

DIGITAL
LAB EQUIPMENT

 **ceramill®**

THE INHOUSE MOVEMENT®



CERAMILL PUTS THE CREATIVE WORK BACK INTO YOUR LABORATORY.
CAD/CAM PRODUCTION IN YOUR LABORATORY HAS NEVER BEEN SO EASY AND PROFITABLE.

BENEFITS

- _ Redeems expenditure in record time thanks to the massive savings achieved per unit**
- _ Full value creation inhouse in the laboratory**
- _ Seamless working processes with perfectly coordinated system components**
- _ System concept for hardware and software components safeguarded in the future**
- _ Open for external data (STL) from third-party systems (scanner, intraoral etc.)**

FUNCTIONAL PRECISION CHAIN.

PRECISION MODEL

PRECISION



artex®cr

Model management articulator and masticatory loading simulator for the dental practice and laboratory

- _Provides all functions for analysing the free spaces and excursion patterns
- _Variable sideshift function for transversal clearance, adjustable



giroform®

Fabricate a precision model quickly and cost-effectively

- _Overcomes expansion of dental stone due to segmentation of the dental arch
- _Fabrication of a dental arch in only six minutes (working time)
- _Fault-free basis for digitalisation



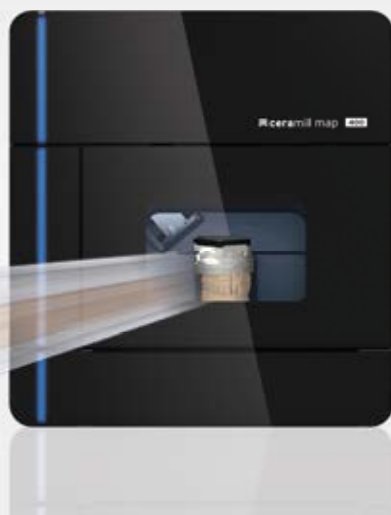
ceramill® transferkit

Loss-free transfer of patient data into the Ceramill Map400

- _Digitisation of the model situation in Splitex precision
- _Reliable, quick and uncomplicated handling

TRANSFER

DESIGN (CAD)
VIRTUAL OCCLUSION



ceramill® map400

**The “function scanner”
with Splitex-Integration**

- _ Highly precise digitalisation of models in intermaxillary relationship
- _ DNA speed scanning reduces scan times by up to 50 %
- _ Versatilely applicable (e.g. Triple Tray, models, Multi Die, All-In, textures)
- _ Universal plate enables flexible positioning of all types of model



Creates open STL data



ceramill® mind

The intelligent design software

- _ High saving in time thanks to intuitive workflow according to dental technology logic
- _ Perfectly coordinated with scan and CAM processes to guarantee a continuous workflow
- _ Virtual Artex CR with an unlimited range of functions



Reads STL data (open), sends STL data (open)

- Compatible with:
- _ iTero® intraoral scan data
 - _ All other, unencrypted STL data



ceramill® match 2

CAM software - easy, quick, precise

- _ Easy positioning and alignment of designs in the blank
- _ Quick calculation of the milling paths
- _ Sinter cushion in a thermodynamically optimum design shape for accurately fitting sintering of long-span zirconia restorations



Reads STL data (open), sends STL data (open)

- Compatible with:
- _ Dental Wings®, 3Shape®
 - _ All other, unencrypted STL data

PRODUCTION (CAM)



ceramill® mikro

4- or 5-axis milling unit for dry millable materials

- _Maximum range of indications in the 4/5-axis dry milling/grinding category
- _Fast and efficient thanks to control and milling strategies optimised for dental applications
- _Monocoque design guarantees absolute stability and low-vibration processing



Processes and produces STL data (open)



ceramill® mikro ic

4-axis wet processing with speed function

- _Carving mode grinding technique - for up to 60 % saving in time when processing glass/hybrid ceramic
- _Intelligent machine concept with high-performance, super-high-frequency spindle for maximum speed with the highest precision
- _Special holder concept for easy handling and highest degree of accuracy when processing hard materials



ceramill® motion 2

5-axis wet and dry processing - versatile and future-proof

- _Maximum range of materials and indications
- _Innovative processing procedures ensure maximum ROI (rotational milling of titanium, carving mode grinding technique etc.)
- _Intelligent machine concept with high-performance, super-high-frequency spindle for maximum speed with the highest precision
- _Intelligent machine design guarantees optimum protection of all electronic components in wet operation













Processes and produces STL data (open)













MATERIAL OVERVIEW

Material	The most important features at a glance	The most important indications	
Ceramill Sintron CoCr sinter metal 	<ul style="list-style-type: none"> _ Can be dry milled due to wax-like texture _ Can be veneered with any standard non-precious bonding porcelain _ Homogeneous, distortion-free frame-works without contraction cavities 	<ul style="list-style-type: none"> _ Single crowns _ Bridges _ Telescope crowns _ Custom abutments on titanium bases _ Multi-unit, screw-retained restorations on titanium bases 	
Ceramill Zolid FX Ceramill Zolid Ceramill ZI Zirconia 	<ul style="list-style-type: none"> _ Wide range of indication and customisation options for maximum aesthetics _ Shade stability thanks to coordinated shade concept according to the VITA shade guide _ Different levels of translucency for anterior and posterior aesthetics 	<ul style="list-style-type: none"> _ Veneers to multi-unit bridges can be fabricated depending on optical and mechanical properties of the respective zirconia 	
Ceramill TI-Forms Titanium abutment blanks, Ti6Al4V 	<ul style="list-style-type: none"> _ Titanium abutment blanks with industrially prefabricated implant connection geometries _ High biocompatibility (proven Ti6Al4V) _ Outstanding surface quality due to the rotational milling technique 	<ul style="list-style-type: none"> _ Customised, one-piece titanium abutments 	
Ceramill Wax Milling wax 	<ul style="list-style-type: none"> _ Easily milled without smearing _ Available in 2 shades (white, grey) _ Burns out without residue 	<ul style="list-style-type: none"> _ For casting and overpress techniques 	
Ceramill D-Wax Milling wax, full dentures 	<ul style="list-style-type: none"> _ Easily millable under water cooling _ Class 1 medical product for intraoral try-in _ Conventional setting up wax in blank form _ Conversion is possible in the usual way after try in 	<ul style="list-style-type: none"> _ Full-denture bases 	

INHOUSE MATERIAL RANGE

Material	The most important features at a glance	The most important indications	
Ceramill D-Set Pala Mix&Match DS, Heraeus Kulzer* 	<ul style="list-style-type: none"> _ High-quality denture teeth _ Denture tooth blanks specially developed for Ceramill CAD/CAM _ High shade, shape and functional fidelity 	<ul style="list-style-type: none"> _ Full/full dentures 	
Ceramill PMMA Acrylic, PMMA 	<ul style="list-style-type: none"> _ High dimensional stability _ Easily milled with optimum surface quality _ Burns out without residue 	<ul style="list-style-type: none"> _ For checking fit and function at the intraoral try-in _ For casting, press and overpress techniques 	
Ceramill TEMP Ceramill TEMP Multilayer Acrylic, PMMA 	<ul style="list-style-type: none"> _ Luting: can be luted using all commercially available temporary luting materials _ Easy, quick high-lustre polish _ Available in different base shades (Ceramill TEMP) _ Natural shade gradient in the most commonly used A-D shades (Ceramill TEMP Multilayer) 	<ul style="list-style-type: none"> _ Suitable for long-term temporary restorations _ Temporary crowns and bridges _ Temporary, customised abutments on titanium bases _ Temporary, customised gingiva extender _ Temporary, screw-retained restorations on titanium bases 	
Ceramill Splintec Ceramill Splintec Standard Splints-acrylic, PMMA 	<ul style="list-style-type: none"> _ Industrial manufacture guarantees optimum intraoral comfort and neutral taste _ High surface quality reduces discoloration and plaque accumulation _ Good polishability 	<ul style="list-style-type: none"> _ Therapeutic splints _ Positioning splints _ Stabilizing splints _ Occlusal splints 	
Ceramill PEEK Acrylic, polyetheretherketone 	<ul style="list-style-type: none"> _ High-performance polymer for fixed and removable restorations _ Bone-like modulus of elasticity for high strength with simultaneous flexibility _ Metal-free and biocompatible 	<ul style="list-style-type: none"> _ Crowns and bridges _ Secondary and telescope restorations _ Attachment restorations _ Screw-retained, implant-supported superstructures 	

* can be ordered directly from Heraeus Kulzer


Material	The most important features at a glance	The most important indications	
Ceramill M-Plast Acrylic, polyurethane 	<ul style="list-style-type: none"> _ High dimensional stability, without water absorption _ Outstanding edge stability and millability _ Very low instrument wear 	<ul style="list-style-type: none"> _ Model resin for fabricating precision models using CAD/CAM technology 	
VITA SUPRINITY® PC Lithium silicate ceramic, zirconium-oxide reinforced 	<ul style="list-style-type: none"> _ Fine-grained, homogeneous micro-structure _ Easy polishing and grinding properties _ High translucency and fluorescence 	<ul style="list-style-type: none"> _ Crowns _ Crowns on implants _ Inlays / onlays _ Veneers 	
VITA ENAMIC® Hybrid ceramic 	<ul style="list-style-type: none"> _ Maximum reliability and integrate crack-stop function _ Precise, crisply detailed restorations due to excellent edge stability _ Quick, economical processing 	<ul style="list-style-type: none"> _ Crowns _ Crowns on implants _ Inlays / onlays _ Veneers 	
VITABLOCS® Mark II / TriLux forte Glass-ceramic 	<ul style="list-style-type: none"> _ No crystallisation firing required _ Optimum light transmission and white fluorescence _ Available in monochrome and four-layer staining 	<ul style="list-style-type: none"> _ Crowns _ Inlays / onlays _ Veneers 	

