implatechone

implatechone.com

Your **Path** to Implant **Perfection**

INDEX

RAW MATERIALS

The titanium used in the production of ImplatechOne is supplied from worldwide well known companies Dynamet CARPENTER (USA) and ZAPP AG (Germany).

Although we import certified raw materials which have previously passed crack tests, on behalf of our quality management systems, we are processing laser and Xray supported additional tests to ensure prime quality material.

Aluminum Free unalloyed production without aluminum content, marks the foundation of our manufacturing process.

QUALITY CONTROL

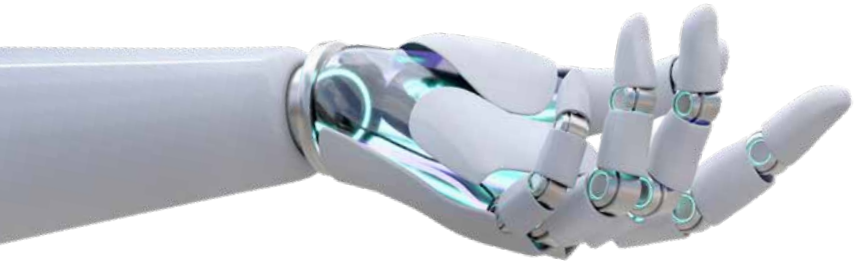
Each product we produce is checked by cutting-edge digital software, laser and optical inspection systems. Our quality controls and process management are not based on a percentage of the LOTS, but rather on 100% precise control of EACH product. The compliance of our products with manufacturing standards is evaluated in university laboratories, which are accredited in line with international quality certifications.

The evaluations are as follows:

- fracture test in which stress distributions, load distributions, and tensile distributions are evaluated
- tolerance test in which angulation limits and resistance limits are determined
- surface test with surface residue analyses and micro-roughness control
- sealing test where the sterilization process is checked
- shelf-life test for accurate determination of shelf-life without bacterial growth

CE 2292 ISO 13485

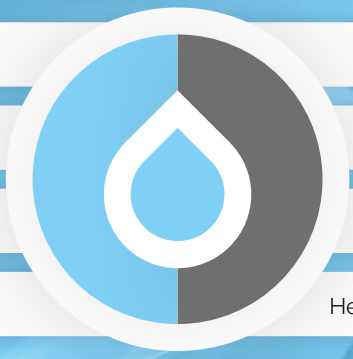
PRODUCTION TECHNOLOGIES



ZERO TOUCH ROBOTIC TECHNOLOGY

ImplatechOne Implant is at the forefront of technological advancement, delivering premium products to users worldwide. Our state-of-the-art robotic technology provides precise etched implant surface without human intervention by creating a consistently uniform texture.

PURIFIED WATER vs INDUSTRIAL OIL



Non-bacterial Deionized Water usage	Containing harmful bacteria
Oil residue free production	Oil film layer/residue on the surface
Acid Free production	Traditional acid cleaning usage
No chemical washing	Heavy chemical supported washing burden

ImplatechOne is one of the very few manufacturers to employ Deionised Water Technology as a coolant in the CNC production of implant components, a revolutionary departure from the traditional standard of industrial oil usage.

This innovative approach is not merely a preference but a cornerstone of ImplatechOne's unparalleled expertise. Traditional CNC processes heavily rely on industrial cooling oils to regulate the temperature of cutting tools. Nevertheless, these oils deposit a residual film on finished parts, fostering an environment conducive to anaerobic bacteria growth.

Moreover, upon depletion, they become a significant industrial waste burden. To clean these residual oils from the surface it is a must to use highly concentrated chemicals in washing processes, which are again creating damages and residuals on the surface that leads to another industrial waste burden.

jmr Journal of MATERIALS RESEARCH

Article **DOI**:10.1557/s43578-022-00553-x

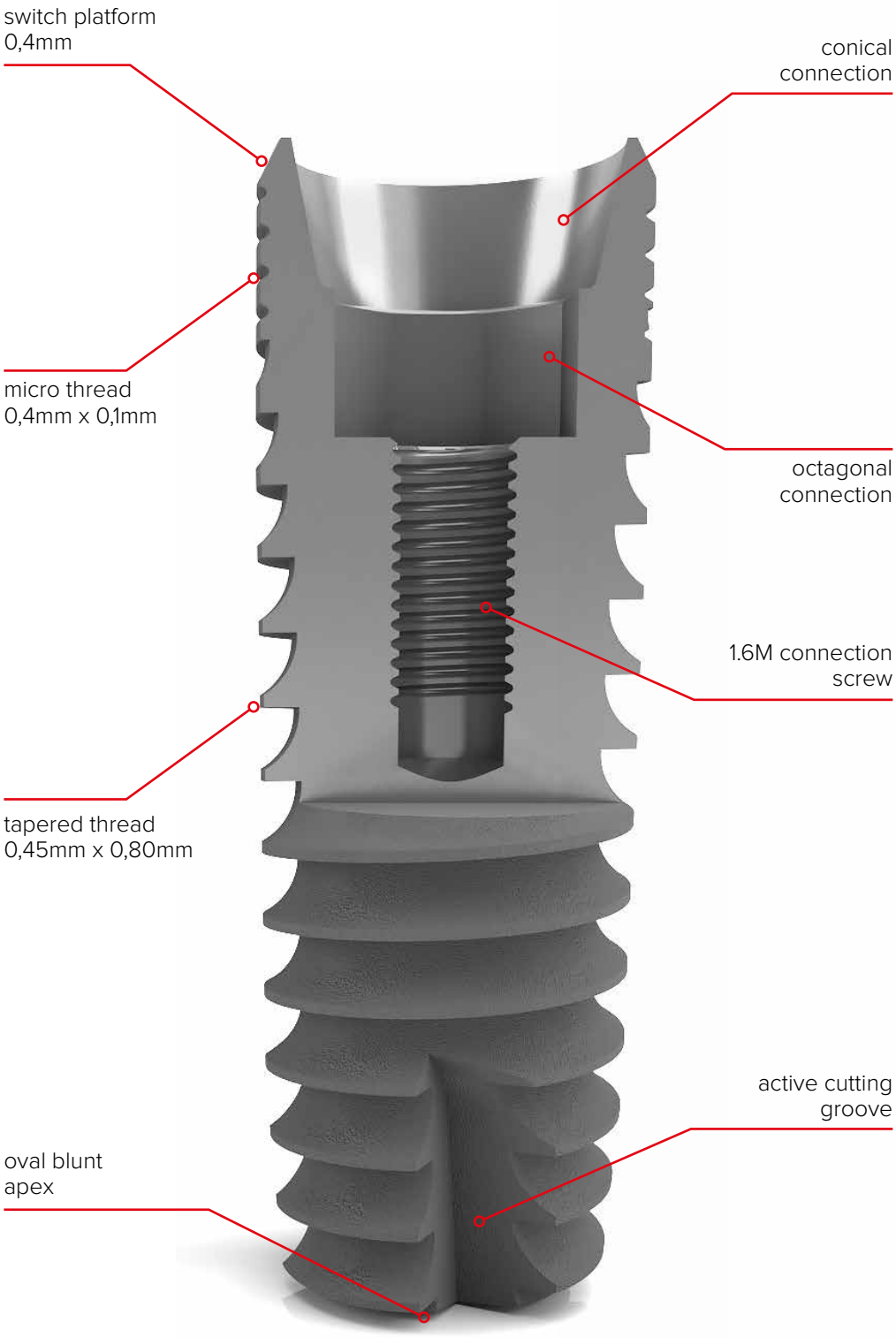
Bacteria growth on the oil-machined and sandblasted implants was higher than the implants only machined in oil (p value 0.014) and DI water (p value 0.002).

Cytotoxicity experiments also showed ~ 5% higher cell concentration on the DI-water-machined implants than the oil-machined implants and ~ 10% higher than the oil-machined/ sandblasted implants.

