



AMANNGIRRBACH

Ceramill UP-TO-DATE

Release 3.6 | 2017

Update concerns the following
software packages:

- _ Ceramill Mind Database
- _ Ceramill Match 2 (CAM Software)

DEAR CERAMILL CUSTOMER,

To give you a better overview of our Ceramill CAD/CAM update topics in future and to let you know immediately what is NEW, we will be putting the relevant contents for each update together in the new Ceramill Up-to-Date flyer for you.

The familiar Ceramill CAD/CAM update newsletter will continue to be available to you, but will only be available with the download of the respective update. Compared with the Ceramill Up-To-Date flyer, the newsletter contains considerable technical information and describes the application of novelties in the individual software modules for targeted management.

The Ceramill CAD/CAM update newsletter will continue to be available to you for viewing on the new online service portal of Amann Girrbach, the C3 Ceramill Customer Center. If you are not yet registered, simply click [here](#) and subscribe.

You will receive the Ceramill CAD/CAM update automatically via the autoinstaller. If you have not yet installed this, you can also download the update (including autoinstaller) from the C3 Ceramill Customer Center. The autoinstaller will then be activated automatically on your PC for the next update.

WHAT ELSE IS NEW?

With this update our implant library is being extended with the Medentika CAD/CAM implant abutments, thus complementing the implant portfolio by a further 7 implant lines. Medentika for Ceramill products is available from Amann Girrbach.

Furthermore, the Ceramill Motion 2 DNA generation will be provided with the innovative "carving mode". This will allow you even faster and more efficient processing of blocks. Using the new control technology and a new innovative roughing tool, time savings of up to 40% are possible for the speed-milling of splints with the Ceramill Motion 2 in wet mode and the Ceramill Mikro 5X in dry mode. The development focus was placed on providing the best possible surface quality. In addition, the introduction of the multiple block holder for the Ceramill Mikro IC has increased the productivity of your "wet monster".

Our new Ceramill Zolid HT+ White, Zolid FX Preshades and VITA ENAMIC multiColor materials can now also be selected in the database and the Ceramill Match 2 to allow convenient processing.

Enjoy browsing through the novelties - there is a lot to discover!

ATTEND OUR CERAMILL UP-TO-DATE WEBINAR





ceramill® mind

Medentika for Ceramill

Download the implant library on the C3 Portal (page 14)



ceramill® mikro 5X

Speed-milling of splints

(page 7)



ceramill® mikro ic

Multiple holder

for grinding/milling of hybrid and ceramic blocks (page 6)



ceramill® motion 2

- _ Carving grinding mode now also available for Ceramill Motion 2 DNA generation (page 5)
- _ Speed-milling of splints (page 7)



ceramill® material

Integration of new materials into the database

- _ Ceramill Zolid HT+ White (page 9)
- _ Ceramill Zolid FX Preshade (page 11)
- _ VITA ENAMIC multiColor (page 13)

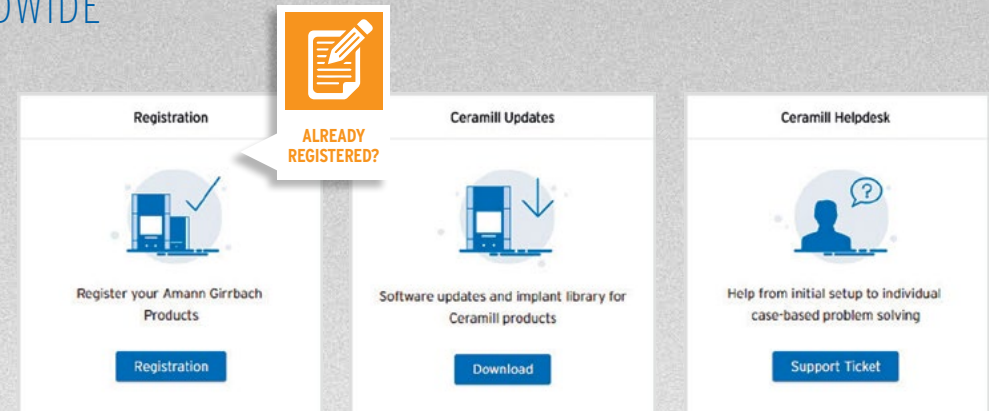
C3 - CERAMILL CUSTOMER CENTER. THE NEW SERVICE PORTAL FOR ALL AG CUSTOMERS WORLDWIDE

The Ceramill Customer Center is an online service portal exclusive to Amann Girrbach customers and facilitates permanent smooth operation of our products and systems in a straightforward, self-explanatory and clearly structured manner.