MANUFACTURING CENTRE MATERIAL RANGE

Ceramill M-Center materials	The most important features at a glance	The most important indications	
Ceramill NP M CoCr - milled 	<ul style="list-style-type: none"> _ High strength, rigidity _ High corrosion resistance _ Veneering with conventional bonding porcelain 	<ul style="list-style-type: none"> _ Crowns and bridges _ Telescope and conical crowns _ Custom abutments on titanium bases _ Screw-retained restorations on titanium bases 	
Ceramill TI alloy TiAl6Nb7-Titanium alloy 	<ul style="list-style-type: none"> _ High strength, rigidity and biocompatibility _ Homogenous structure _ Can be veneered with all conventional porcelains for titanium bonding alloys 	<ul style="list-style-type: none"> _ Crowns and bridges _ Telescope and conical crowns _ Custom abutments on titanium bases _ Screw-retained restorations on titanium bases 	
Ceramill TI Pure titanium 	<ul style="list-style-type: none"> _ High biocompatibility _ Homogenous structure _ Can be veneered with all conventional porcelains for titanium bonding alloys 	<ul style="list-style-type: none"> _ Crowns and bridges _ Telescope and conical crowns _ Individual abutments on titanium bases _ Screw-retained restorations on titanium bases 	
Ceramill COMP Composite 	<ul style="list-style-type: none"> _ Can be fitted as a permanent restoration _ Enamel-like abrasion behaviour _ Can be veneered using conventional, light-curing crown and bridge resins 	<ul style="list-style-type: none"> _ Crowns and bridges _ Inlays / onlays _ Veneers _ Long-term temporary restorations 	
Dreve Model resin 	<ul style="list-style-type: none"> _ High hardness and fracture resistance _ Produced generatively _ Highest precision and detail definition 	<ul style="list-style-type: none"> _ Dental models for prosthetic restorations _ Dental models for orthodontic appliances _ Diagnostic and demonstration models 	



PRECISION MODEL

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 giroform®	15

MODEL MANAGEMENT ARTICULATOR AND UNIVERSAL DIAGNOSIS AND THERAPY UNIT IN ARCON DESIGN

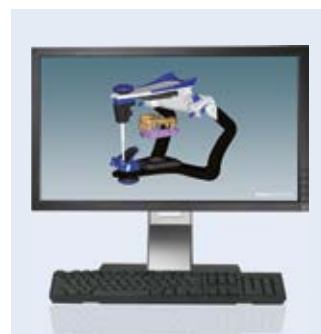
Produced by the dental technician in an articulator, a dental prosthesis must function without a problem for the patient. An articulator is a great way to emulate the patient's movements, saving the dentist chair-side time and the patient quite a bit of pain.

The reproducible centric relation ensures safe starting and end positions of every jaw movement. The Artex articulator can discover, check and remove any defects smaller than 20 µm.

Lightweight, stable, ergonomic and very precise - the Artex articulator facilitates and accelerates work on the model. It is practice-oriented, reliable and competitively priced. For these reasons, the Artex brand enjoys such a good reputation and its articulators are among the most popular world-wide. The Artex product range employs a modular design and is focused on features that are really necessary.



- _Provides comprehensive adjustment possibilities to reproduce the patient's clearance and movement dynamics**
- _Protrusion, retrusion and side-shift function infinitely adjustable**
- _Distraction permitting release of compressed mandibular joints from 0 to 3 mm**
- _Artex-Carbon - lightweight and robust, providing perfect handling**
- _Adjustable inclination of the condyle track inclination from -20° to +60°**
- _Bennett angle adjustable from -5° to +30°**



Ceramill Artex - the virtual Artex CR with an unlimited range of functions

PERFECT OPERATION, HIGHLY PRECISE AND ECONOMICAL

The pin drill allows precise, fast and safe determination of the desired drill position.

Drilling starts at the press of a button. The plate holder is fastened magnetically, securing the drill position.

In order to guarantee pin friction, identical, smooth-faced and regular holes are drilled into the Giroform base plate. The precise drill guide also enables uniform drilling depth. These specific characteristics of the Giroform pin drill guarantee precise, fast and cost-effective model manufacture.



- _Laser beam for easy drill positioning**
- _Plate holder smoothly adjustable thus ensuring safe and fast operation**
- _Plate holder is secured magnetically and automatically when drilling starts**
- _Automatic drill advance guarantees identical boreholes (0.5 seconds per hole)**
- _Ergonomically positioned tip-on buttons for a high degree of operating convenience and easy activation of drilling**
- _Guide grooves ensure easy drill change**
- _Universal plate holder for Giroform baseplates in all sizes and shapes with anti-rotation protection**



Strong, practical and aesthetic - stainless steel housing



Laser beam for easy drill positioning

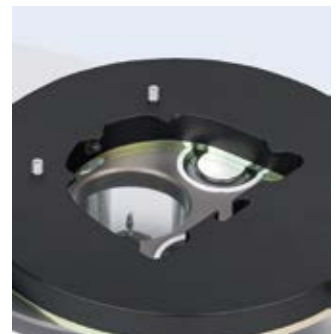


Plate holder is secured magnetically and automatically when drilling starts



SCAN

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≡ ceramill® map200	20

1:1 TRANSFER OF PATIENT DATA INTO THE CERAMILL MAP400

1:1 transfer of the model situation from the "real articulator" into the scanner is absolutely essential to utilise the functionality of the virtual articulator. The Ceramill system enables correct transfer using the Ceramill Transferkit - a combination of transfer stand (Ceramill Fixator) and model holder on a Splitex base, which is used for holding the scan model in the scanner. The Ceramill Fixator enables transfer of the model in the scanner while retaining the axis relation of the "real articulator".



- _ Transferring the articulated situation in Ceramill Fixator without loss of precision**
- _ Maximum precision due to patient analogous working**
- _ Scanning in Splitex precision with exact patient data**



Articulated models in the Ceramill Fixator and Artex CR. The models were synchronised using the Splitex key



Ceramill Fixator with articulated model in the Ceramill Map400 (Symbol illustration of the Ceramill Fixator)



Ceramill Map400 with model in the Ceramill Fixator - for lossless transfer of the model situation

THE "FUNCTIONAL SCANNER" WITH SPLITEX-INTEGRATION

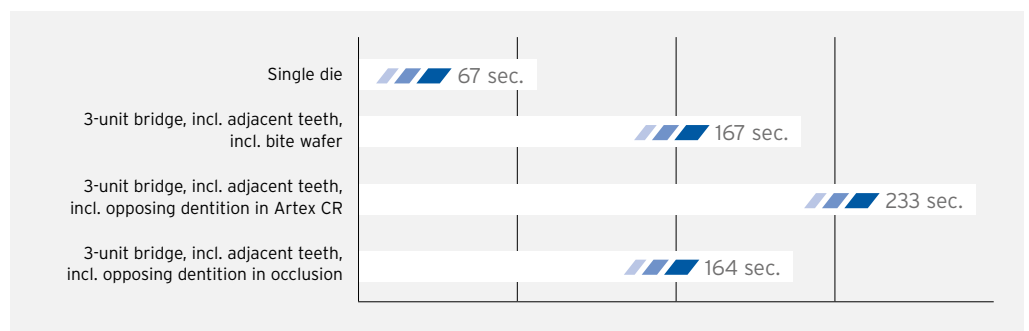
High-resolution scan data, quickly and precisely - provided by the fully automatic Ceramill Map400 stripe-light scanner thanks to highly sensitive 3D sensors and a sophisticated, newly developed DNA speed scanning strategy. A full arch scan with unlimited usable results is possible in only 24 seconds using speed scanning. Furthermore, the scanner with Splitex-integration offers invaluable scanning options, like the digitalisation of triple tray impressions and textures, the capturing of up to 12 stumps (Multi Die), as well as quadrant models including single stumps in only one scan (All-In).

The Ceramill Map400 has an open interface, so that scans (STL files) can also be loaded in other CAD programmes.



- _ Full arch scan with unlimited usable results in only 24 seconds thanks to DNS Speed Scanning
- _ Highly precise digitalisation of model in intermaxillary relationship
- _ Versatilely applicable (e.g. Triple Tray, models, Multi Die, All-In, textures)
- _ Universal carrier plate enables flexible scanning of different model systems
- _ Individually adaptable scanning order

More about Ceramill Map scanners at
www.amannbirnbach.com/downloads



Scan process duration using Ceramill Map400 (incl. matching)

ENTRY-LEVEL SCANNER COMPACT, PRECISE, QUICK

Ceramill Map200 is a fully automatic 2-axis stripe-light scanner, ideal for entry into CAD/CAM technology due to its uncomplicated handling with simultaneous high precision. It is also suitable for all users who want to produce cost-effective, precise scan data. Equipped with newly developed DNA speed scanning strategies and high-resolution 3D sensors it shares the same standards of precision and speed with the bigger version Ceramill Map400. In combination with the automatic user guidance Ceramill Map200 brings together convenience and precision on a compact footprint of 390x360x310 mm.


Ceramill Map200 has an open interface, so that scans (STL files) can also be loaded in other CAD programmes.