University of Florida & Virginia – USA 2022

DESIGN

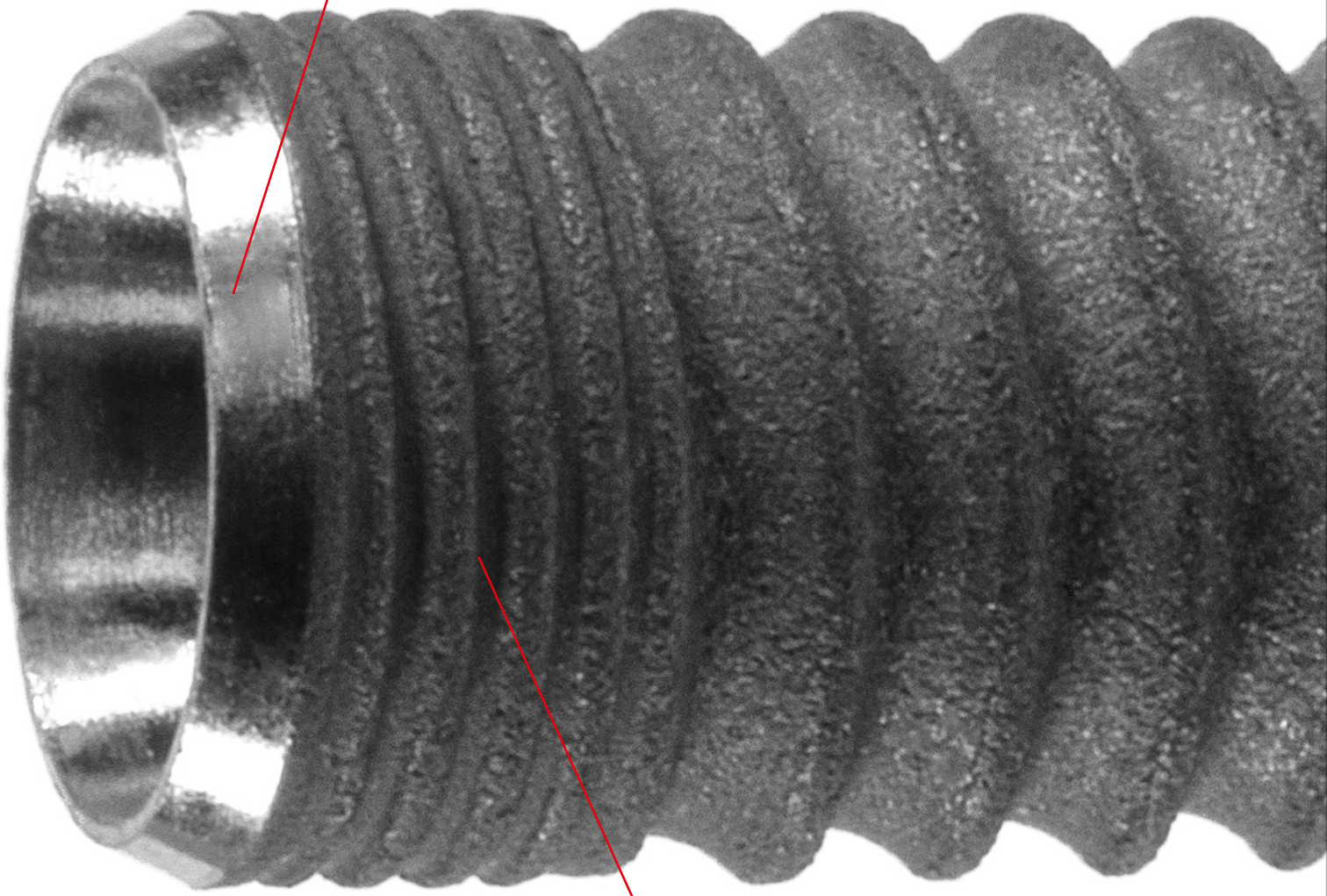
ImplatechOne can meet high success and aesthetic expectations in all bone types with its natural tooth structure and bone level root form design. This last generation design offers significant advantages by demonstrating high success in immediate implantation and ridge split cases.



- Self-Cutting & Tapered Threads
- High Primer Stability
- Flexibility for Course Correction
- Capacity to Penetrate Limited Bone Cases
- No Stress in the Bone
- Ideal Anchorage

Switch Platform: Prevents Bone Loss, Provides Aesthetics

The concave neck design, which creates the Switch Platform effect, facilitates the achievement of aesthetic results even in cases with thin gingival biotype. It enables the prevention and/or easy management of the possible bone loss in the neck area due to peri-implantitis, with the attachment of bone tissue and keratinized mucosa to the machined surface of 0.4mm. On sub-crestal placed implant cases, ImplatechOne machined surface neck design facilitates bone growth and attachment by creating succesful osseointegration, leading to higher implant survival rates.



No stress in neck

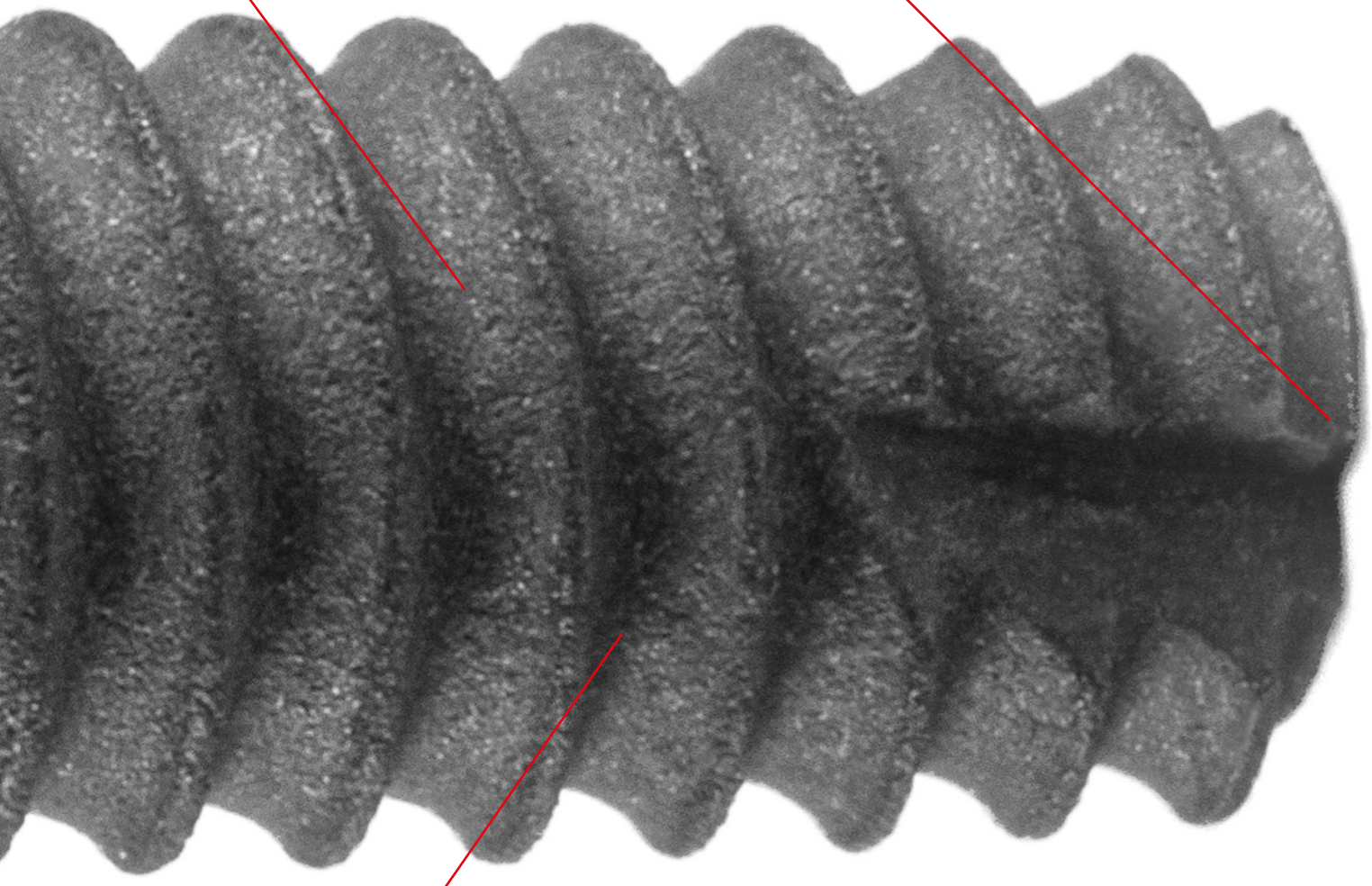
Dense grooves with 0.4 mm thread pitch in the neck region with shallow and blunt grooves of 0.1 mm depth provide a perfect fit in the coronal aspect without creating stress due to high friction in cortical bone.

Body, Threads, Apex

With it's root form and 3 different thread designs on the implant body, the implant behaves in a bone-friendly manner and does not lead to stress or stress-related complications on the bone during the placement of the implant in the cavity.

Cutting Groove & Blunt Apex

Double-sided cutting grooves, which were designed to be active in the apical part, facilitates the orientation of the implant during the placement and prevents damage to sensitive biological structures (sinus, mandibular canal, etc.) with its blunt tip.



