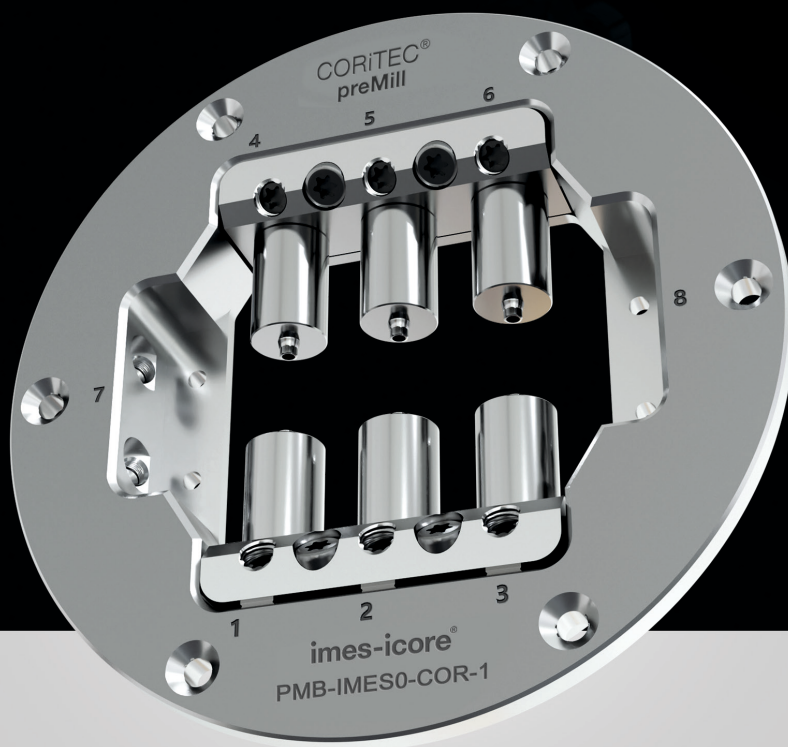


CORiTEC® preMill System



The Validated Workflow For Certified preMill Production



imes-icore®
Dental & Medical Solutions

The CORiTEC® preMill System

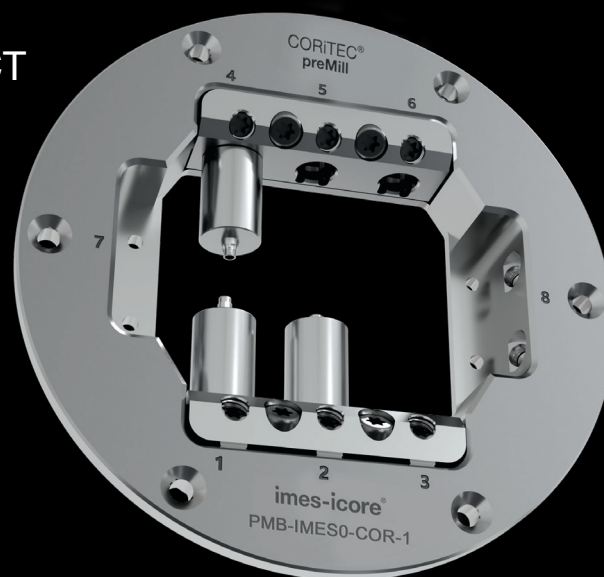


FOR ADDED VALUE AND GROWTH IN PRACTICES AND LABS

The CORiTEC® preMill system is supplied with compatible modules in a holder. The system enables dentists and laboratories to produce customized, one-piece, high-quality titanium abutments that are FDA/MDR compliant, with complete control of the schedule..

ADVANTAGES OF THE END PRODUCT

- Follows the natural morphology of the soft tissue
- Supports the gum and generates a root-shaped emergence profile
- Enables angulation to the orientation of the prosthetic crown
- Follows the anatomic shape of the crown giving perfect support and increasing bonding surface
- Allows a natural transition from implant to the prosthetic crown



FEATURES



SELF-CENTERING

Stable attachment feature for securing the blank to the holder in the accurate position

LASER MARKING WITH LOT AND PART NUMBER

For easy identification before and after in-house milling process, and for regulatory traceability

FULL COMPATIBILITY

The screw's precision section corresponds to the original connection

More design freedom toward implant shoulder enables maximum flexibility

Biocompatible
Titanium grade 5

EXTRAS

HIGH DEGREE OF DESIGN FREEDOM

Minimal gingival height and improved library geometry

PERFECT IMPLANT EMERGENCE PROFILE

No widening of the emergence profile needed above the implant diameter

SMOOTH TRANSITION ZONE

Significantly reduces manual reworking

AUTOMATIC RECOGNITION AND ALIGNMENT OF THE ABUTMENT BY THE CAM SOFTWARE



Facts

The components of CORiTEC preMill system from imes-icore includes patented designs for:

- CORiTEC preMill Abutment
- CORiTEC Prosthetic Screw
- Scan Body
- Printed Model Analog

All of these products comply with FDA and MDR requirements for medical devices. A truly open digital workflow allows the user to make all the right decisions to get the job done in the best possible way. Most dental workflows lock the user into a closed system that only allows them to choose from a specific group of compatible products. This makes the workflow complex and costly while limiting freedom of choice. Open systems with flexible solutions offer clear advantages. Working with open, digital workflow products gives the freedom to work with other major dental implant systems.

Advantages of CORiTEC® preMill System

- Complete and open for the major implant platforms
- Digital workflow solutions for all implant indications
- Made for in-house or outsourced production



The Components

CORiTEC preMill Library



The Library is an open digital implant library that contains all relevant components and CAD/CAM components for 3shape and exocad software. It simplifies and optimizes the design of the dental implant solutions to be manufactured.

Analog for Printed Models (PMA)



The Analog for Printed Models (PMA) are specifically designed for high accuracy in models made with 3D printers. With the model PMA, you can be assured that – due to the one-position feature – there is no risk of misplacement in the model. The construction can be torqued up to 40 Ncm on the model.

CORiTEC preMill Abutment



The CORiTEC preMill Abutment System offers dental laboratories and clinics the opportunity to produce customized abutment solutions in-house. The workflow within this system is FDA approved and delivers results of the utmost consistency and ease. Turnaround times are reduced, turnover is increased and all legal requirements are met.

Scan Body



The Scan Body is the key to enter the digital workflow. It is a high-precision tool designed to be placed in the patient's mouth during intraoral scanning or on a plaster model at the laboratory. It features a titanium seating for exceptional accuracy and fit, and a PEEK top that allows for reliable direct scanning without the need for any spray coatings. The Scan Body is compatible with major implant systems, comes with a universal screwdriver, and is suitable for multi-use. In the digital workflow, the scan body together with the digital library plays the leading role in obtaining consistently quality.

CORiTEC Prosthetic Screws

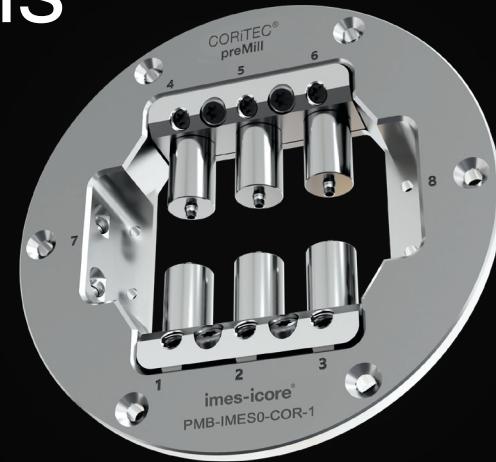


The prosthetic screws are made of a high-strength, biocompatible titanium alloy and have a precision fit that corresponds to the original interface of the implant connection. They are available for all major implant systems on the market and are offered in coated or uncoated versions, depending on the implant system. Highest biological safety is combined with the latest surface technologies. The tight fit of the screws reduces friction effects to a maximum.

The Perfect Symbiosis

ADVANTAGES OF THE COMPLETE SYSTEM:

CORiTEC preMill Abutment X CORiTEC preMill Holder



The self-centering feature ensures maximum stability between the blank and the holder, resulting in smoother surfaces and fewer remakes.



The set-screw system improves efficiency and prevents screws from loosening during use, giving you a more reliable and consistent process.



The one-tool concept using the same driver interface simplifies the assembly workflow to save you valuable time in the dental lab and reduce the risk of errors.



Each blank is laser-marked with a LOT and PART number for easy identification and regulatory traceability.



The minimal gingiva height and improved library geometry offer a high degree of design freedom.



Overall, the CORiTEC **preMill** System helps dental labs to produce high-quality customized titanium abutments with greater efficiency, reliability, and consistency. These benefits lead to predictable outcomes, improved customer satisfaction, reduced costs, and increased revenue for dental labs.

Regulations and Risk Minimizations Through Validation



In the US, the FDA classifies customer-specific milling as the manufacture of a Class II medical device. Labs milling custom implant abutments with CAD/CAM technology must either commission a validated milling center (VMS) with a listing of the facility and devices, and implement a Quality Management System or use products with a 510(k) pre-market clearance and registration with a validated digital workflow.