With your login, you have access to all relevant information, current software updates and comprehensive service functions of your Amann Girrbach products as well as many new added value functions for daily laboratory routines.

THE CORE FUNCTIONS AT THE START OF THE C3 PORTAL

- _ **Product registration/activation**
- _ **Software updates and version management**
- _ **Online & Helpdesk support**
- _ **Know-how database**
- _ **M-Center order processing (fabrication center)**



CERAMILL MOTION 2 DNA GENERATION UP TO 60% TIME SAVINGS WITH THE INNOVATIVE "CARVING MODE"

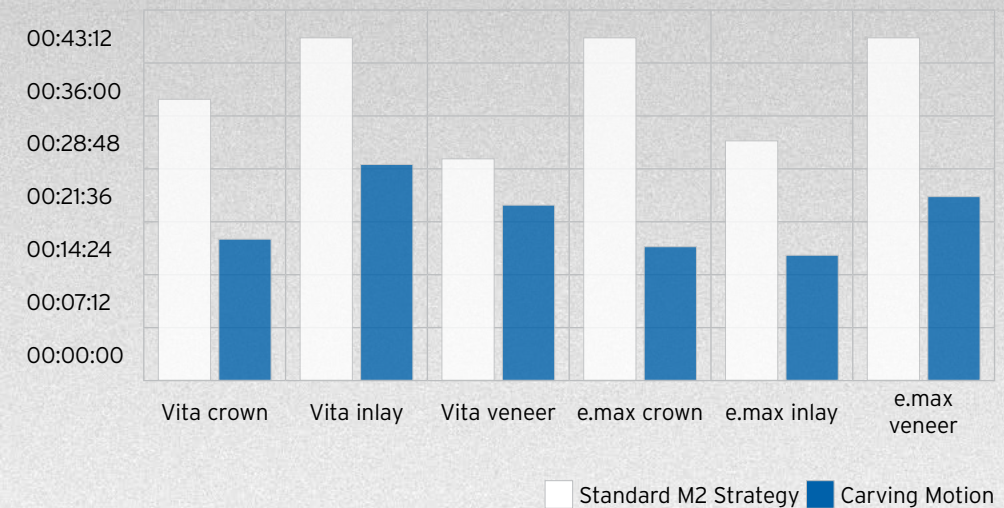
The launch of the Ceramill Mikro IC spread the innovative "carving mode" across the world. Feedback on the speed and quality was phenomenal!

With the current update it is now even possible to apply this innovation to the Ceramill Motion 2 DNA generation. This allows all conventional grinding block materials to be processed on all grinding holders - even crystallised materials (e.g. Celtra Duo).

THE HIGHLIGHTS

- _Time savings of up to 60% versus conventional grinding strategies**
- _Perfect for overnight production with 12-fold holder**
- _Can be used with all conventional block materials - free choice and flexibility**

COMPARISON OF STANDARD GRINDING VS. CARVING



Excess material is separated completely in the "carving mode"

CERAMILL MIKRO IC INCORPORATES TRIPLE HOLDER GENERATION FOR GREATER PRODUCTIVITY

In October, the Ceramill Mikro IC power pack surprised the market with its "Carving Mode" and the proven rotational milling of TI forms.

With this update we offer Mikro IC users the option of also fully using our new triple holder generation.

THE HIGHLIGHTS

- _ **High precision holders for processing 3 block blanks in a single grinding/milling run**
- _ **Increase in productivity - the number of manual operations when changing the blanks on the machine have been reduced**
- _ **The robust design of the holders guarantees top quality results, also for "Carving"**



ACCESSORIES

- _ 179615 triple grinder holder AG
- _ 179616 triple grinder holder UN
- _ 17961 triple milling holder AG



High-precision holders for processing 3 blocks in one grinding/milling process

CERAMILL MOTION 2 AND MIKRO 5X THE HIGH-SPEED OCCLUSAL SPLINT IN PROVEN QUALITY

The new update offers new milling strategies for splint processing for the Ceramill Motion 2 and the Mikro 5X. This allows you to increase your machine capacity with time savings of up to 40% per day. This is enabled by optimal machine control and the use of a specially developed high-speed roughing tool (Roto SC 2.5).