- _ Maximum precision with a minimum footprint
- _ Speedy, compact and cost-effective entry into CAD/CAM technology
- _ DNA speed scanning reduces scan times by up to 50%
- _ Open interface and automatic user guidance
- _ Open for all models (incl. quadrants)

More about Ceramill Map scanners at
www.amannjirrbach.com/downloads

DESIGN / CAD

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THE INTELLIGENT DESIGN SOFTWARE - DEVELOPED ACCORDING TO DENTAL TECHNOLOGY LOGIC



The Ceramill Mind design software, developed by Amann Girrbach in close collaboration with dental technicians, meets all requirements. Perfectly coordinated to the Ceramill Map scanner Ceramill Mind has been seamlessly integrated in the system architecture of the Ceramill system and is characterised by easy handling, process reliability and precision. The user guidance of the CAD programme, orientated to the standard laboratory workflow, greatly simplifies the framework fabrication process and covers an extensive range of indications from crown and bridge to complex implant restorations or full-denture prosthetics. Features and areas of application are progressively refined, allowing the Ceramill Mind to be upgraded by a large number of software modules.

CERAMILL MIND BASE PACKAGE

INDICATIONS



Ceramill Mind
Anatomically reduced crowns and bridges,
fully anatomical crowns and bridges



Ceramill Mind
Inlays, onlays, veneers



Ceramill Mind
Telescope crowns, attachments

LIBRARY TEETH



Ceramill Mindforms by AG

Other libraries:

- _AG Generic
- _VITA Physiodens
- _Prittidenta

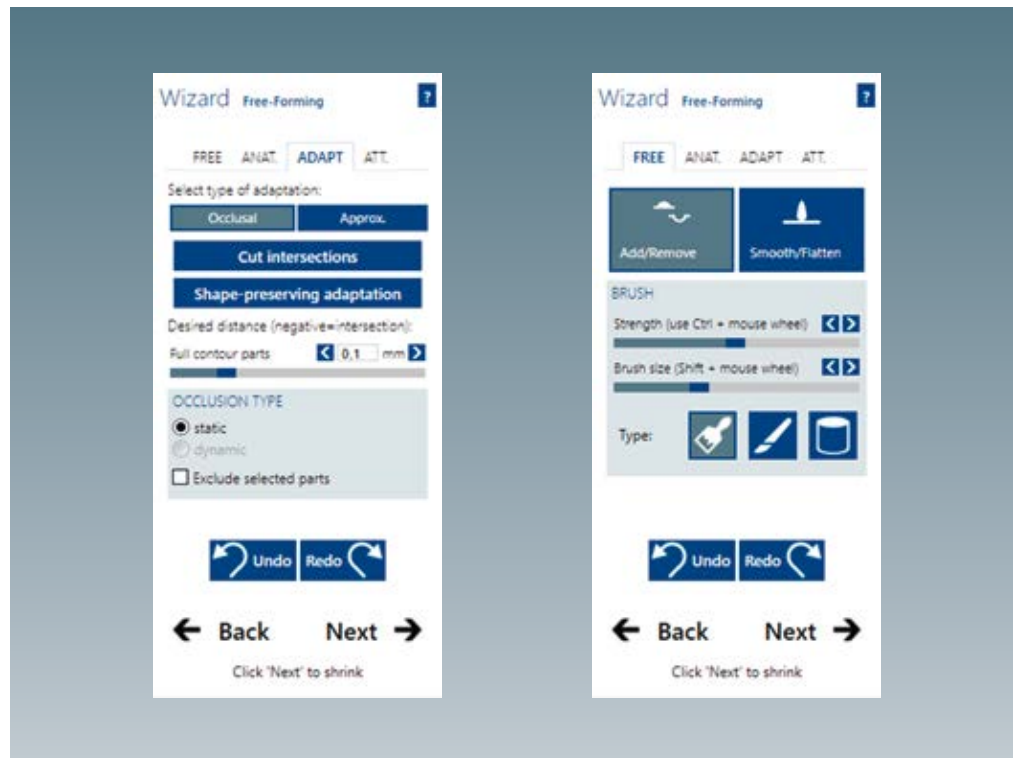
CERAMILL WIZARD



Automatic user guidance through the design process

CERAMILL WIZARD - DESIGN EASILY, RELIABLE AND EFFICIENTLY.

Ceramill Mind Wizard was developed to orientate the Ceramill Mind user guidance as closely as possible to the dental technology workflow. As a floating window the Wizard not only guides the user accurately and efficiently through the entire design process but also shows the tools available to optimise the design outcome.



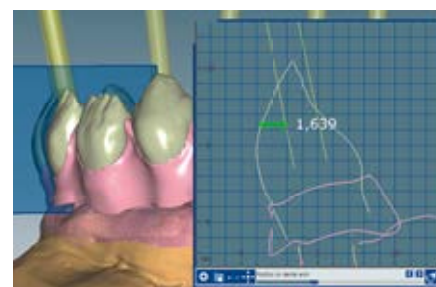
CERAMILL WIZARD FUNCTIONS



Grid and ruler for better orientation



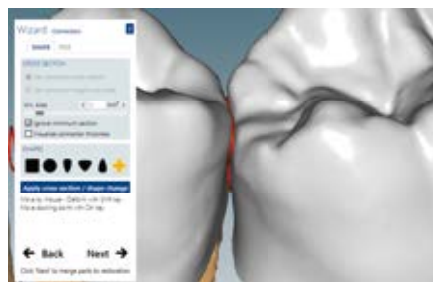
Cutting back selected areas for customised porcelain veneering



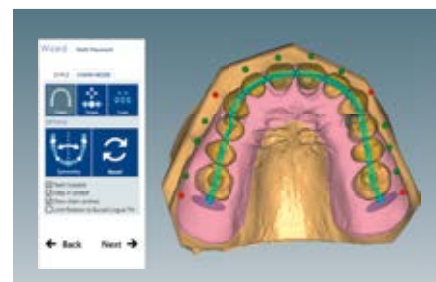
Fading in section plane with measuring instrument for better control of material thicknesses



Copy or mirror teeth to produce a uniform tooth shape/structure in a jaw



Connect contact surfaces with each other for more aesthetic interdental spaces



Move teeth as if splinted for quicker, easier positioning of the teeth

Ceramill Mind is available in the following languages:



CERAMILL MIND UPGRADE MODULES (FOR AN ADDITIONAL CHARGE)

Crowns and bridges ▶

ceramill® artex

The virtual articulator - the functional interface between manual and digital technology.



Crowns and bridges ▶

ceramill® mindforms

Ceramill library teeth by Knut Miller.



Crowns and bridges ▶

ceramill® m-splint

Fabricate functional and accurately fitting therapeutic splints.



Crowns and bridges ▶

ceramill® microshell

Fabricate temporary eggshell restorations quickly and easily.



CERAMILL MIND UPGRADE MODULES (FOR AN ADDITIONAL CHARGE)

Crowns and bridges ▶

ceramill® m-build

Digital model fabrication using the Ceramill Motion 2.



Crowns and bridges ▶

ceramill® trusmile

The module for natural reproduction of the tooth shade gradient already during the design.



Implant prosthetics ▶

ceramill® m-plant

Fabricate customised abutments and screw-retained bridges digitally using the Ceramill system.



Implant prosthetics ▶

ceramill® m-gin

Fabricate an implant-supported bridge with gingiva section reliably and fault-free.



CERAMILL MIND UPGRADE MODULES (FOR AN ADDITIONAL CHARGE)

Implant prosthetics ▶

ceramill® m-bars

Design customised Ceramill Sintron (CoCr) or wax bars.



Implant prosthetics ▶

ceramill® dicom viewer

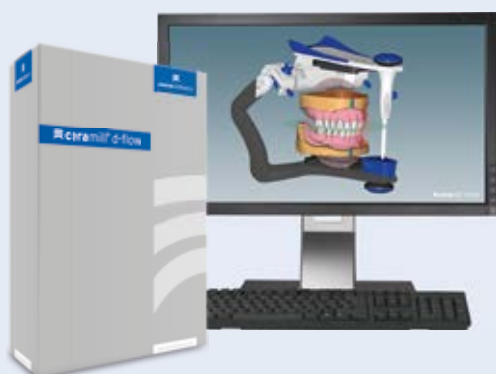
Communication and visualisation module based on Dicom data.



Full-denture prosthetics ▶

ceramill® d-flow

Design of full dentures - precise, customised and aesthetic.