Active primer stability

The tapered threads on the body, which are designed with a reverse angle towards the apical region, has a depth of 0.45 mm and 0.80 mm thread pitch. They cut the bone and push the particles towards the cutting grooves in the apical, increasing the bone quality in the apical region and also enhancing the bone-to-implant contact ratio. Thus, the quality of osseointegration increases, primary stability is achieved with the entire body of the implant.

CONNECTION

COLD WELD CONNECTION

Optimal Internal locking with Cold Weld Conical & Octagonal Connection

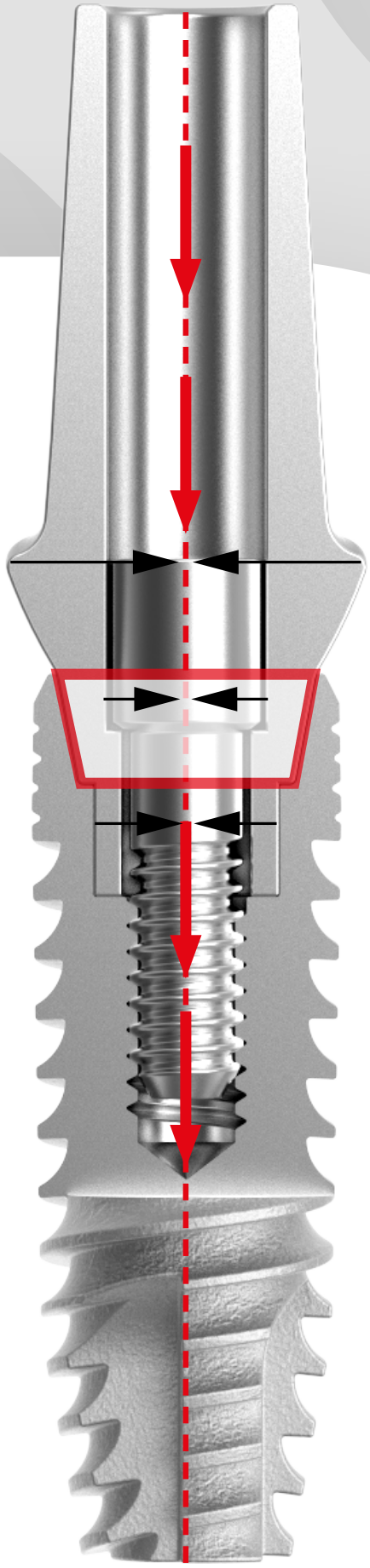
Cold Weld Conical & Octagonal Connection

- **Secure Prosthetic Retention:** Ensures optimal stability and longevity of dental restorations.
- **Platform Switching Capability:** Adapts to various bone conditions for versatile treatment options.
- **Exceptional Aesthetics:** Delivers natural-looking and harmonious smile results.
- **Conical Connection with Octagonal Lock:** Provides robust, three-dimensional stability and resistance to rotational forces.
- **Superior Mechanical Strength:** Guarantees implant durability and reliability.
- **Hermetic Seal:** Prevents bacterial infiltration and promotes long-term implant health.

NP RP

ImplatechOne has two different types of conical connections with color codes - NP (Narrow Platform), purple and RP (Regular Platform), dark turquoise. This color coding is applied on all products used from surgery to the end of prosthetic applications.

NP Platform from the mid-section 9° - 9° makes a total angle of 18° forming the conicity. In RP Platform, 11° - 11° makes a total of 22° forming the conicity. This advantage allows the homogenous distribution of masticatory loads to the connection based on the root crown ratio of implants to be placed in different regions.



NP

Narrow
Platform
Conical
Connection
9° - 9°
18°

RP

Regular
Platform
Conical
Connection
11° - 11°
22°

Enhances mechanical stability and reduces the likelihood of bone loss caused by uneven stress distribution. The seamless conical interface effectively seals out bacteria while minimizing the risk of fluid oscillation.

CONICAL & OCTAGON

The octagonal connection, located 1,5mm deeper than the end of 1,5mm deep conical connection, allows for a very deep connection of 3mm. On the one hand, it gives a 20% stronger connection compared to other connections, on the other hand, it provides the necessary sealing to be aware of micro-leakage.

The apical portion of the connection, which is designed in an octagonal shape, allows the homogenous distribution of the masticatory forces on the connection while increasing the tolerance values of implant-abutment contact-force distribution compared to other connection types.

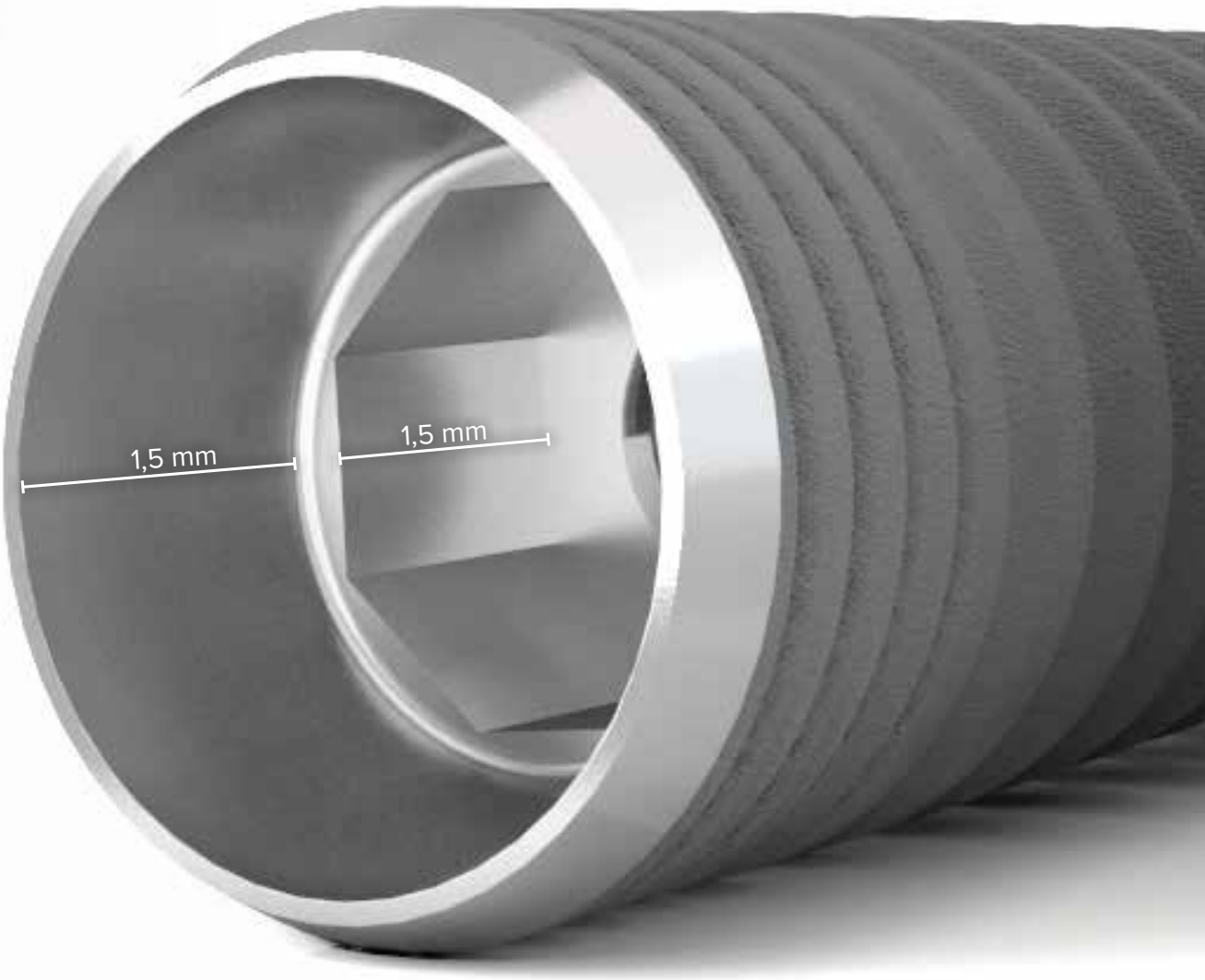
Also, the fact that the implant superstructures can fit on the body in 8 different positions of 45° angles thanks to the octagonal connection, increases the comfort of the dentist in aesthetic prosthetic approaches.