In addition, the development focus was placed on providing the best possible surface quality. The final product excels through outstanding surfaces by using proven and optimised finishing milling with the current tool.

The new milling strategy is performed on the Ceramill Motion 2 in wet mode and on the Mikro 5X in dry mode.

THE HIGHLIGHTS

- _ Up to 40% time savings for splints and other PMMA indications through newly developed high-speed roughing tool and optimal machine control**
- _ Increased daily machine capacity through faster processing of time-intensive indications**
- _ Can be used on all Motion 2 generations (wet mode) as well as Mikro 5X (dry mode)**



Processing splints





CERAMILL ZOLID HT+ MUCH MORE THAN JUST A WHITE DISC

Ceramill Zolid HT+ is much more than just a white disc - Zolid HT+ contains Amann Girrbach DNA. Developed by dental engineers and dental technicians and manufactured on state-of-the-art production equipment, Zolid HT+ offers processing and material properties which are adapted perfectly to dental applications.

Ceramill Zolid HT+ White is a highly translucent zirconium oxide which combines high mechanical characteristics with outstanding translucency. Even massive structures such as implant-supported bridges with a gingival component radiate the vitality of natural tooth substance.

With an optimised manufacturing process it was also possible to have a positive effect on the milling aspects of processing the blanks. In particular, this provides the option of even more delicate margin design, offering exceptional edge stability at the same time.

THE HIGHLIGHTS

- _Full indication spectrum through high flexural strength of 1,100 MPa
- _Top level aesthetics with natural look due to increased translucency
- _Optimised processing integrated harmoniously into the zirconium oxide workflow

M-CENTER AVAILABILITY

With the update, Ceramill Zolid HT+ White is fully integrated into the Ceramill Mind database as well as the Ceramill M-Center (milling center).



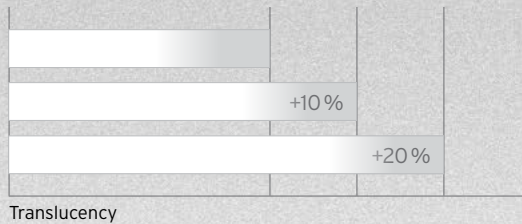
Ceramill Zolid HT+ White
Blanks available in 71 and 98 mm

MORE TRANSLUCENCY

ceramill® zolid

ceramill® zolid ht+

ceramill® zolid fx

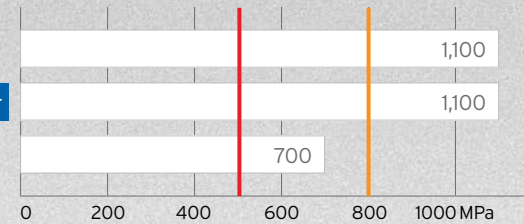


HIGHEST FLEXURAL STRENGTH

ceramill® zolid

ceramill® zolid ht+

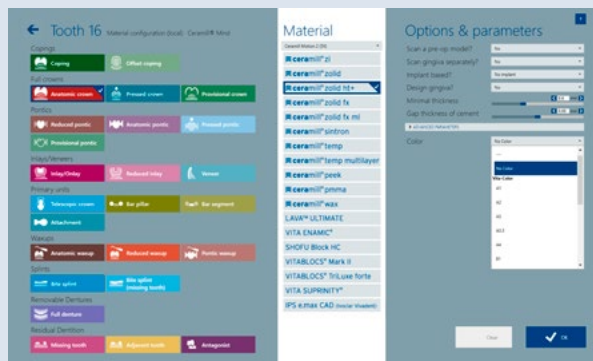
ceramill® zolid fx



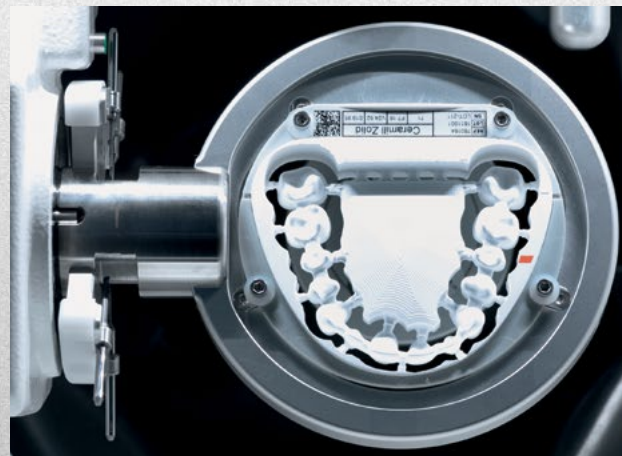
3-point flexural strength [MPa] DIN EN ISO 6872.