THE LIABILITY RISKS ARE GREAT AND CAN BE COSTLY IN THE EVENT OF NON-COMPLIANCE:

- Production stop of product lines for laboratories are possible
- Investments in subsequent equipment and approvals become a burden
- Profitability decreases



Your Solution

The use of the FDA-cleared CORiTEC preMill abutments inside imes-icore validated workflow is essential for laboratories to produce custom abutments on-site. It ensures compliance with legal regulations, assists in creating restorations that meet the highest standards of safety and effectiveness, and reduces the risk of liability issues for the laboratory.



Compatible CORiTEC® preMill Platforms for the Most Important Implant Systems

All CORiTEC preMill abutments are supplied with a matching abutment screw.

The range of CORiTEC preMill abutments is being continuously expanded with compatible platforms for implant systems.

Feel free to contact us if you need a different platform.

	Astra Tech EV Astra Tech TX XiVE
	ET
	Branemark System Nobel CC NobelReplace
	Bone Level BLX Standard
	Certain External Hex Connection Tapered Srew-Vent
...and more.	

Compatibility

49 Platforms for the Most Important Implant Systems

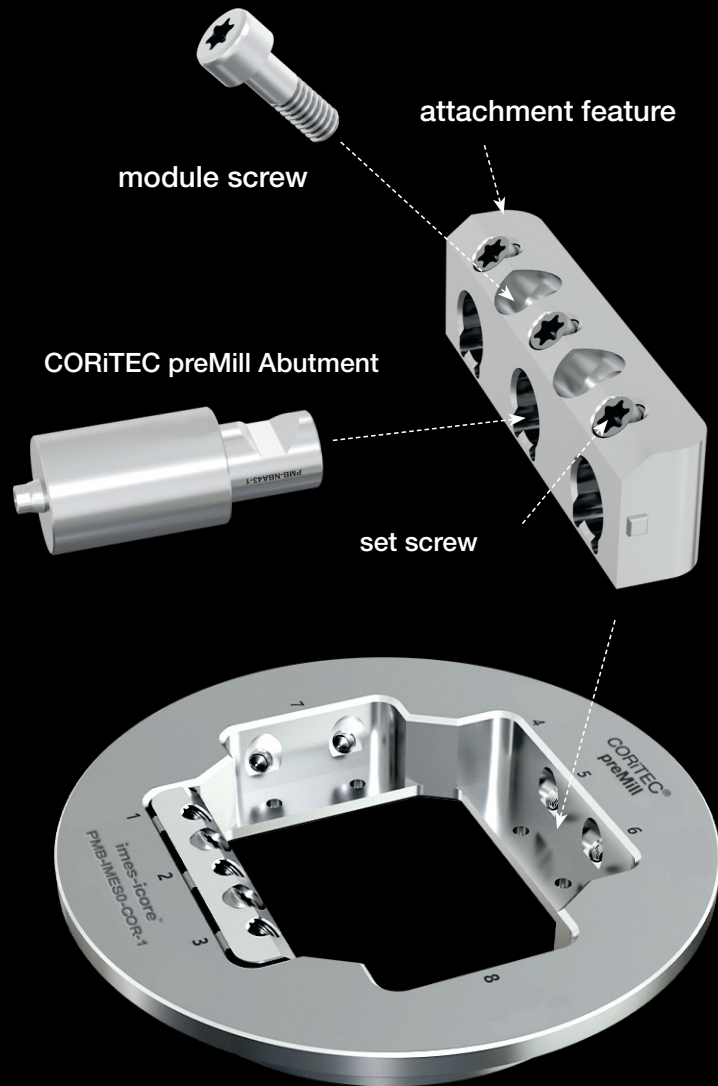
Article number		Article number	
AstraTech EV 3.0	CPMB-ATE30-1	AstraTech TX 3.5/4.0	CPMB-ATO35-1
AstraTech EV 3.6	CPMB-ATE36-1	AstraTech TX 4.5/5.0	CPMB-ATO45-1
AstraTech EV 4.2	CPMB-ATE42-1	Biomet 3i Certain 3.4	CPMB-BCE34-1
AstraTech EV 4.8	CPMB-ATE48-1	Biomet 3i Certain 4.1	CPMB-BCE41-1
AstraTech EV 5.4	CPMB-ATE54-1	Biomet 3i Certain 5.0	CPMB-BCE50-1