The implant-prosthetic conical connection system using 1.6M screws has been produced with a short knob in order to achieve the perfect fit and prevent infiltration and screw-neck fractures due to screw loosening. This advantage also allows the preparation of the abutment up to 50 ° angulation in aesthetic restorations.

onescrew
for all abutment

Unified Abutment Fixation with ImplatechOne

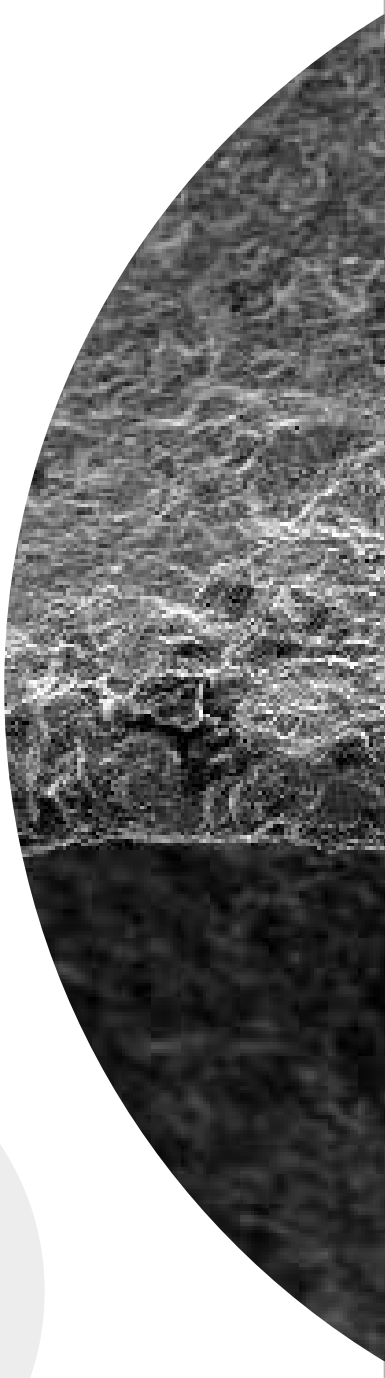
ImplatechOne feature a standardized single screw for connecting the implant and abutment, streamlining both clinical and laboratory processes.



SURFACE

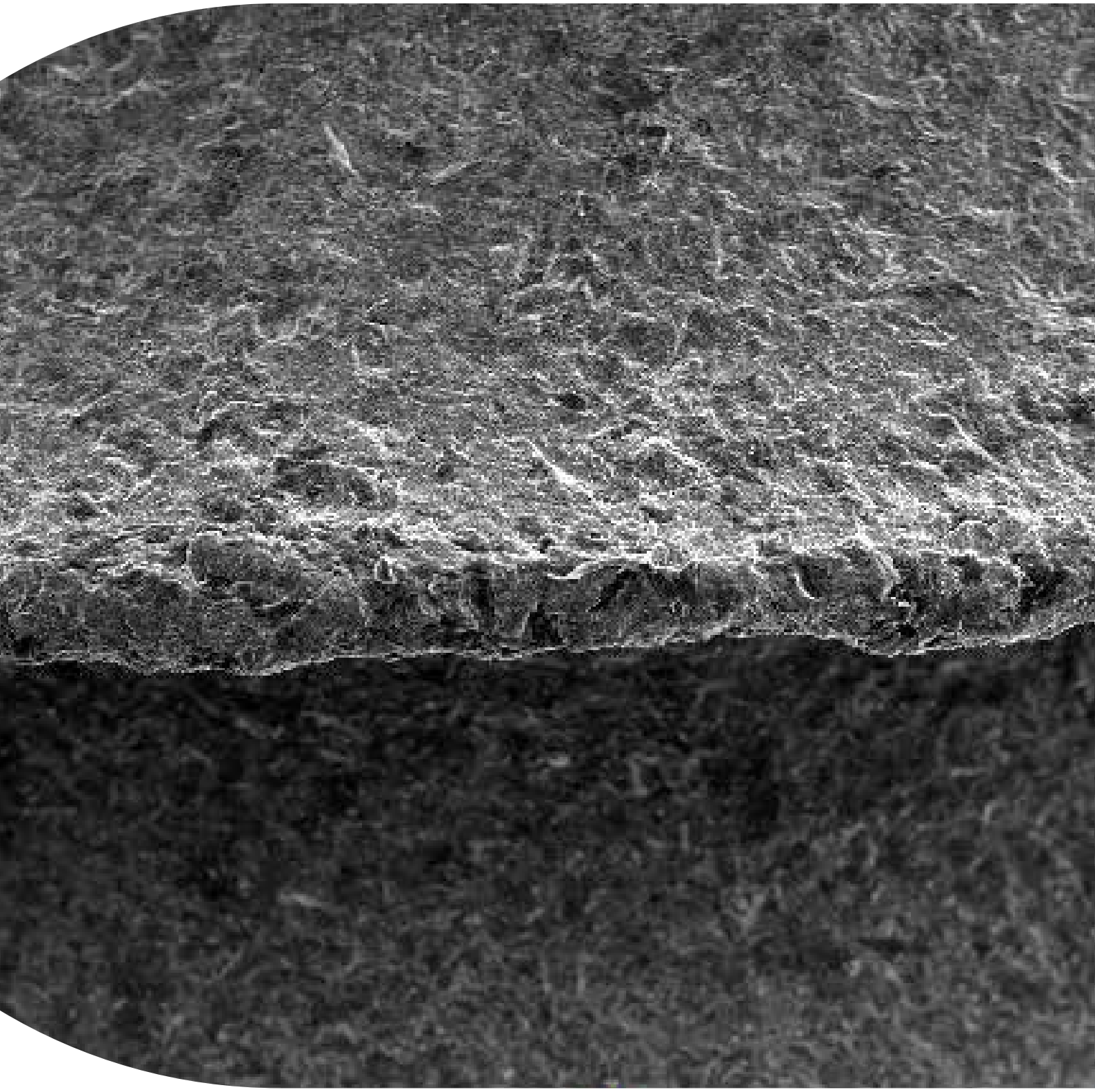
Optimal Bone-Implant Integration
BCP Surface Technology

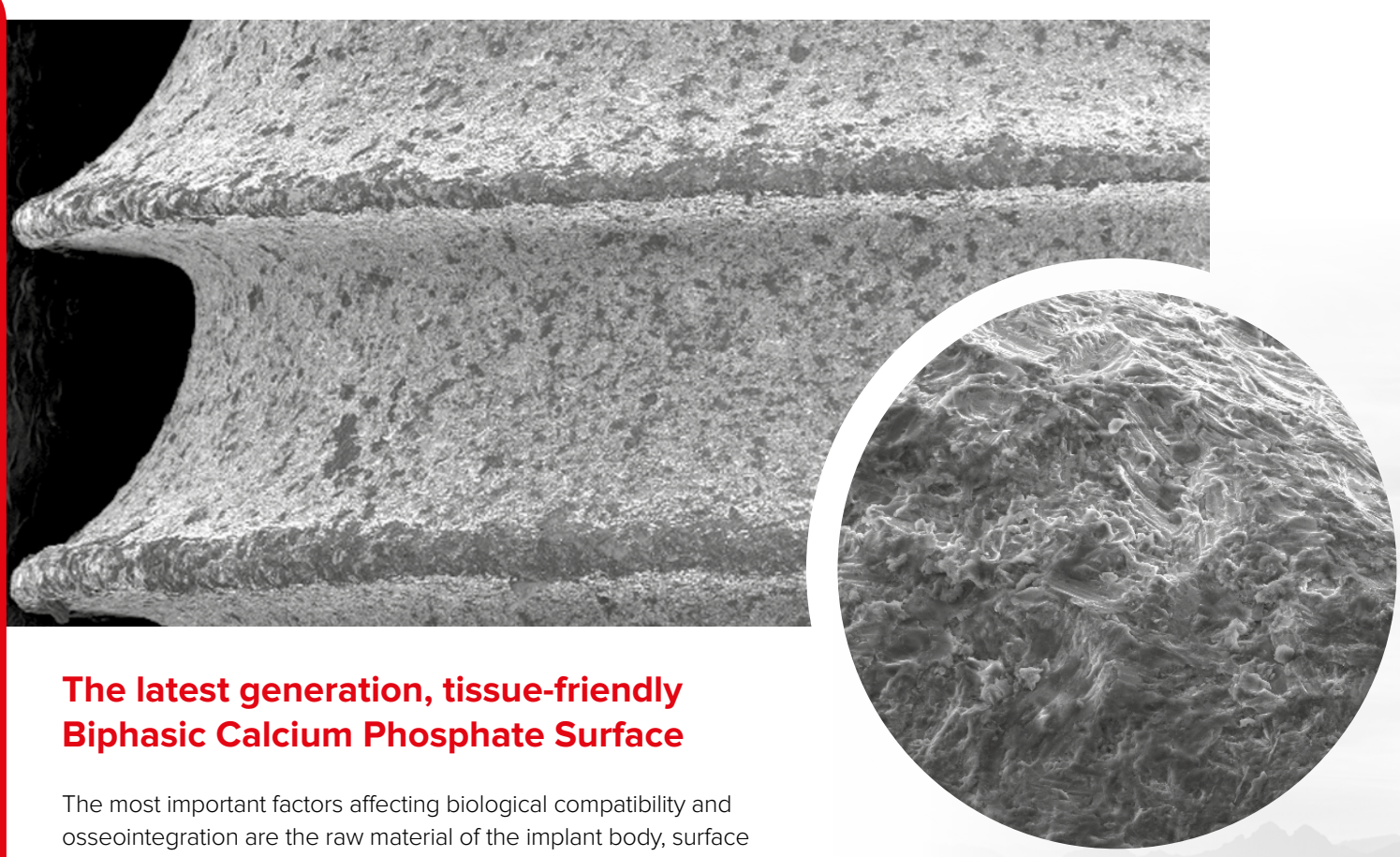
Hydroxyapatite and tricalcium phosphate, key ceramic components in dental biomaterials, closely mimic the structure of natural bone. ImplatechOne implants leverage a biocompatible Biphasic Calcium Phosphate (BCP) blasting, enriched with over 65% hydroxyapatite. Through a precise micro-blast process, we achieve a uniformly textured surface, fostering exceptional bone-implant contact.