— Class 4: max. 3-pontic bridges

— Class 5: 4 to multi-pontic bridges



Material selection in the Ceramill Mind Database



Outstanding edge stability through optimised processing properties



Perfect for implant-supported large-span work

CERAMILL ZOLID FX PRESHADES

THE BEST CHOICE FOR CUTBACK RESTORATIONS

Ceramill Zolid FX Preshades are homogeneously industrial preshaded, ultra highly translucent blanks which allow economical and, above all, aesthetic results due to their colour fidelity and without additional staining prior to sintering. The blanks, which are available in six shade grades (A-D), can also be used for monolithic and anatomically reduced restorations in the anterior and posterior regions as well as for bridges (max. 3-pontic) in the molar region.

THE HIGHLIGHTS

- _ Ultra highly translucent zirconium oxide for maximum aesthetics and efficiency
- _ High flexural strength also allows fabrication of up to 3-pontic bridges in the molar region
- _ Colour and process safety through preshaded blanks allows simple and time-saving processing

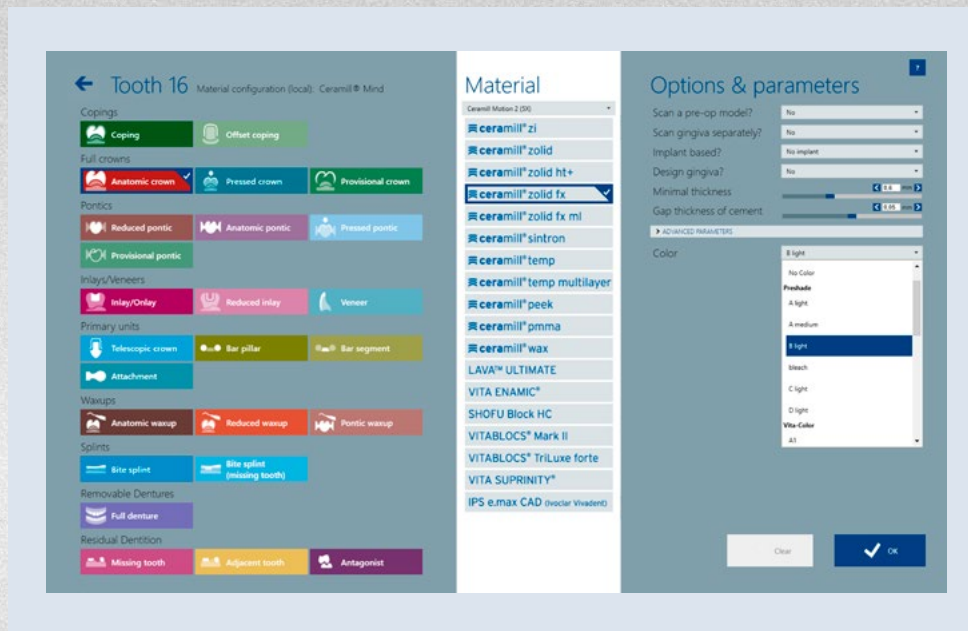
M-CENTER AVAILABILITY

With the update, Ceramill Zolid FX Preshades are fully integrated into the Ceramill Mind database as well as the Ceramill M-Center (milling center).