CROWNS AND BRIDGES

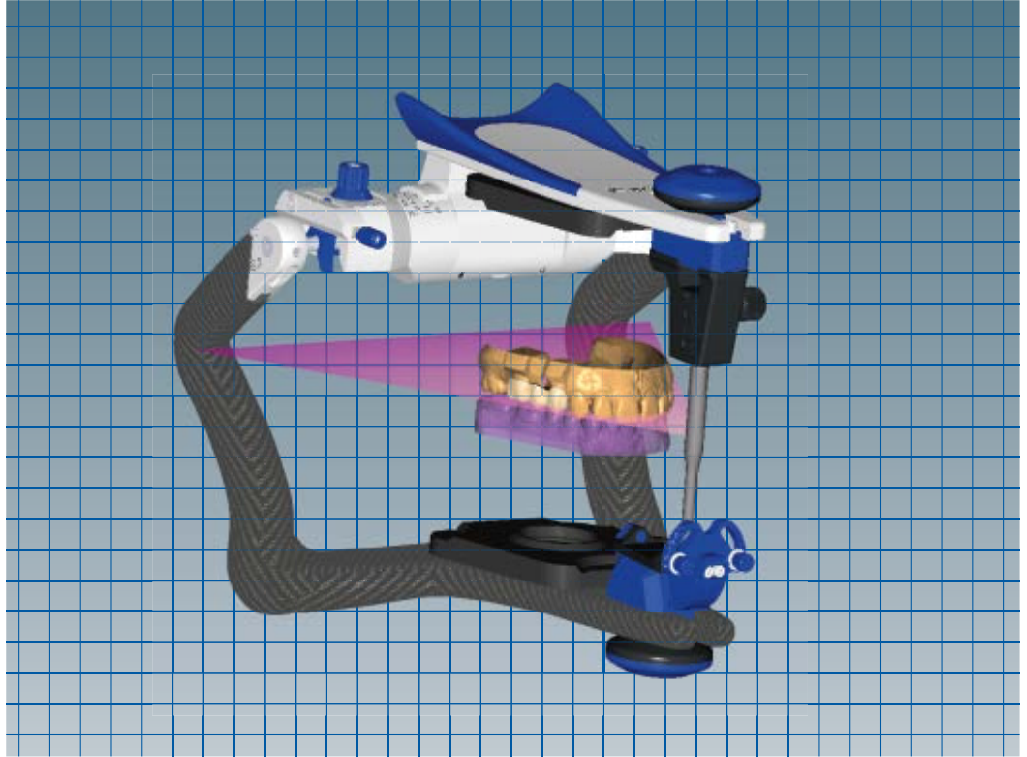
DESIGN CONVENTIONAL STANDARD INDICATIONS
PRECISELY AND EFFICIENTLY



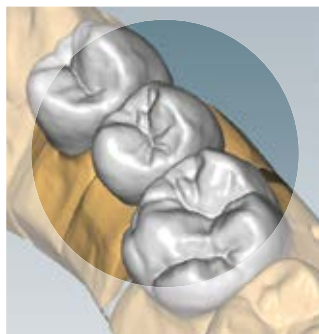
Crowns and bridges belong to the conventional standard restorations of every dental or practice laboratory. Crown and bridge restorations in the anterior and posterior regions can be quickly, easily and precisely planned using the diverse functions of the Ceramill Mind CAD software. This includes not only the virtual Artex CR articulator as an indispensable basic tool for the fabrication of interference-free restorations but also the numerous application options of the Ceramill Mind Wizard, which accelerate and simplify the design process and also include reliable preparation margin detection as well as an automatic bridge and connector design. Custom-loadable tooth libraries, e.g. with the Knut Miller teeth from the tooth mould atlas "Individualis naturae dentis" complete the function portfolio for functional and aesthetic crown and bridge prosthetics.

VIRTUAL ARTEX CR - THE FUNCTIONAL INTERFACE BETWEEN MANUAL AND DIGITAL PROSTHETIC DENTISTRY.

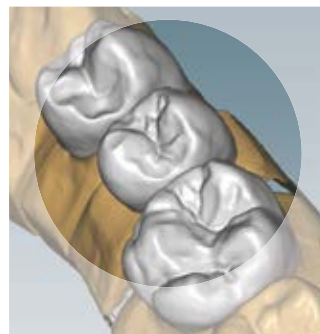
With manual production of dental prosthesis working with the articulator is standard for dental laboratories. In order to achieve the same quality of the works virtually, it is only logical and consistent to enable this by means of a CAD/CAM system. The virtual articulator "Ceramill Artex" serves as a bridge between manual and digital techniques. The model pair in the Artex articulator is transferred to the Map400-scanner while holding the same Artex mode by means of the Ceramill Transferkit; it is subsequently scanned-in in the appropriate proportion. The movement options of the Artex CR are thus synchronised digitally and manually. Interfering structures can already be removed, reducing time-consuming grinding in at the chairside to a minimum.



- _ The virtual articulator offers the same functional scope as compared to the real Artex CR**
- _ The transfer of the models by means of the Ceramill Fixator ensures the precision at the functional interface between manual and digital techniques**
- _ The calculation of the fully anatomical construction is dynamic and static under consideration of the antagonists and the adjusted values of the articulator**
- _ Space for the veneering porcelain is automatically planned during the design - guarantees an optimum framework base for a veneer with high stability and uniform layer thickness**



Fully anatomical design
without a virtual articulator



Fully anatomical design
with a virtual articulator



Adjustment modes
at the virtual Artex CR

STEP-BY-STEP

The Ceramill Artex virtual articulator offers exactly the same setting options as the manual version (Artex CR articulator). The articulator can be set in the same way as the original using a software mask. Adjustments to the articulator setting are completed onscreen and animated in real time on the Ceramill Artex. This enables an immediate visual control of the settings and therefore makes the virtual articulator "functional".



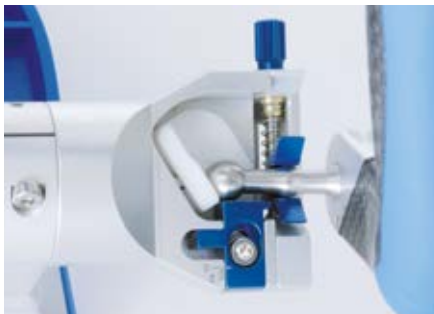
A) Condyle actual Artex CR



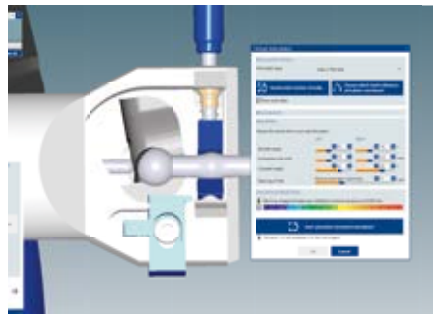
B) Condyle virtual (0 degrees)



C) Condyle virtual (30 degrees)



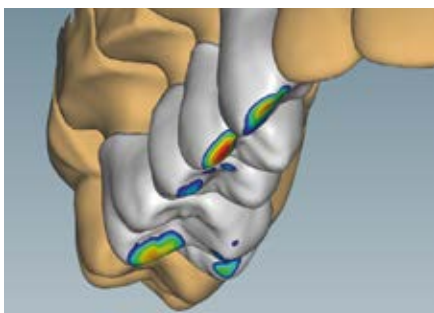
A) Artex CR condyle in centric position
viewed from below



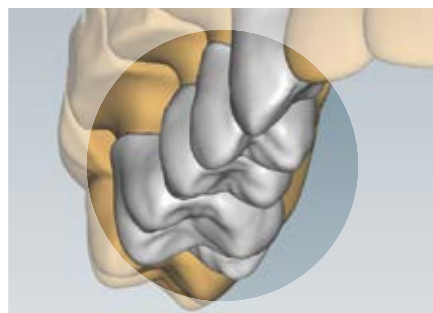
B) Virtual Artex CR condyle in centric position
as starting point for each excursion



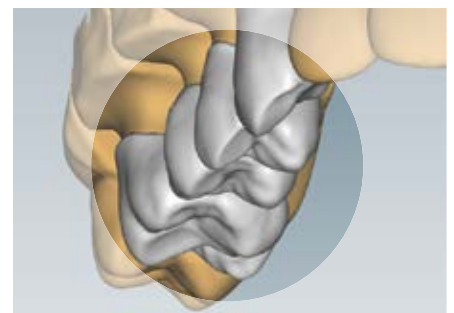
C) Artex CR condyle in (animated in real time)
lateral excursion



A) The CAD design with visual marking of contact
and penetration areas to the opposing model
before use of the virtual articulator (calculation
of the dynamics)



B) Ceramill Artex in function - static reduction
of the CAD design in the functional surfaces



C) The result of the dynamically automated
operation of the Ceramill Artex

CERAMILL LIBRARY TEETH WITH CUT-BACK MOULDS BY KNUT MILLER

Dental technician Knut Miller developed library teeth for the Ceramill Mind software, which are specially tailored to the requirements of CAD design, based on his best seller the tooth shape atlas "individualis naturae dentis". "Ceramill Mindforms 2.0 by Knut Miller" including cut-back tooth moulds form a valuable basis for designing both reduced and fully anatomical restorations according to the highest functional and aesthetic aspects. The characteristic, natural surface morphology and topography as well as fine detail definition of the library teeth significantly facilitate and accelerate the design of occlusal surfaces and fissures.



- _Fabricate highly aesthetic restorations reliably and easily - does not require any special prior knowledge of anatomy**
- _High savings in time and costs thanks to reproducible aesthetics without time-consuming freeform processes**
- _Special milling strategies reduce manual reworking to a minimum**
- _Different cut-back moulds enable functional parameters to be taken into consideration - ensuring maximum reliability and aesthetics**
- _Highly natural tooth moulds thanks to finest detail definition and structures**



Incisal cut-back



Labial cut-back



Labial-supported cut-back

THERAPEUTIC SPLINTS - FUNCTIONAL AND ACCURATELY FITTING

The Ceramill M-Splint was specially developed for the fabrication of customised therapeutic splints, which can be fabricated accurately fitting with interference-free functionality with the aid of the Ceramill Artex articulator. Once the design is complete, the splints can be fabricated from Ceramill Splintec PMMA blanks using Ceramill 5X milling machines.

As a Class 2a medical device Ceramill Splintec is suitable for long-term use.



