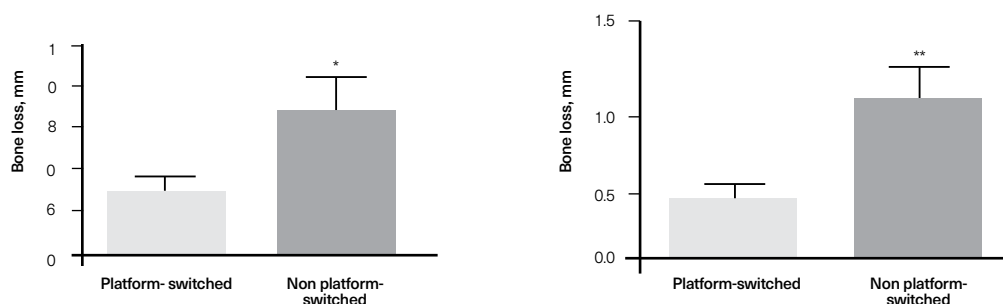
XD ORGANIZER TRAY



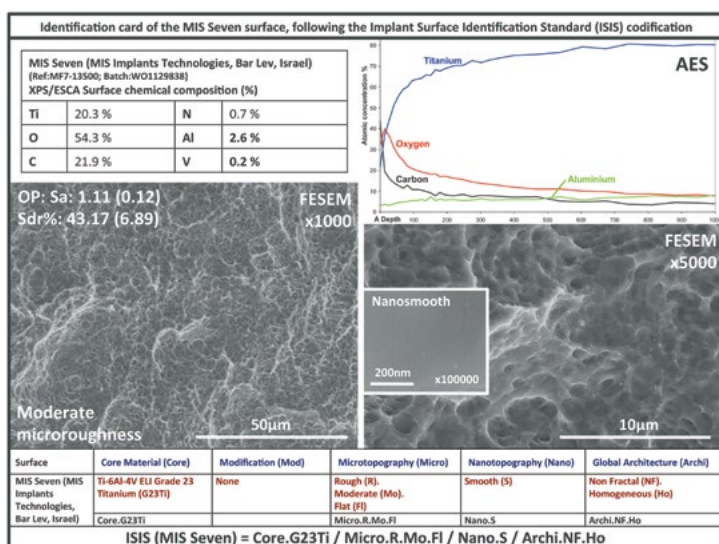
Research

Platform Switching

The present study confirms that the platform-switching concept can minimize marginal bone loss over a 1- year period, in agreement with a previous trial and recent meta-analysis. Specifically, average marginal bone loss around non-platform-switched implants (0.78 mm mesially and 0.90 mm distally) was more than twice the average marginal bone loss around platform-switched implants (0.30 mm mesially and 0.38 mm distally).



Significantly less bone loss was seen around platform-switched implants (left) at the time of insertion of the definitive prosthesis and (right) after 1 year of function. Data is presented as means \pm standard errors of the mean; statistical analyses were performed using two- tailed t tests for unpaired comparisons. *P < .05, **P < .01.



EDI Journal - 1/2015:

"Surface analysis of sterile-packaged implants", 65 different implant systems from 37 manufacturers and ten countries examined by (SEM). MIS implants, C1 and SEVEN, stood out positively without any findings of isolated spots with residue on the implants surface.

The POSEIDO Journal - 2014 (Volume 2):

"Identification card and codification of the chemical and morphological characteristics of 62 dental implant surfaces". Identification card of the MIS SEVEN implant, titanium grade 5 ELI, grade 23: "No pollution or chemical modification was detected.

MIS can guarantee that our implant surfaces uphold the highest standards of surface quality with a 99.8 -100% pure Titanium Oxide surface, as well as the validation of full coverage by sand blasting and acid

etching. These surface treatments help eliminate various surface contaminants while increasing the implant surface area, generating a surface with micro and nanostructures for optimum osseointegration.



The MIS Quality System complies with international quality standard ISO 13485: 2016 - Quality Management System for Medical Devices, with Medical Device Directive 93/42/EEC, and with EU Medical Device Regulation MDR 2017/745. Please note, that not all products are registered or available in every country/region.

IFUs for MIS products may be found at: <https://ifu.mis-implants.com>. Adobe Acrobat is required to view the IFU file on the website. This software may be freely downloaded from the Adobe website.