Ceramill Zolid FX Preshade
Blanks available in 71 and 98 mm

THE PERFECT BASIS FOR THE CERAMILL MINDFORMS CUTBACK LIBRARY BY KNUT MILLER

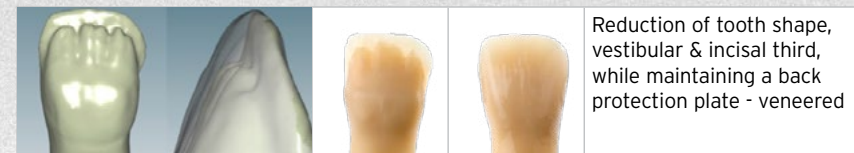


Material selection in the Ceramill Mind Database

Incisal cutback for highest aesthetic demands



Labial cutback for high aesthetic demands & stability



Labial cutback supported for high safety



Zolid FX Preshades combined with Ceramill Mindforms Cutback Library

Aesthetics

Stability

VITA ENAMIC® MULTICOLOR FOR CERAMILL HIGHLY AESTHETIC HYBRID CERAMIC

VITA ENAMIC multiColor combines the known advantages of VITA ENAMIC with a highly efficient fabrication workflow. As of immediate, the VITA ENAMIC multiColor blocks with an integrated truly natural shade gradient are available to users in six finely graduated layers from the neck to the incisal edge. Even without customising, the dual network structure of this material allows for highly aesthetic, monolithic single tooth restorations in the anterior and posterior tooth regions. Aesthetic rehabilitations can be performed faster and less complicated in the digital workflow, making them more interesting for a larger group of patients.

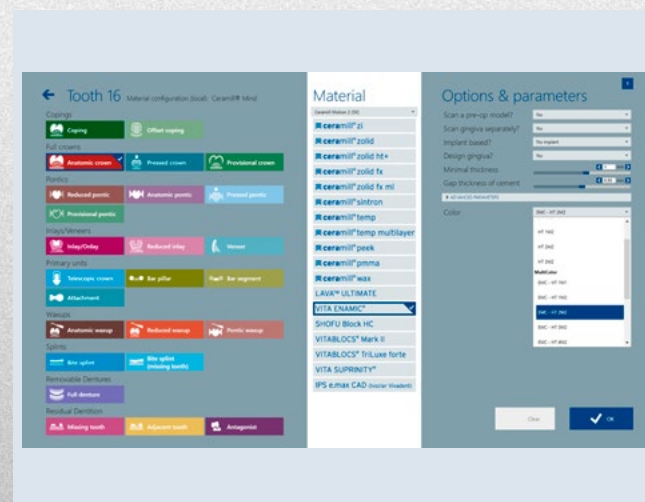
By visualising the shade gradient in the Ceramill Match, the restorations are extremely easy to position according to their shade gradient. This makes application considerably easier and creates results you can be proud of.

THE HIGHLIGHTS

- _Natural colour shade effects due to integrated shade gradient in the blank**
- _Fast processing as the restoration can be integrated immediately after polishing**
- _Enormous load capacity as chewing forces are absorbed**

M-CENTER AVAILABILITY

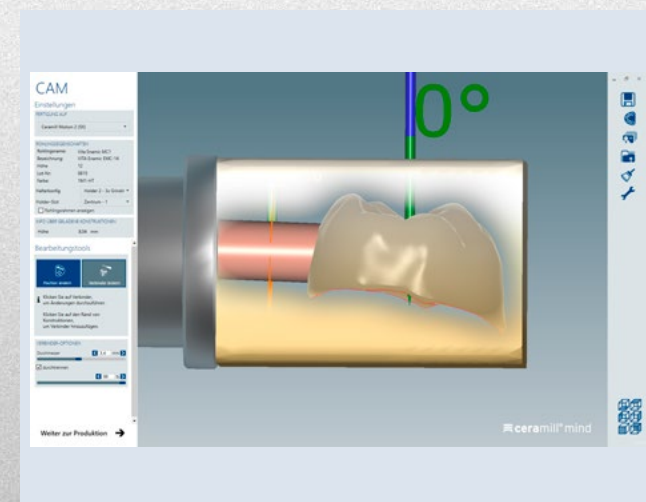
The VITA ENAMIC multiColor blocks are fully integrated into the Ceramill Mind database as well as the Ceramill M-Center (milling center) with the update.



Material selection in the Ceramill Mind Database



VITA ENAMIC® multiColor Block



Visualisation of the shade gradient in the Ceramill Match software

MEDENTIKA FOR CERAMILL CAD/CAM PORTFOLIO EXTENSION - INNOVATIVE SOLUTIONS FOR A MULTITUDE OF IMPLANT RESTORATIONS WITH CERAMILL CAD/CAM

The system components of our Ceramill implant prosthetic portfolio offer you an extremely broad product spectrum for fabricating implant-supported dentures. Perfectly matched, we have adapted our offer customised to your needs or options. In line with the holistic approach at Amann Girrbach, all Amann Girrbach implant prosthetic components have been integrated seamlessly into the Ceramill CAD/CAM system architecture. You benefit from high process safety, maximum precision and efficient everyday laboratory routines. To provide maximum diversity, we extend our portfolio regularly with new implant lines.