- _ High saving in time and process reliability due to digitally predictable, reproducible results and controllable design parameters**
- _ Industrially prefabricate material with a high surface quality reduces discoloration and plaque accumulation to a minimum**
- _ Individually adjustable design parameters reduce manual finishing work**
- _ Precise occlusal contacts ensure functional splint design**
- _ Maximum convenience: Time-consuming manual fabrication is no longer required - this prevents the associated harmful vapours**



Easy, reproducible splint fabrication using Ceramill CAD/CAM



Ceramill Splintec therapeutic splints - accurately fitting and interference-free

AESTHETICALLY HIGH-QUALITY TEMPORARY EGGSHELL RESTORATIONS FOR IMMEDIATE TREATMENT

Ceramill Microshell is an upgrade module for the fabrication of thin, patient-specific temporary eggshell restorations as aesthetic, high-quality immediate treatment even before preparation.

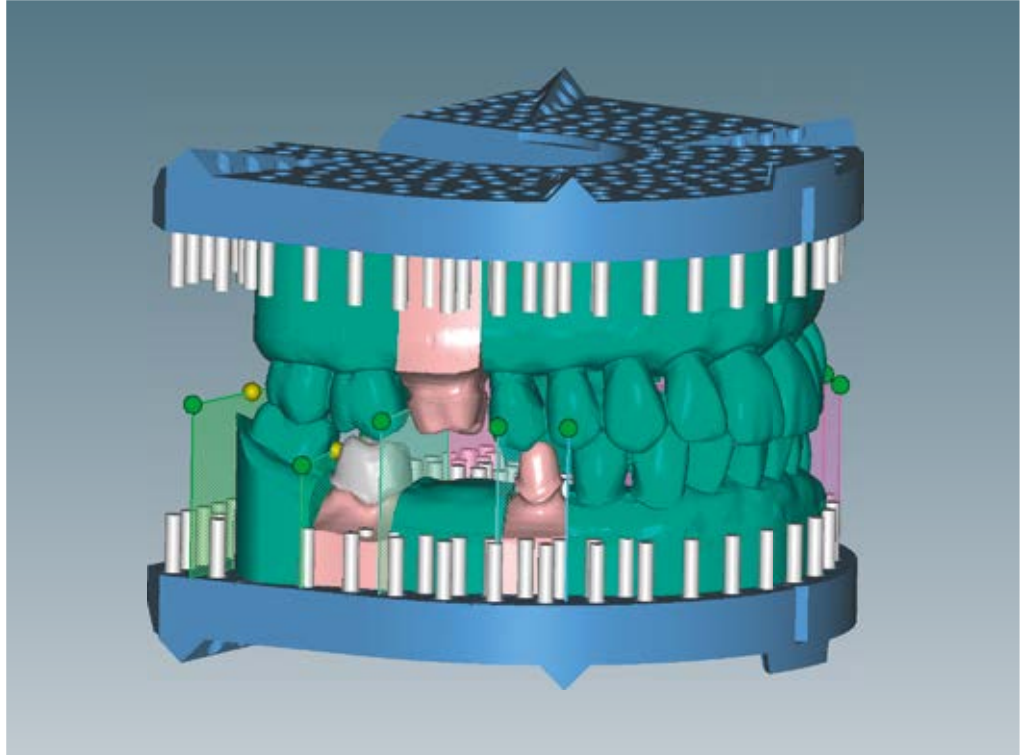
A virtual preparation margin is defined paragingivally on the as yet unprepared teeth on the scanned anatomical model. The temporary restoration designed later is produced as a shell of uniform thickness and the outer form of the unprepared tooth of the patient situation or library teeth. The final temporary restoration can be quickly fabricated with the aid of the temporary eggshell restoration immediately after preparation.



- _ Easy, quick fabrication of aesthetically high-quality, very thin temporary eggshell restorations**
- _ Patient-specific fabrication of temporary restorations is possible even before preparation**
- _ Design requires minimum time**

DIGITAL MODEL FABRICATION

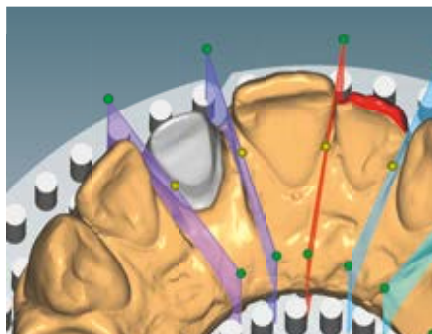
Ceramill M-Build is a software module for digital model fabrication based on intraoral scan data. The Ceramill Mind upgrade is always used to full effect if chairside indications require manual working stages or controls using a model. Without loss of precision and using the method familiar from the manual working technique, Ceramill M-Build ensures the fabrication of interference-free sectioned models using CAD/CAM and integrates seamlessly into the existing process chain of Ceramill system components. Models are fabricated using Ceramill M-Plast – a special model resin for CAD/CAM.



- _ Maximum convenience thanks to easy, quick fabrication of highly precise sectioned models**
- _ Increase in quality due to reduction in the sources of errors, e.g. plastic deformation of the impression material, plaster expansion**
- _ Seamless, digital workflow ensures efficient, cost-effective working processes with maximum value creation**
- _ No waiting times due to external production**



Milled models in the articulator



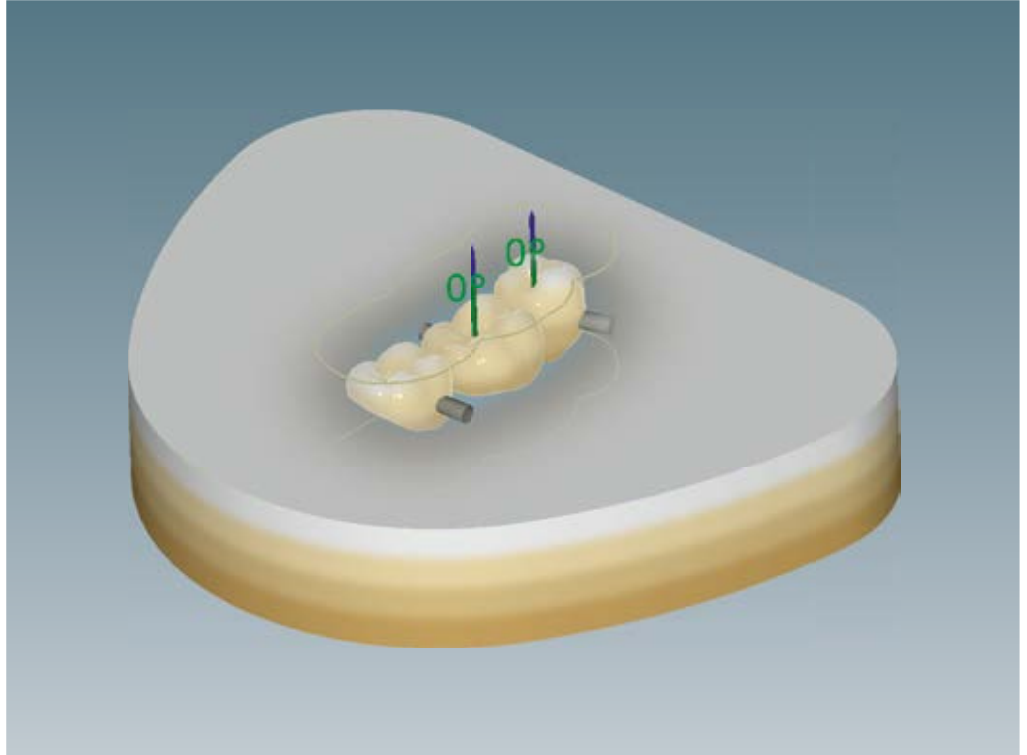
Place virtual saw cuts



Ceramill M-Build Starter Kit

DESIGNING AND NESTING IN TRUE SHADES

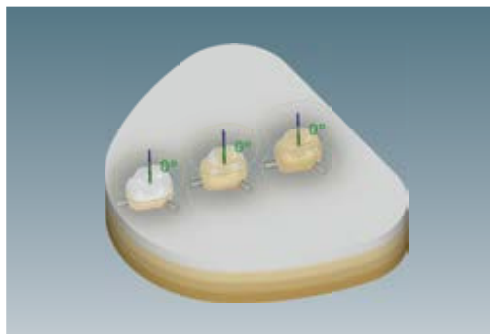
Restorations are visualised with a natural shade gradient using Ceramill Trusmile and displayed like the finished restoration in the CAD and CAM software. Scans or precision attachments such as telescope crowns or bars can also be reproduced specific to the material via Ceramill Trusmile. This already imparts an over-all impression of the final result during preparation and ensures a better aesthetic orientation during the design process.