Article number		Article number	
Biomet 3i Certain 6.0	CPMB-BCE60-1	NobelReplace WP	CPMB-NBR50-1
Biomet 3i Ex Hex 3.4	CPMB-BEH34-1	NobelReplace 6.0	CPMB-NBR60-1
Biomet 3i Ex Hex 4.1	CPMB-BEH41-1	Straumann Bone Level NC	CPMB-SBO33-1
Biomet 3i Ex Hex 5.0	CPMB-BEH50-1	Straumann Bone Level RC	CPMB-SBO41-1
Biomet 3i Ex Hex 6.0	CPMB-BEH60-1	Straumann BLX	CPMB-SBX45-1
Brånemark NP	CPMB-BRA41-1	Straumann Standard RN	CPMB-SSY48-1
Brånemark RP	CPMB-BRA35-1	Straumann Standard WN	CPMB-SSY65-1
Brånemark WP	CPMB-BRA51-1	Zimmer Screw-vent 3.5	CPMB-ZSV35-1
Camlog 3.3	CPMB-CAS33-1	Zimmer Screw-vent 4.5	CPMB-ZSV45-1
Camlog 3.8	CPMB-CAS38-1	Zimmer Screw-vent 5.7	CPMB-ZSV57-1
Camlog 4.3	CPMB-CAS43-1	Xive D3.0	CPMB-DXI30-1
Camlog 5.0	CPMB-CAS50-1	Xive D3.4	CPMB-DXI34-1
Camlog 6.0	CPMB-CAS60-1	Xive D3.8	CPMB-DXI38-1
Hiossen ET Mini	CPMB-HET35-1	Xive D4.5	CPMB-DXI45-1
Hiossen ET Regular	CPMB-HET45-1	Xive D5.5	CPMB-DXI55-1
Neodent GM	CPMB-NGM45-1		
Nobel CC 3.0	CPMB-NBA30-1		
Nobel CC NP	CPMB-NBA35-1		
Nobel CC RP	CPMB-NBA43-1		
Nobel CC WP	CPMB-NBA60-1		
NobelReplace NP	CPMB-NBR35-1		
NobelReplace RP	CPMB-NBR43-1		

Registered trademark //
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For the markets
**USA, Europe,
Great Britain
and Switzerland**

CORiTEC® preMill System Components



The CORiTEC preMill system offers an innovative solution for the precise processing of abutments. The complete system comprises up to six CORiTEC preMill abutments and a 6-fold holder.

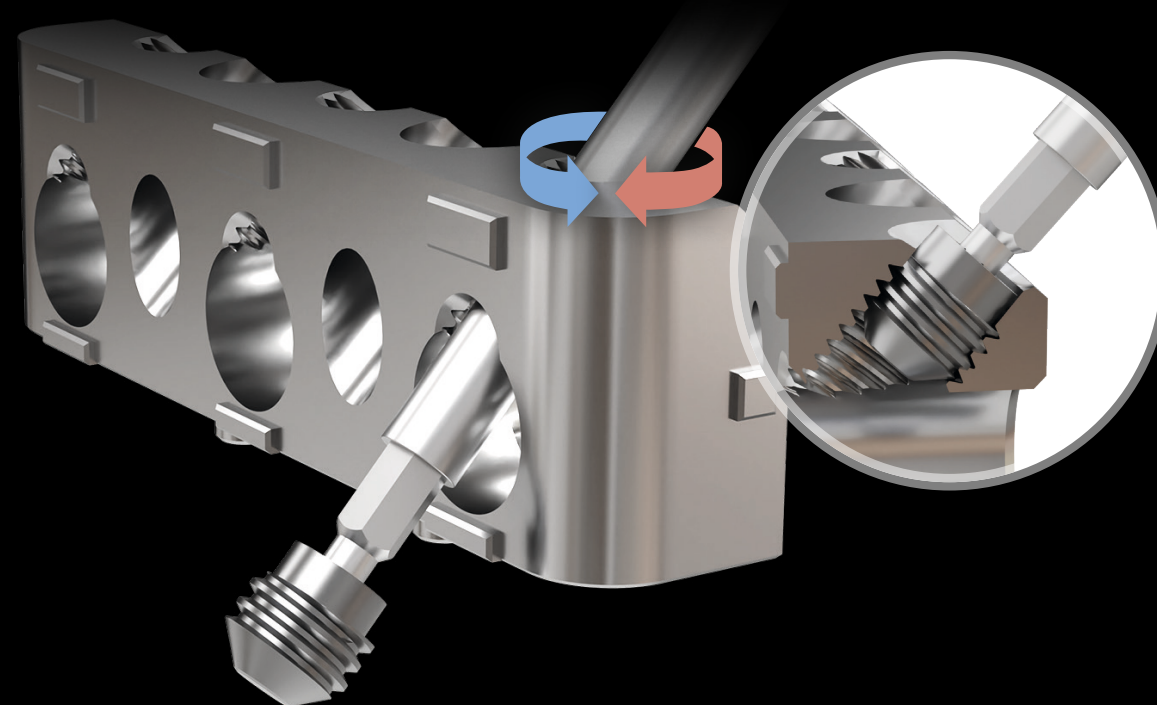
Thanks to the modular screws, fastening devices
The modular screws, fastening devices and set screws ensure precise and stable positioning of the abutments both in the holder and during processing in the milling machine. As a result, the system guarantees a high degree of flexibility and accuracy, making it an ideal solution for demanding dental applications.