The Medentika CAD/CAM implant prosthetic components have been integrated into the Ceramill system to add to the existing implant prosthetic portfolio of Amann Girrbach. With the Medentika components (multi platform solution for Ceramill CAD/CAM), we offer innovative solutions for a multitude of implant restorations.

THE HIGHLIGHTS

- _Excellent precision in combination with an excellent price-performance ratio**
- _Innovative and individual implant prosthetic solutions - our diversity is expanded continuously**
- _Design and results perfectly matched to the Ceramill system**
- _Perfect and fully integrated solutions for the Ceramill system**
- _All from a single source and available directly from Amann Girrbach**



Multi Platform Solution









All from a single source and available directly from Amann Girrbach



AMANNGIRRBACH

 **MEDENTIKA®**
A Straumann Group Brand

MEDENTIKA PRODUCTS FOR CERAMILL CAD/CAM

	TI-Forms abutment for Ceramill 2nd generation	Ceramill TI-Forms are titanium abutment blanks with industrially pre-fabricated connection geometries, from which individual, one-piece titanium abutments can be fabricated in-house. The TI-Forms available for a broad range of common implant systems offer outstanding surface quality due to the "rotational milling" technique and are distinguished by high biocompatibility due to the proven Ti6Al4V material (medical grade 5, ASTM 136). High precision TI-Forms abutments as milling blanks.
	Titanium bases zirconia abutment 2nd generation	Titanium bases of the 2nd generation - original diversity for excellent prosthetics _ Two different chimney heights (3.5 mm, 5.5 mm) for optimal static support of the zirconia construction _ For conical implant connections: two gingival heights for the perfect design of the emergence profile _ Diameter-reduced platform with considerably greater design freedom for the zirconia construction
	Titanium bases zirconia abutment 2nd generation	
	Titanium bases bridges/bars 2nd generation (rotating)	The titanium bases, rotating, are available at a chimney height of 3.5 mm. They are suited for fabricating multi-pontic bridges and bars.
	Scanbodies 2nd generation	The scanbodies are suited for the intraoral as well as conventional scanner use. All scanbodies are made of titanium and thus offer considerably higher precision and durability. The surface of the scanbodies is coated with a special coating for perfect imaging, can be sterilised and marked for better differentiation. For use with the following products: titanium bases 2nd generation, TI-Forms abutments for Ceramill 2nd generation.
	MedentiBASE® abutment (straight)	With the MedentiBASE® abutment you have the option of preparing a host of different multi-pontic CAD/CAM fabricated bar and bridge constructions in the maxilla and mandible. MedentiBASE® abutments are available in 5 different gingival heights. For use with the MedentiBase scanbodies and products.
	MedentiBASE® bonding caps	The MedentiBASE® bonding caps are available at heights of 3.0 mm (short) and 4.0 mm (long). They can be used for multi-pontic, screw-retained bar and bridge constructions for passive-fit made of metallic materials.
	MedentiBASE® titanium base	The MedentiBASE® titanium base is available at a chimney height of 3.5 mm. It is suitable for bonding multi-pontic bridges and bars, in particular ceramic materials and plastic materials.

* If MedentiBase products are not approved on your market, you can use Ceramill TI-Connect SR components as an alternative.

MEDENTIKA PRODUCTS FOR CERAMILL CAD/CAM ARE AVAILABLE FOR THE FOLLOWING IMPLANT SYSTEMS

Altatec®/Camlog®
Altatec®/Conelog®
BEGO Implant Systems®/Semados® S/RI/RS/RSX
BIOMET 3i®/Certain®
BIOMET 3i®/External Hex
Bredent Medical®/SKY®
DENTSPLY Implants®/ASTRA TECH OsseoSpeed® EV
DENTSPLY Implants®/ASTRA TECH OsseoSpeed® TX
DENTSPLY Implants®/XIVE® S
DENTSPLY Implants®/ANKYLOS®
Medentis Medical®/ICX®
Nobel Biocare®/Brånemark®
Nobel Biocare®/NobelActive® - NobelReplace® Conical
Nobel Biocare®/NobelReplace® Tapered
Straumann®/Bone Level®
Straumann®/Tissue Level®
Zimmer Dental®/Tapered Screw-Vent®

M-CENTER AVAILABILITY

The blank, TI-Forms® abutment for Ceramill by Medentika, is also processed in our Ceramill M-Center milling center.

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