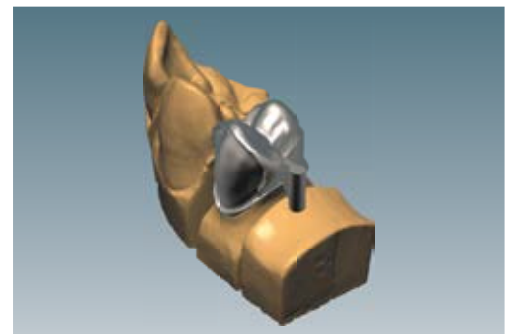
_ Visualisation of restorations with natural tooth shade gradient

_ Aesthetic orientation for technician and patient already during design

_ Easy nesting and placing of designs in Multilayer blanks thanks to realistic (shade-) display of blanks and design



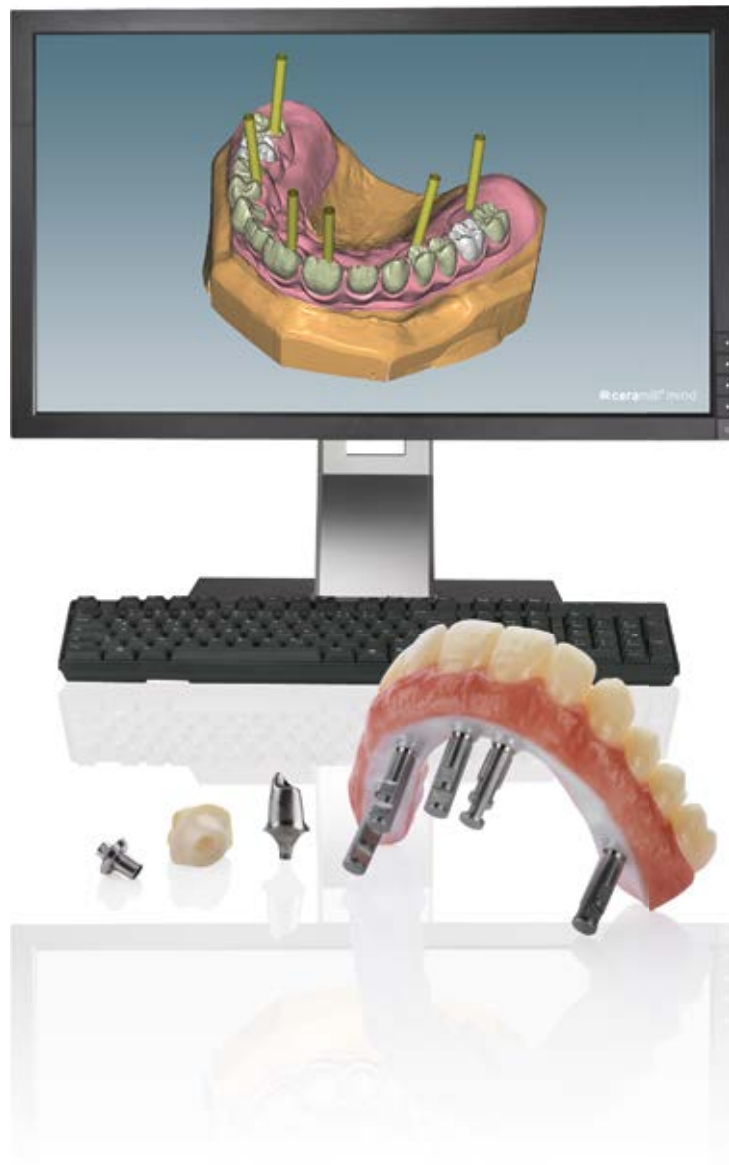
Realistic visualisation of the shade gradient of Ceramill Zolid FX Multilayer



Material-specific visualisation of Ceramill Sintron

IMPLANT PROSTHETICS

FABRICATION OF CUSTOMISED ABUTMENTS, SCREW-RETAINED BRIDGES AND BAR CONSTRUCTIONS



Increased demands on aesthetics and quality of life ensure unabated continuing advances in implantology. An ideal approach to bring high demands with low costs under one hat is fabrication of customised titanium abutments in the laboratory. With the inhouse concept around the Ceramill Motion 2 milling machine and the Ceramill Mind CAD software, Amann Girrbach enables abutments to be fabricated for all commonly used implant systems and techniques with maximum precision and full value creation.

CERAMILL IMPLANT PROSTHETICS UPGRADE MODULES

Upgrade module ►

ceramill® m-plant

Fabricate customised abutments and screw-retained bridges digitally using the Ceramill system.



Upgrade module ►

ceramill® m-gin

Fabricate an implant bridge with gingiva section reliably, quickly and very easily.



Upgrade module ►

ceramill® m-bars

Design customised bars made from Ceramill Sintron (CoCr) or wax.



Accessory ►

ceramill® ti-connect/sr ceramill® ti-forms

Titanium bases for customised, one-piece abutments (TI-Connect), multi-unit, screw-retained restorations (TI-Connect SR) and titanium abutment blanks (TI-Forms).



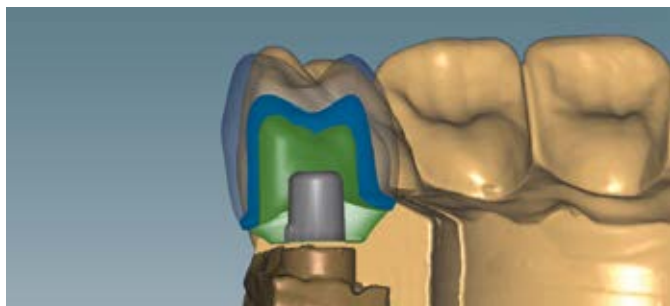
CUSTOMISED IMPLANT ABUTMENTS FOR ALL CONVENTIONAL SYSTEMS AND TECHNIQUES

Ceramill M-Plant is an upgrade module for the Ceramill Mind design software and upgrades it with the function to design customised titanium and hybrid abutments as well as customised, screw-retained bridges on conical titanium bases made from zirconium oxide, CoCr sinter metal, PMMA (stained), wax, titanium, CoCr (milled). Ceramill M-Plant has the respective libraries of all commonly used implant systems, which are continually extended.



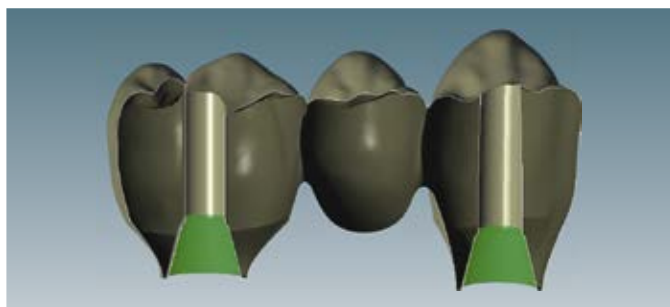
CUSTOMISED, ONE-PIECE TITANIUM ABUTMENTS

Fabrication of customised, one-piece titanium abutments with Ceramill TI-Forms.



CUSTOMISED HYBRID ABUTMENTS

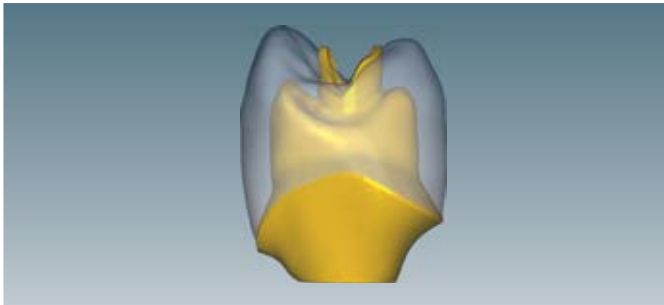
Fabrication of customised abutments on titanium bases with Ceramill TI-Connect.



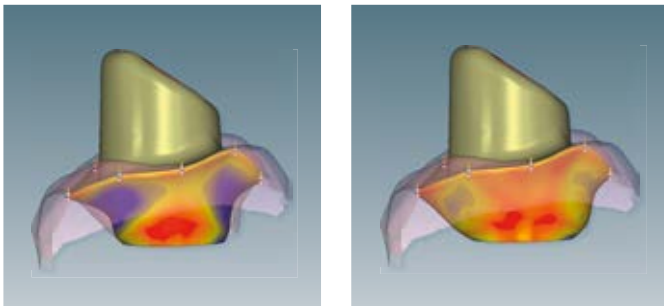
MULTI-UNIT, SCREW-RETAINED BRIDGES AND BAR CONSTRUCTIONS

Fabrication of multi-unit, screw-retained bridges and bar constructions on conical titanium bases with Ceramill TI-Connect SR.

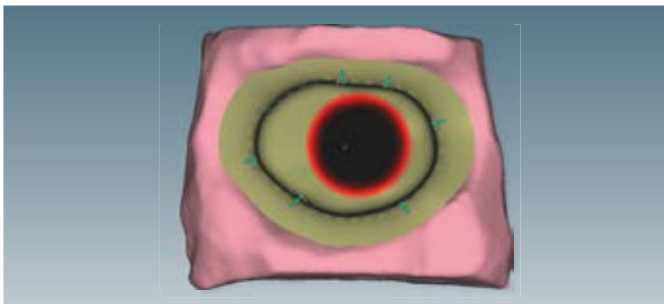
The clearly structured design of the user interface enables an effortless and easy construction of abutments and bridge restorations. The different functions available for the free and flexible design of abutment and emergence profile provide a high degree of freedom for the customised design and natural aesthetics of the final restoration.



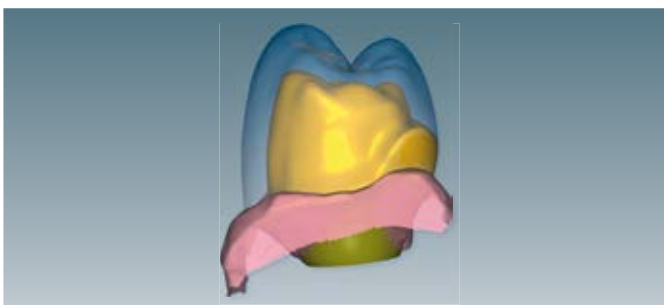
Extension of the screw channel to the occlusal surface facilitates veneering of the screw-retained abutment and protects the screw channel against porcelain material.



Customised adaptation of the gingival emergence profile.



Contouring of abutments with rotational security and analogous to the shape of the natural tooth.