Scan to see the clip
"Assembly instructions
CORiTEC preMill Systems"



HIGHEST STABILITY THROUGH SMALL DETAILS

The set screw has a very special function here: it is integrated into the module to prevent unintentional loosening during use. It therefore provides additional stability and ensures reliable fixation of the abutments, even during intensive use. This function contributes to consistently high precision and safety during processing.



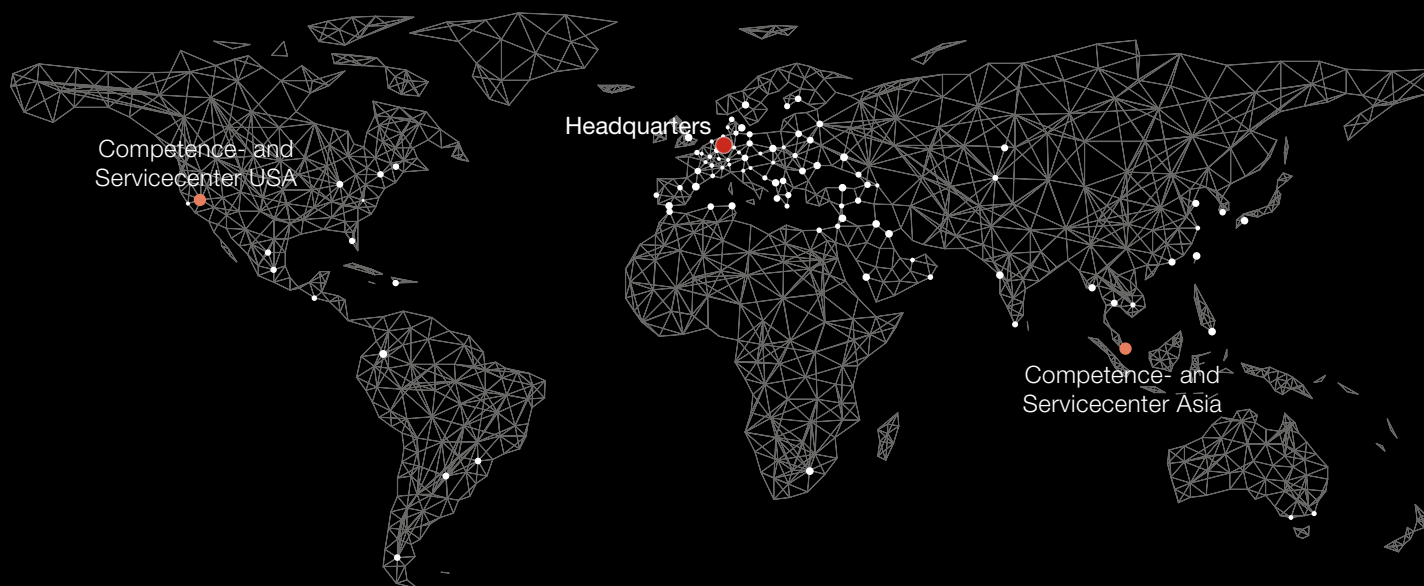
Scan to see the clip
"Tightening the set
screw"



Scan to see the clip
"Loosening the set
screw"

Global Support

SALES AND SUPPORT PARTNERS
IN OVER 100 COUNTRIES



Since 2002, imes-icore® has been a leader in CAD/CAM systems for the dental industry. With customized solutions for laboratories, milling centers and dental practices of all sizes, we offer high-performance milling and grinding systems. Our open system philosophy guarantees easy integration into existing workflows.



To the imes-icore
Webseite



Configure machine
directly

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