ImplatechOne utilizes BCP, a superior material sourced from the USA and composed of over 65% HA, to roughen the surface. Unlike traditional methods, this process is entirely chemical-free, requiring no subsequent cleaning.

As a result, the need for acid-based passivation is eliminated, ensuring a safe and effective treatment.





The latest generation, tissue-friendly Biphasic Calcium Phosphate Surface

The most important factors affecting biological compatibility and osseointegration are the raw material of the implant body, surface structure, surface shape, and cleanliness of the surface.

While ImplatechOne is milled from Titanium Grade 4 rods with a production technology that is sensitive to nature and humans, “DEIONIZED WATER” is used for cooling purposes and this method eliminates all the negative aspects that oily production may cause on the surface. After the milling process, the implant bodies, which are cleaned by ultrasonic and walnut shell polishing, are made ready for “Biphasic Calcium Phosphate” surface treatment for optimum bone compatibility and tissue-friendly properties.

In Biphasic Calcium Phosphate Surface Morphology, bone-to-implant surface contact ratio is 35% higher than other surfaces.

With the Biphasic Calcium Phosphate surface technology from USA, the implant body surface is standardized homogeneously in the 1.4 ~ 1.8-micron range, which is defined as the best surface microporosity range for osseointegration specified in many scientific publications. Implant bodies that come out of the surface treatment process are checked 100% with the latest technology laser and optical systems.

Hydroxylapatite >65%, b-TCP, a-TCP, and TTCP phase <35%

Implant bodies with tested surfaces have a shelf life of 5 years with GAMA Sterilization.

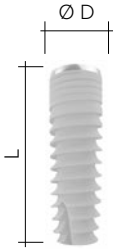

NO ACID
ALWAYS CLEAN
NO ALUMINUM
ALWAYS NATURAL
NO CHEMICAL BURDENS
ALWAYS PURE

ImplatechOne

ImplatechOne can meet high success and aesthetic expectations in all bone types with its natural tooth structure, bone level and root form design. This design also provides a great advantage in cases where the implant is placed by splitting thin ridges.

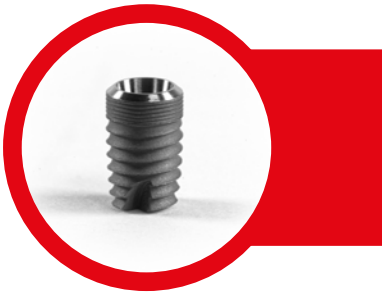
ImplatechOne

Provides solutions for different indications with a range of dimensions based on the available horizontal and vertical bone levels (3.3 / 3.7 / 4.1 / 4.7 in diameter and 8 mm - 10 mm - 11.5 mm - 13 mm in length). 0.4 mm area with a 50-degree tilt that provides the switch platform effect has a machined surface.



IMPLATECHONE

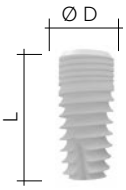
Platform	NP	NP	RP	RP
Implant Ø (D)	3.3 mm	3.7 mm	4.1 mm	4.7 mm
Length (L)				
8 mm	01.01.33.08	01.01.37.08	01.01.41.08	01.01.47.08
10 mm	01.01.33.10	01.01.37.10	01.01.41.10	01.01.47.10
11.5 mm	01.01.33.11	01.01.37.11	01.01.41.11	01.01.47.11
13 mm	01.01.33.13	01.01.37.13	01.01.41.13	01.01.47.13



ImplatechOne S Short

ImplatechOne SHORT, designed as 3.7 / 4.1 / 4.7 mm in diameter and 6mm in length, is indicated in advanced cases of bone atrophy, where the vertical bone level is insufficient in the maxilla and mandible.

0.4 mm area with a 50-degree tilt that provides the switch platform effect has a machined surface.



IMPLATECHONE S SHORT

Platform	NP	RP	RP
Implant Ø (D)	3.7 mm	4.1 mm	4.7 mm
Length (L)			
Short 6+1 mm	01.02.37.06	01.02.41.06	01.02.47.06

PACKAGING AND STERILIZATION

The ImplatechOne implant body is packed inside a transparent medically approved plastic bottle. The box is covered with gelatin with a practical tear off strip which facilitates the removal of the gelatin cover.

The color codes allows one to verify implant diameters as **PURPLE 3.3 - 3.7 Narrow Platform (NP)** and **TURQUOISE 4.1 - 4.7 Regular Platform (RP).**

Inside the bottle there is a vial and addhesive stickers which can be used to put on the implant passport to be delivered to the patient.

The vial consist implant body and the cover screw. These two titanium pieces are placed into vial in the clean room which is sterile atmosphere. After the packaking all products are sent to Gamma sterilisation process and with this procedure they gain 5 year of shelf life.

Instructions for Use

All ImplatechOne prosthesis parts are packaged in a medical tyvek packaging in the clean room after the washing process.

SURGICAL SET

The ImplatechOne surgical cassette is made of a material called Radel®, which is resistant to high temperature and pressure and has international medical certifications. This material, which is compatible with sterilization conditions and repeated use, does not corrode and can be cleaned very easily.

Both surgical sets include all kinds of equipment you may need during the operation. You can transfer the implant to the implant site you prepared, either by hand, with a ratchet, or with your implant motor. The longer hand driver, which enhances success and ease of use, provides more comfort to dentists, especially when working on lower quality (D3-D4) bones in the maxillary area.

The ratchet design, which stands out with its special monoblock production with titanite coating,

allows for easy cleaning and safe use and can meet high sterilization conditions.

Advanced Surgical Set
Ref 22.10.10.10

Smart Surgical Set
Ref 22.10.10.11

ImplatechOne offers easy and comfortable surgery...

IMPLANT DRILLS AND PARALLEL PINS

LANCE DRILL

	REF.
	22.01.01.00

DRILL EXTENDER

	REF.
	22.06.01.01

Ø2 mm PILOT DRILLS (With Stoppers)

		REF.
	L: 6 mm	22.10.20.06
	L: 8 mm	22.10.20.08
	L: 10 mm	22.10.20.10
	L: 11,5 mm	22.10.20.11
	L: 13 mm	22.10.20.13

IMPLANT DRILLS

		REF.
	Ø 2.4 / 2.8	22.01.28.01
	Ø 2.8 / 3.2	22.01.33.01
	Ø 3.2 / 3.6	22.01.37.01
	Ø 3.6 / 4.0	22.01.41.01
	Ø 4.0 / 4.5	22.01.47.01

PARALEL PINS

		REF.
	Ø 2.0	22.04.20.01
	Ø 3.3	22.04.33.01
	Ø 3.7	22.04.37.01
	Ø 4.1	22.04.41.01
	Ø 4.7	22.04.47.01

The drills produced with Carbon and Titanite coating technology prevent corrosion compared to drills produced from different raw materials, and by reducing the friction coefficient, this coating increases sharpness and surface hardness. While these advantages extend the life of the drill, it also prevents micro-necrosis areas that may occur in preparation sites where drills contact the bone.

HARD BONE DRILLS

COUNTERSINK

		REF.
	Ø 3.3	22.03.33.01
	Ø 3.7	22.03.37.01
	Ø 4.1	22.03.41.01
	Ø 4.7	22.03.47.01

BONE TAPS

		REF.
	Ø 3.3	22.02.33.01
	Ø 3.7	22.02.37.01
	Ø 4.1	22.02.41.01
	Ø 4.7	22.02.47.01

Depths are indicated by the laser marking method on this black coating surface. While depth lines can be seen very clearly on the coating, pilot are designed with stoppers for safe and easy surgery.