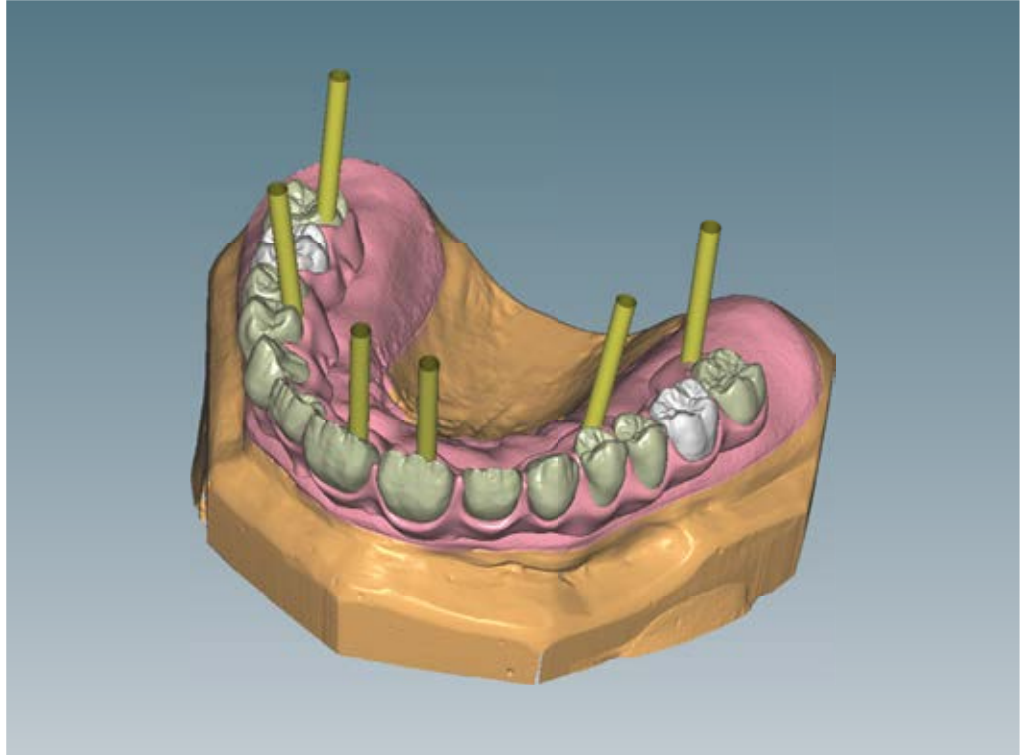


Possibility of automatic, customised design of the collar for supporting the porcelain.

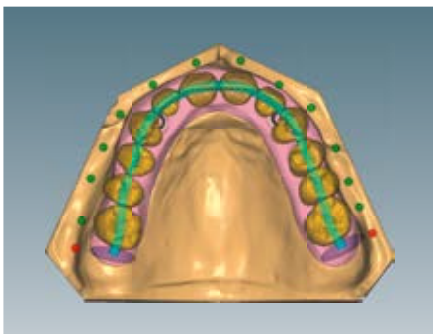
FABRICATE AN IMPLANT BRIDGE WITH GINGIVA SECTION RELIABLY, QUICKLY AND VERY EASILY

Ceramill M-Gin guides reliably and efficiently through the design process to produce an accurately fitting Ceramill REAX (Reliable-All-On-X) implant bridge. An ideal design basis is created in combination with helpful Ceramill Mind base functions and the cut-back tooth library. Ceramill Motion 2 (5X) / Ceramill Mikro (5X) milling strategies, specially developed for complex geometries of implant-supported bridges or cut-back structures, enable highly precise milling results with finest detail definition.

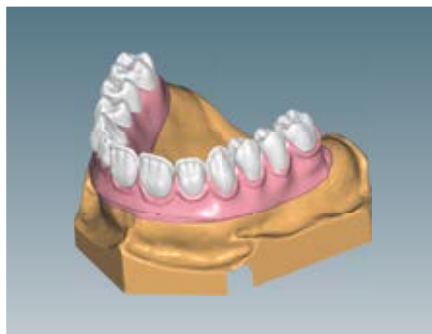
ceramill® mikro 5X ✓
ceramill® motion 2 5X ✓



- _ Easy step-by-step workflow thanks to automatic user guidance through the design process - no special knowledge required
- _ Cut-back tooth library enables highly aesthetic results at the click of a mouse
- _ Special milling strategies reduce the little amount of reworking to a minimum
- _ Coordinated processes and materials create a high degree of reliability and efficiency



Alignment of the teeth in the chain mode



Freeforming of gingiva structures

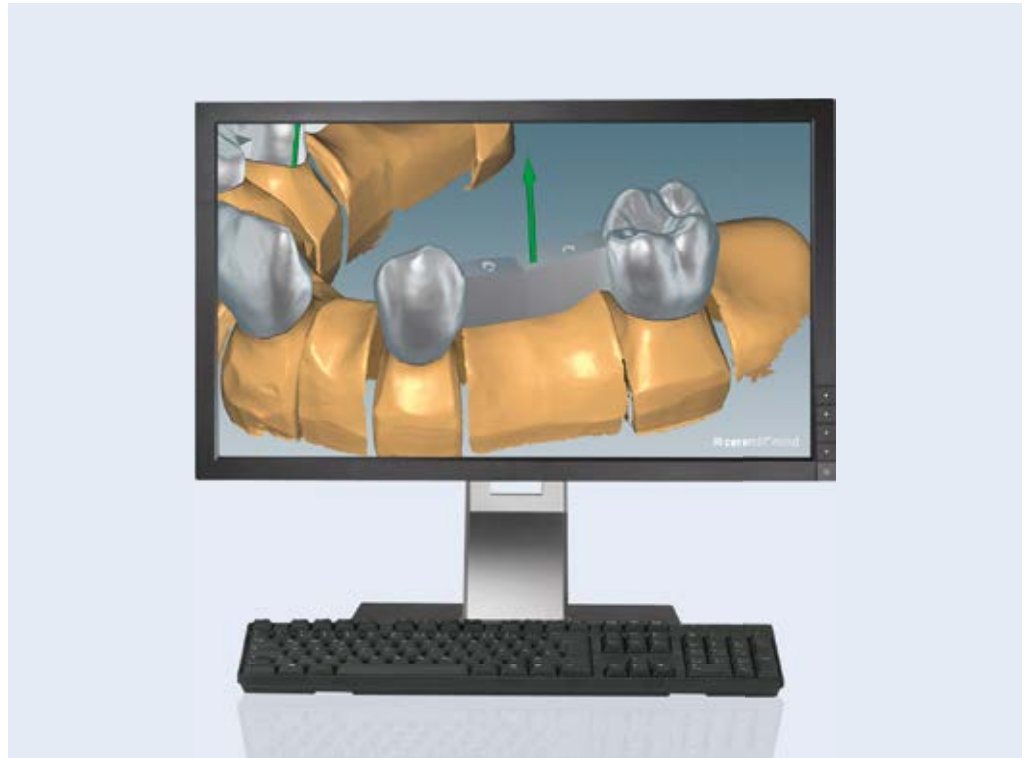


5-axis external processing for the finest detail definition

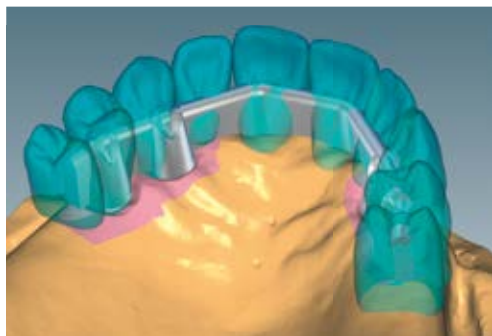
INHOUSE FABRICATION OF CUSTOMISED BARS MADE FROM CERAMILL SINTRON (CoCr) OR WAX

Ceramill M-Bars enable fabrication of customised bars made from Ceramill Sintron or Ceramill Wax. Very different bar designs, placement of attachments and retention as well as punching out of holes can also be implemented. The bar can then be fabricated inhouse using 5-axis milling machines.

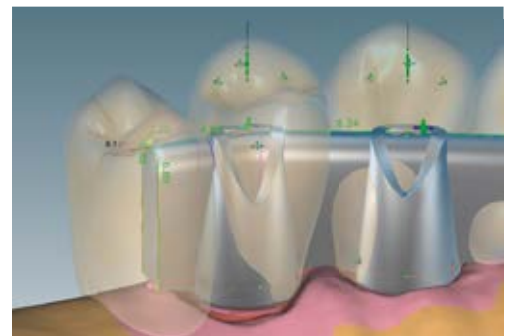
ceramill® mikro 5X ✓
ceramill® motion 2 5X ✓



- _Precise, efficient inhouse fabrication of stress-free, implant-supported, screw-retained bars on conical Ceramill TI-Connect SR titanium bases**
- _Great saving in time due to direct influence on the cross section, shapes and geometries of the bars during the design - no time-consuming manual modelling required**
- _Diverse design and customisation possibilities due to freely adjustable parameters, e.g. height, thickness, lingual and buccal angle, minimum height and thickness**
- _Process reliability because of predictable, reproducible results thanks to digital fabrication and controllable design parameters**



Situ scan ensures easy bar positioning



Custom-adjustable parameters such as height, thickness, lingual/buccal angle, minimum height/thickness and other diverse customisation options