SURGICAL SET TOOLS

IMPLANT DRIVERS		REF
NP 	Implant Driver **NP Long**	22.05.10.02
NP 	Implant Driver **NP Short**	22.05.10.01
RP 	Implant Driver **RP Long**	22.05.20.02
RP 	Implant Driver **RP Short**	22.05.20.01

ADAPTORS	REF
	22.05.40.01

SCREW DRIVERS		REF
	Screw Driver for Ratchet **Extra Long**	22.05.30.04
	Screw Driver for Ratchet **Long**	22.05.30.02
	Screw Driver for Ratchet **Short**	22.05.30.01
	Screw Driver for **Angle Druva**	22.05.30.03

TORQUE RATCHET	REF.
	22.06.01.11

HANDLE IMPLANT DRIVER	REF.
	22.06.02.12

FROM HAND DRIVER TO OSTEOTOME

Parallel pins and implant drills match precisely and they fit perfectly to the implant preparation site.

You can make the osteotomy compatible with your implant and create solutions for cases with insufficient bone (sinus lifting) using the hand driver adapter and parallel pins that perfectly fit one another.

Mount the adapter on the hand driver.

Mount the parallel pin on the hand driver with the adapter, the part to be placed in the cavity facing forward.

You can safely use your osteotomy surgical tool that is compatible with your implant drills and implant system.

PROSTHETIC SOLUTIONS

one driver
for all abutment

For practical, comfortable, and simple use, you can manage 100% of your prosthetic parts with a SINGLE 1.25 mm. prosthetic driver that meets international standards.

Determining the cervical margins properly is crucial in achieving aesthetic results in root crown fitting. ImplatechONE impression pieces are designed separately for NP and RP Platforms. You can take accurate impressions with parts that fit either the open or closed-tray technique.

Anatomic healing abutments, designed at different heights, will facilitate flawless progression in your aesthetic approaches together with analogs that model the implant exactly.

HEALING ABUTMENTS

IMPRESSION POST / ANALOG

HEALING
ABUTMENT

IMPRESSION
POST

IMPLANT
ANALOG

CEMENTED
RESTORATION SOLUTIONS

OVERDENTURE
RESTORATION SOLUTIONS

MULTI UNIT
RESTORATION SOLUTIONS

DIGITAL CAD/CAM
RESTORATION SOLUTIONS

IMPRESSION POSTS ANALOGS AND HEALING ABUTMENT

Compatibility of the prosthetic with the gingival margin is crucial for a successful and aesthetic prosthetic solution. The gingiva should be shaped according to the emergence profile of the prosthetic with the help of healing abutments designed in different sizes and shapes. Both open-tray and closed-tray solutions allow for the error-free transfer of the impressions. The impressions are then connected with analog and the successful transfer process is completed with plaster modelling.

HEALING ABUTMENT

Platform	Implant	Diameter Ø	Height	Ref. No
NP	Ø3.3-Ø3.7	Ø4.0	H 2 mm	03.40.10.02
		Ø4.0	H 4 mm	03.40.10.04
		Ø4.0	H 6 mm	03.40.10.06
		Ø4.5	H 2 mm	03.45.10.02
		Ø4.5	H 4 mm	03.45.10.04
		Ø4.5	H 6 mm	03.45.10.06
RP	Ø4.1-Ø4.7	Ø4.5	H 2 mm	03.45.20.02
		Ø4.5	H 4 mm	03.45.20.04
		Ø4.5	H 6 mm	03.45.20.06
		Ø5.0	H 2 mm	03.50.20.02
		Ø5.0	H 4 mm	03.50.20.04
		Ø5.0	H 6 mm	03.50.20.06

IMPRESSION POST - ANALOG

Platform	Implant	Closed Tray	Open Tray	Analog
NP	Ø3.3-Ø3.7			
RP	Ø4.1-Ø4.7			

CLOSED TRAY

Platform	NP		RP	
	Ø3.3 mm	Ø3.7 mm	Ø4.1 mm	Ø4.7 mm
Short	04.01.15.03		04.01.25.03	
Long	04.01.10.03		04.01.20.03	

OPEN TRAY

Platform	NP		RP	
	Ø3.3 mm	Ø3.7 mm	Ø4.1 mm	Ø4.7 mm
Short	04.01.15.02		04.01.25.02	
Long	04.01.10.02		04.01.20.02	

ANALOG

Platform	NP		RP	
	Ø3.3 mm	Ø3.7 mm	Ø4.1 mm	Ø4.7 mm
	04.01.10.01		04.01.20.01	

CEMENTED RESTORATION SOLUTIONS

These abutments, which are preferred in traditional implant prosthetic approaches, provide solutions for indications such as single crowns, bridges, and total prosthetic restorations. Alternative designs such as Profile Abutment, Dual Abutment, Aesthetic Abutment, 15/25 ° Angled Aesthetic Abutment, give the user the most accurate functional use aesthetically based on the position of the implant and the relationship between bone - soft tissue - crown.

CEMENTED RESTORATION SOLUTIONS

PROFILE ABUTMENT

Platform	NP		RP	
Implant Ø	Ø3.3 mm	Ø3.7 mm	Ø4.1 mm	Ø4.7 mm
Profile Ø	Ø4.5 mm		Ø5.5 mm	
H: 1.0 mm	02.10.10.10		02.10.20.10	
H: 2.0 mm	02.10.10.20		02.10.20.20	
H: 3.0 mm	02.10.10.30		02.10.20.30	

Can be used for the fixed restorations of single crowns, bridges or cases with complete edentulism. It is easy to adapt to the desired site aesthetically by preparation.

DUAL ABUTMENT

Platform	NP		RP	
Implant Ø	Ø3.3 mm	Ø3.7 mm	Ø4.1 mm	Ø4.7 mm
Profile Ø	Ø4.0 mm		Ø5.0 mm	
H: 0,5 mm	02.01.40.05		02.01.50.05	
H: 1.0 mm	02.01.40.10		02.01.50.10	
H: 2.0 mm	02.01.40.20		02.01.50.20	
H: 3.0 mm	02.01.40.30		02.01.50.30	
H: 4.0 mm	02.01.40.40		02.01.50.40	

Can be used for the fixed restorations of single crowns, bridges, or cases with complete edentulism. There are many alternatives for gingival height, shoulder, and body width in order to obtain aesthetic and functional results quickly and save time for the technician and dentist. Can be prepared if the interocclusal space is insufficient.

AESTHETIC ABUTMENT

Platform	NP		RP	
Implant Ø	Ø3.3 mm	Ø3.7 mm	Ø4.1 mm	Ø4.7 mm
Profile Ø	Ø4.0 mm		Ø5.0 mm	
H: 1.0 mm	02.04.10.10		02.04.20.10	
H: 2.0 mm	02.04.10.20		02.04.20.20	
H: 3.0 mm	02.04.10.30		02.04.20.30	

Its form imitates the anatomical structure of the gingiva in the anterior zone, where aesthetic expectations are at a maximum level. It offers fast and aesthetically-oriented solutions to its users that would meet their expectations.

15° AESTHETIC ABUTMENT

Platform	NP		RP	
Implant	Ø3.3 mm	Ø3.7 mm	Ø4.1 mm	Ø4.7 mm
H: 1.0 mm	02.02.10.10		02.02.20.10	
H: 2.0 mm	02.02.10.20		02.02.20.20	
H: 3.0 mm	02.02.10.30		02.02.20.30	
H: 4.0 mm	02.02.10.40		02.02.20.40	

25° AESTHETIC ABUTMENT

Platform	NP		RP	
Implant	Ø3.3 mm	Ø3.7 mm	Ø4.1 mm	Ø4.7 mm
H: 1.0 mm	02.03.10.10		02.03.20.10	
H: 2.0 mm	02.03.10.20		02.03.20.20	
H: 3.0 mm	02.03.10.30		02.03.20.30	
H: 4.0 mm	02.03.10.40		02.03.20.40	

Offers a wide selection of angled 15 ° and 25 ° designs and different gingival heights. Its aesthetic form imitating the gingival anatomy provides an excellent soft-tissue relationship. Thanks to its octagonal connection design, it allows the dentist to load in 8 different positions at a 45 ° angle.

These abutments, which are preferred in traditional implant prosthetic approaches, provide solutions for indications such as single crowns, bridges, and total prosthetic restorations. Alternative designs such as Profile Abutment, Dual Abutment, Aesthetic Abutment, 15/25 ° Angled Aesthetic Abutment, give the user the most accurate functional use aesthetically based on the position of the implant and the relationship between bone - soft tissue - crown.

CEMENT RETAINED ABUTMENTS PROSTHETIC PROTOCOL

Healing Abutment

Impression Post Open Tray

Impression Post Closed Tray

Lab. Analog

Aesthetic 25° Abutment

Aesthetic 15° Abutment

Aesthetic Abutment

Dual Abutment

Profile Abutment

Abutment Screw NP/RP
03.02.15.01

OVERDENTURE RESTORATION SOLUTIONS

With Ball Abutment and Locator Abutment, we offer a removable Rhein83 and/or Kerator prosthesis option that provides high retention and stability on implants without angular problems in total edentulous cases. In addition, Zest Anchor plastic and metal caps (housing/ matrix) are compatible with ImplatechOne Locator Abutment which is used in order to be loaded with up to ± 20 degree angulation in both angled and removable total edentulous prosthetic restorations.

OVERDENTURE RESTORATION SOLUTIONS

BALL ABUTMENT

Platform	NP		RP	
Implant Ø	Ø3.3 mm	Ø3.7 mm	Ø4.1 mm	Ø4.7 mm
H: 0.5 mm	02.06.10.05		02.06.20.05	
H: 1.0 mm	02.06.10.10		02.06.20.10	
H: 2.0 mm	02.06.10.20		02.06.20.20	
H: 3.0 mm	02.06.10.30		02.06.20.30	
H: 4.0 mm	02.06.10.40		02.06.20.40	
H: 6.0 mm	02.06.10.60		02.06.20.60	

- Simplified solution for atrophic jaws.
- Cost-conscious approach

LOCATOR ABUTMENT

Platform	NP		RP	
Implant Ø	Ø3.3 mm	Ø3.7 mm	Ø4.1 mm	Ø4.7 mm
H: 0.5 mm	02.07.10.05		02.07.20.05	
H: 1.0 mm	02.07.10.10		02.07.20.10	
H: 2.0 mm	02.07.10.20		02.07.20.20	
H: 3.0 mm	02.07.10.30		02.07.20.30	
H: 4.0 mm	02.07.10.40		02.07.20.40	
H: 6.0 mm	02.07.10.60		02.07.20.60	

- Ideal solution for where parallelism is compromised
- Can tolerate ±20° divergence
- Compatible with male/female elastic caps
- Compatible with Zest Anchor and Kerator

17° MULTI-UNIT ABUTMENT

Platform	NP		RP	
Implant Ø	Ø3.3 mm	Ø3.7 mm	Ø4.1 mm	Ø4.7 mm
H: 2.5 mm	02.08.10.25		02.08.20.25	
H: 3.5 mm	02.08.10.35		02.08.20.35	

30° MULTI-UNIT ABUTMENT

Platform	NP		RP	
Implant Ø	Ø3.3 mm	Ø3.7 mm	Ø4.1 mm	Ø4.7 mm
H: 3.5 mm	02.09.10.35		02.09.20.35	
H: 4.0 mm	02.09.10.40		02.09.20.40	

- Offers overdenture on tilted implants (17 - 30)
- Ball Abutment & Locator options
- Easy occlusal plane adjustment with different post heights
- Offers conversion from fixed prothesis easily
- Suitable for overdenture and hybrid restorations

Multi Unit Angled Locater Cover H1
03.10.20.01

Multi Unit Angled Locator Cover H2
03.10.20.02

Multi Unit Angled Ball Cover H1
03.10.10.01

Multi Unit Angled Ball Cover H2
03.10.10.02

OVERDENTURE ATTACHMENT SYSTEMS

Locator Abutment Kerator Set
03.55.10.30

Ball Abutment Rhein83 Set
03.55.10.10

Ball Abutment Analog

Locator Abutment Analog

OVERDENTURE IMPRESSION SYSTEMS

Platform	NP		RP	
Implant Ø	Ø3.3 mm	Ø3.7 mm	Ø4.1 mm	Ø4.7 mm
Locator Abutment Analog	04.07.01.02		04.07.01.03	
Ball Abutment Analog	04.06.01.02		04.06.01.03	

OVERDENTURE ABUTMENTS PROSTHETIC PROTOCOL

HEALING Abutment

Locator Pick-Up Closed Tray Plastic

Ball Pick-Up Closed Tray Plastic

Impression Post Open Tray

Impression Post Closed Tray

Locator Abutment Analog

Ball Abutment Analog

Lab. Analog

LOCATOR ABUTMENT

30° Angled Multi Unit Screw Abutment & Locator Cover

17° Angled Multi Unit Screw Abutment & Locator Cover

LOCATOR Abutment

BALL ABUTMENT

30° Angled Multi Unit Screw Abutment & Ball Cover

17° Angled Multi Unit Screw Abutment & Ball Cover

BALL Abutment

MULTI UNIT N RESTORATION SOLUTIONS

Occlusally screw-retained abutments are favored in modern implant prosthetics. They help to minimize complications associated with residual cement, enhance long-term implant success, and offer advantages in cases with limited vertical bone dimension. These abutments are also ideal for Zircon abutment-Zircon crown combinations and bar-retained prostheses in total edentulism.

MULTI UNIT N RESTORATION SOLUTIONS

MULTI UNIT SCREW N ABUTMENT

Platform	NP		RP	
Implant	Ø3.3 mm	Ø3.7 mm	Ø4.1 mm	Ø4.7 mm
H: 1.5 mm	02.16.15.04		02.16.15.36	
H: 2.5 mm	02.16.25.04		02.16.25.36	
H: 3.5 mm	02.16.35.04		02.16.35.36	
H: 4.5 mm	-		02.16.45.36	

17° MULTI UNIT SCREW N ANGLED ABUTMENT

Platform	NP		RP	
Implant	Ø3.3 mm	Ø3.7 mm	Ø4.1 mm	Ø4.7 mm
H: 2.5 mm	02.14.05.04		02.14.05.36	
H: 3.5 mm	02.14.06.04		02.14.06.36	

30° MULTI UNIT SCREW N ANGLED ABUTMENT

Platform	NP		RP	
Implant	Ø3.3 mm	Ø3.7 mm	Ø4.1 mm	Ø4.7 mm
H: 3.5 mm	02.14.07.04		02.14.07.36	
H: 4.5 mm	02.14.08.04		02.14.08.36	

MULTI-UNIT N Abutment

Advanced and Enhanced Contour

- Minimal Bone Removal: The rounded profile ensures a secure fit without the need to reduce crestal bone.
- Versatile Applications: Ideal for both screwed and removable restorations.
- Precise Fitting: The wide shoulder provides accurate placement.
- Multiple Angles: Available in both straight and angled (17°, 30°) options.
- User-Friendly: Designed for easy handling and manipulation.
- Digital Compatibility: Suitable for digital restoration processes.
- Optimized Strength: The narrower design maximizes the strength of the final crown.

Multi Unit N Temporary Abutment
33.00.11.00

Multi Unit N Burn Out Plastic
33.00.08.00

M1.4 Multi Unit N Crown Screw
06.01.01.08

Multi Unit N Open Tray Impression Post
33.00.04.12

Scanbody Multi Unit N
13.00.01.00

Multi Unit N Gingival Cap
33.00.10.00

Multi Unit N Analog
34.00.14.01

Multi Unit N Digital Analog
34.00.13.01

Multi Unit N Coping Nonengaged
02.07.02.00

Occlusally screw-retained abutments are favored in modern implant prosthetics. They help to minimize complications associated with residual cement, enhance long-term implant success, and offer advantages in cases with limited vertical bone dimension. These abutments are also ideal for Zircon abutment-Zircon crown combinations and bar-retained prostheses in total edentulism.

SCREW RETAINED MULTI UNIT N ABUTMENT PROSTHETIC PROTOCOL

Digital Restoration

Scan Abutment

Digital Analog

Temporary Abutment

Digital Coping

Standard Restoration

Impression Coping

Lab. Analogs

Burnout Plastic

Temporary Abutment

Prosthetic Screw

30°

17°

Multi-Unit

Multi Unit N Abutment Plastic Driver
Ref 33.00.00.17

Multi Unit N Adaptor
Ref 34.00.00.01

Multi Unit N Angled Abutment Metal Driver
Ref 33.00.00.18

DIGITAL CAD/CAM RESTORATION SOLUTIONS

It offers all-digital solutions that allow you to mill custom-made abutments either from zircon or titanium pre-milled abutments, which are compatible with different digital platforms for bridges and single crowns.

DIGITAL CAD/CAM RESTORATION SOLUTIONS

TI-BASE ENGAGED CEREC ABUTMENT

Platform	NP		RP	
	Ø3.3 mm	Ø3.7 mm	Ø4.1 mm	Ø4.7 mm
H: 0.7 mm	03.01.15.07		03.01.25.07	
H: 2,5 mm	03.02.30.25		03.02.40.25	

Ti-Base serves as a bridge between the implant and the final or temporary restoration, enabling the creation of highly precise and aesthetically pleasing CAD/CAM customized solutions. This abutment is compatible with the CEREC system, offering a wide range of implant options.

TI-BASE SINGLE CROWN ENGAGED ABUTMENT

Platform	NP		RP	
	Ø3.3 mm	Ø3.7 mm	Ø4.1 mm	Ø4.7 mm
H: 0.7 mm	03.02.10.07		03.02.20.07	
H: 2.5 mm	03.02.10.25		03.02.20.25	

The Ti-Base Non-Engaged Abutment provides unmatched versatility and a simple cementation process for single-tooth restorations.

TI-BASE NON-ENGAGED DIGITAL ABUTMENT

Platform	NP		RP	
	Ø3.3 mm	Ø3.7 mm	Ø4.1 mm	Ø4.7 mm
H: 0.7 mm	03.01.10.07		03.01.20.07	
H: 2.5 mm	03.01.10.25		03.01.20.25	

Designed for flexibility, the Ti-Base Non-Engaged Abutment ensures effortless cementation and accommodating a wide range of bridge & multi restorative needs.

PREMILL ABUTMENT

Platform	NP		RP	
	Ø3.3 mm	Ø3.7 mm	Ø4.1 mm	Ø4.7 mm
	03.01.10.01		03.01.20.01	

Premill abutments serve as the foundation for creating customized titanium abutments using computer-aided manufacturing (CAM). The implant connection is pre-engineered with precise measurements, guaranteeing a seamless fit between the implant and abutment.

DIGITAL IMPRESSION TRANSFERS

SCAN BODY

Platform	NP		RP		
Diameter	Ø 5.5		Ø 5.5 mm		
	Ø3.3 mm	Ø3.7 mm	Ø4.1 mm	Ø4.7 mm	Ø5.2 mm
	03.01.11.01		03.01.21.01		

SCANBODY MULTI UNIT N

REF.
13.00.01.00

DIGITAL ANALOG

Platform	NP		RP		
Diameter	Ø 5.5		Ø 5.5 mm		
	Ø3.3 mm	Ø3.7 mm	Ø4.1 mm	Ø4.7 mm	Ø5.2 mm
	20.00.01.00		20.00.02.00		

MULTI UNIT N DIGITAL ANALOG

REF.
34.00.13.01

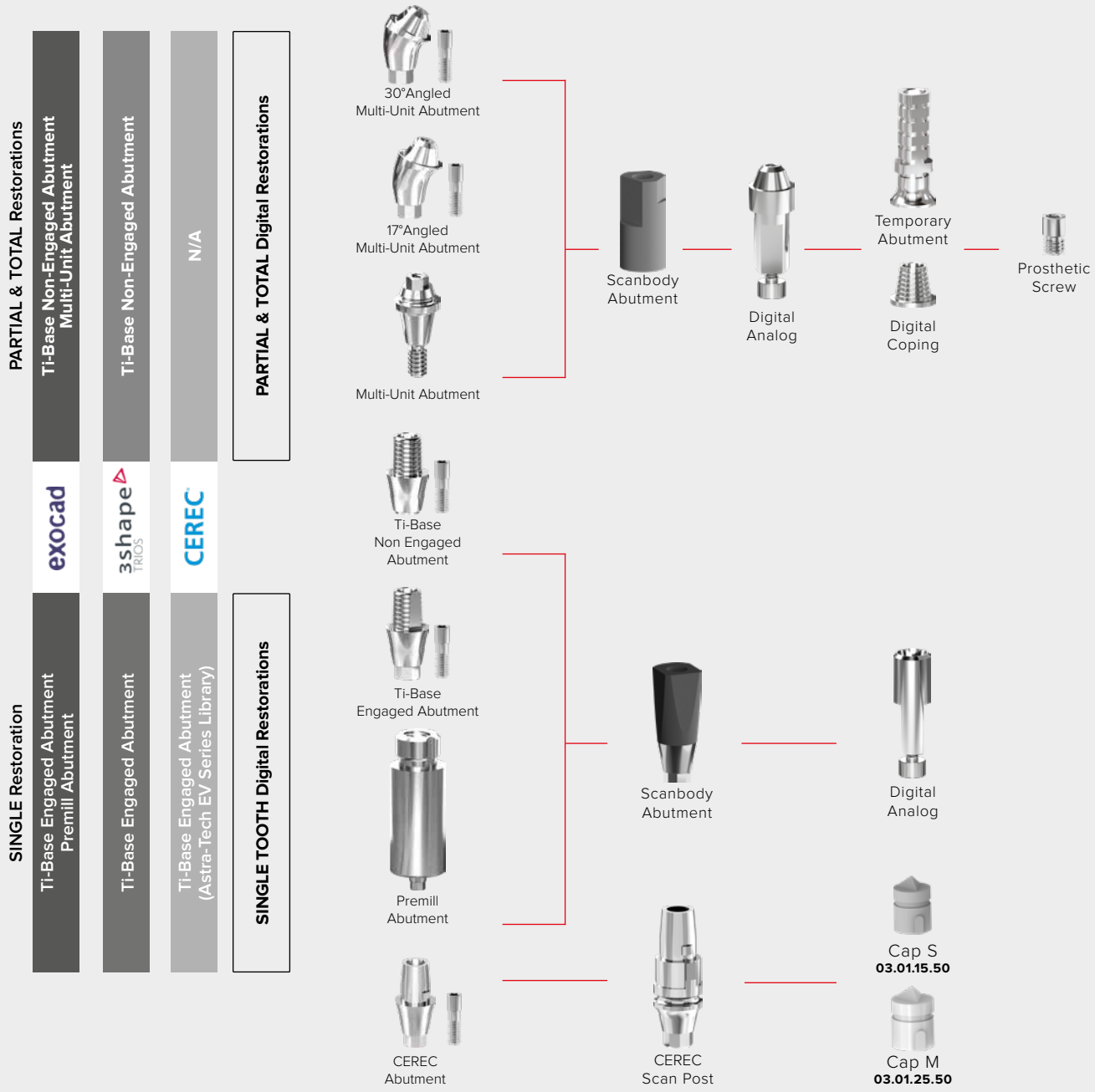
SCAN POST CEREC ABUTMENTS

Platform	NP		RP		
Diameter	Ø 3.0		Ø 3.4 mm		
	Ø3.3 mm	Ø3.7 mm	Ø4.1 mm	Ø4.7 mm	Ø5.2 mm
	03.01.15.02		03.01.25.02		

MULTI UNIT N COPING NON ENGAGED

REF.
02.07.02.00

DIGITAL CAD/CAM RESTORATION



CEREC® COMPATIBLE BASES FOR CAD/CAM RESTORATIONS

SCAN POST

implatechone				DENTSPLY **ASTRA TECH EV**	
	Implant Ø	**Scan Post Code**	**Plastic Connection**	**Implant Ø**	**Scan Post Code**
NP	Ø3,3 - Ø3,7	NP-S Scan Post	S	Ø3,6	AT EV 3,6 S
RP	Ø4,1 - Ø4,7	RP-L Scan Post	L	Ø4,2	AT EV 4,2 L

TI-BASE ENGAGED ABUTMENT

	DENTSPLY **ASTRA TECH EV**	
TiBase CODE	**Implant Ø**	**TiBase CODE**
NP-S TiBase H0.7 NP-S TiBase H2.5	Ø3,6	AT EV 3,6 GH1 S
RP-L TiBase H0.7 RP-L TiBase H2.5	Ø4,2	AT EV 4,2 GH1 L

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implatech

Welcome to Implatech Ltd...

Founded in 2007, Implatech Ltd. has rapidly emerged as a premier brand in dental implantology, driven by an unwavering commitment to quality in both our products and services.

Our Journey

Starting as an importer of globally renowned innovating dental products, we have consistently empowered dentists and surgeons to deliver successful, safe, and comfortable treatments. Over time, we evolved our mission to become a comprehensive solution provider in the dental field, including not only implants but also educational and healthcare services.

Our Divisions

Implatech Institute (2014)
Established to elevate clinical skills through workshops, hands-on courses, cadaver courses, and master's programs, in partnership with international institutions and universities.

www.implatechinstitute.com

ImplatechONE (2019)
Launched as our proprietary implant brand, marking our transition from an importer to a producer and exporter.

www.implatechone.com

Medistanbul (2021)
Created to connect patients with top-tier clinics, fostering excellence in health tourism.

www.med-ist.com

Our Vision

To lead in every sector we invest in, alongside our international partners.

Our Mission

To be the preferred choice for our customers through our exceptional products, solutions, and services, expanding our market presence globally.

Join us as a solution partner and let's
GROW TOGETHER...

implatechone

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