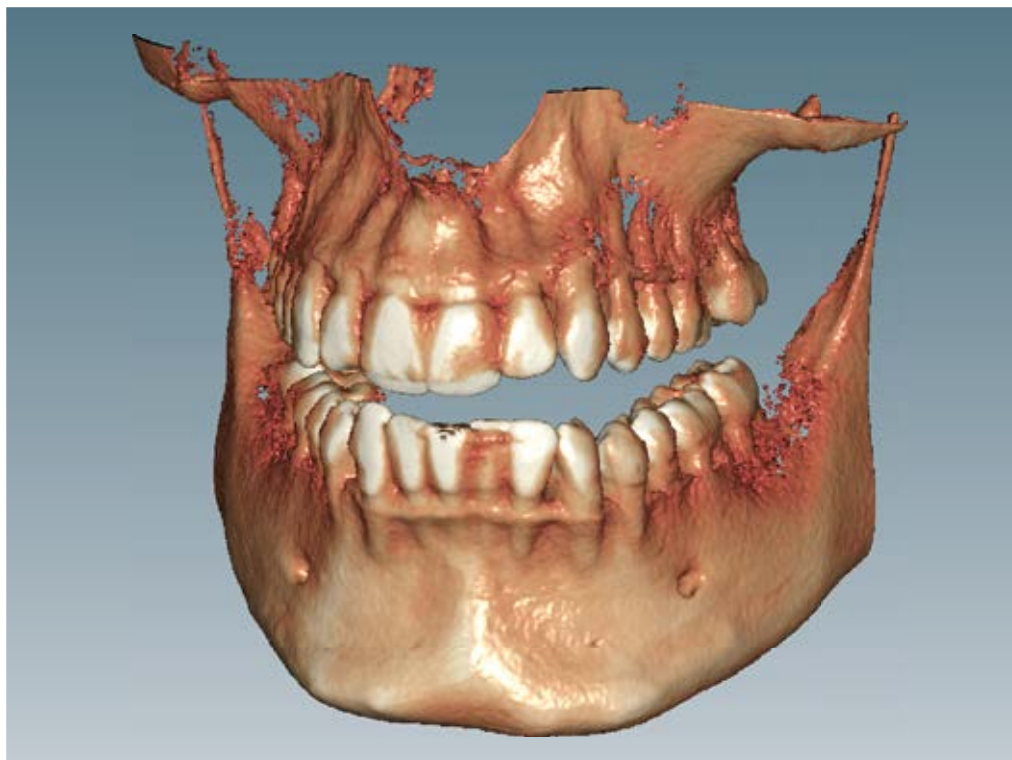
VISUALISATION AND COMMUNICATION SOFTWARE BASED ON DICOM DATA

The Ceramill Mind upgrade module "Ceramill Dicom Viewer" is a visualisation and communication software. It enables data from CT or CBCT machines (Dicom format) to be imported, displayed and merged with STL data.

The visualisation of superficial and deeper-lying anatomical structures of the patient, which this makes possible, enables easier, more precise communication between the dentist and laboratory.

Patient data stored as an STL data set can be accessed in the Ceramill Mind for control or information, e.g. during the design of abutments.

The Dicom Viewer is not intended for diagnostic or medical purposes.



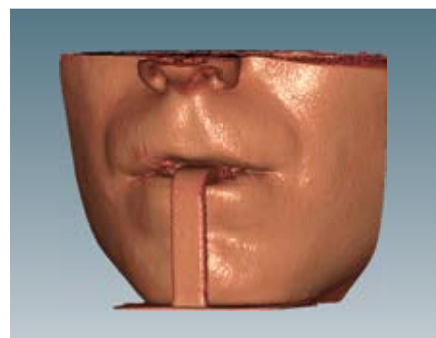
- _ Visualisation of Dicom formats and merging with STL data in the Ceramill Mind CAD software**
- _ Quality assured patient treatment due to easier, more precise communication between the dentist and laboratory**
- _ Control and information possibility during the design, e.g. of abutments**



Dicom data as 3-dimensional radiographic image



Display of deep lying structures



Visualisation of superficial facial structures

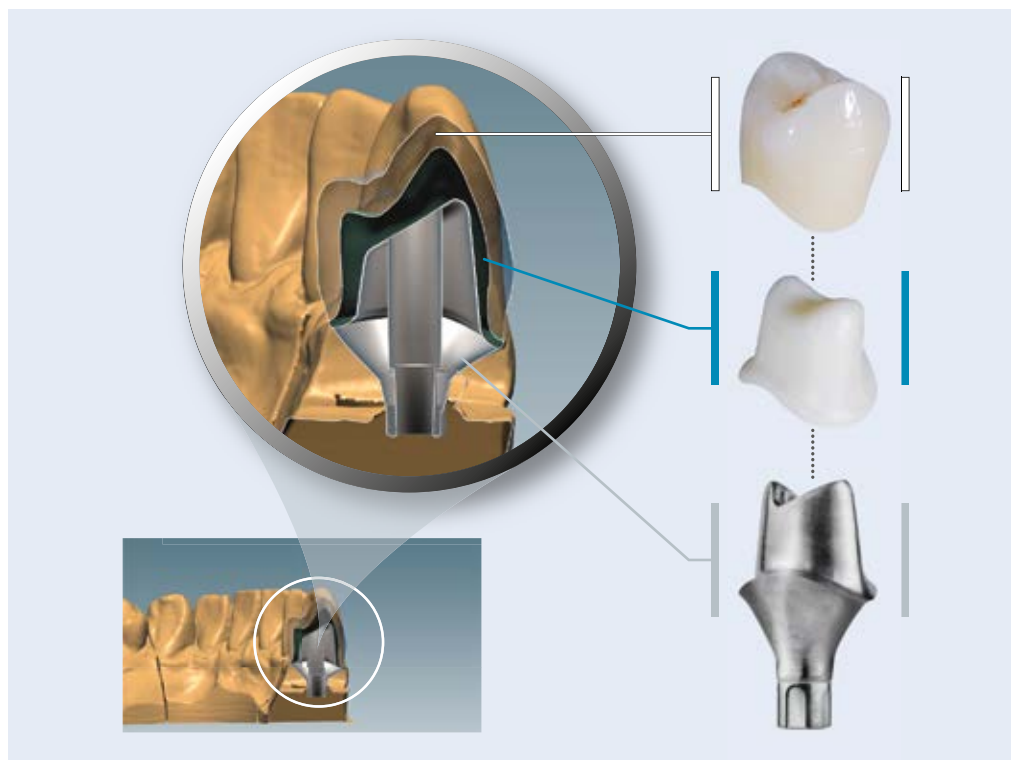
TITANIUM ABUTMENT BLANKS WITH PREFABRICATED CONNECTION GEOMETRY

Ceramill TI-Forms are titanium abutment blanks with industrially prefabricated connection geometry, which can be custom designed using the Ceramill M-Plant module. Ceramill TI-Forms are available for a wide range of conventional implant systems, which is continuously extended.

The Ceramill TI-Forms portfolio has been extended to include original titanium abutment blanks, which can be processed highly precisely inhouse by Ceramill users with unlimited service, support and guarantee.

Other blanks with original connection geometries in validation.

ceramill® mikro ic ✓
ceramill® motion 2 5X ✓



_ Smooth workflow ensures efficient, cost-effective working processes with highly precise final results

_ Free, flexible design of abutment and emergence profile for a high degree of customised design

_ Extended product portfolio by prosthetic components from implant manufacturers with unlimited service, support and guarantee provisions



Other compatible implant systems can be found in our "Ceramill Implant Prosthetics" or online at www.amanngirrbach.com/downloads

CERAMILL TI-FORMS

Implant manufacturer	Implant systems
Astra Tech	Osseo Speed®
Biomet 3i	Osseotite®
Biomet 3i	Osseotite Certain®
Camlog	Conelog®
Dentsply Friadent	Frialit/Xive®
Nobel Biocare	Branemark®
Nobel Biocare	Nobel Active®
Nobel Biocare	Replace Select®
Straumann	BoneLevel®
Straumann	SynOcta®
Zimmer	Tapered Screw-Vent®

TITANIUM ABUTMENT BLANKS FROM IMPLANT MANUFACTURERS

Implant manufacturer	Implant systems
Straumann	BoneLevel®
Straumann	SynOcta®
MIS**	C1, V3, Seven, M4
BEGO	Semados® SC/SCX/RS/RSX/RI**

* All implant system components not listed in our catalogue must be obtained from the manufacturer.

** With platform switching design.

INHOUSE FABRICATION OF CUSTOMISED, ONE-PIECE TITANIUM ABUTMENTS

The TI-Forms, which are available for a wide range of conventional implant systems, obtain an excellent surface quality due to the "rotational milling" technology. In contrast to conventional milling in which the blank generally remains in a static position, the blank rotates continuously around its own axis during multi-pass milling. This not only saves the travel paths of the cutters but also ensures that material is removed uniformly and homogeneously and creates surfaces with an equally precise and smooth finish.

Only a special adapter is required which can be used to upgrade already installed Cera-mill milling machines with a wet milling function for processing blanks.



- _ High saving in time and maximum value creation thanks to inhouse fabrication**
- _ High precision of the abutments due to prefabricated implant-connection geometries**
- _ Maximum protection for the industrially manufactured implant interface by only gripping the abutment on the face side**
- _ Excellent surface quality due the "rotation milling" technique**
- _ Blanks available for all conventional implant systems (see Page 102-112)**

More about Ceramill TI-Forms and accessories for the manufacture of implant supported prosthetics can be found in our catalogue "Ceramill Implant Prosthetics" or online at www.amanngirrbach.com/downloads



Wet processing of a Ceramill TI-Forms using the "rotational milling" technique



Ceramill TI-Forms blank and milled titanium abutment

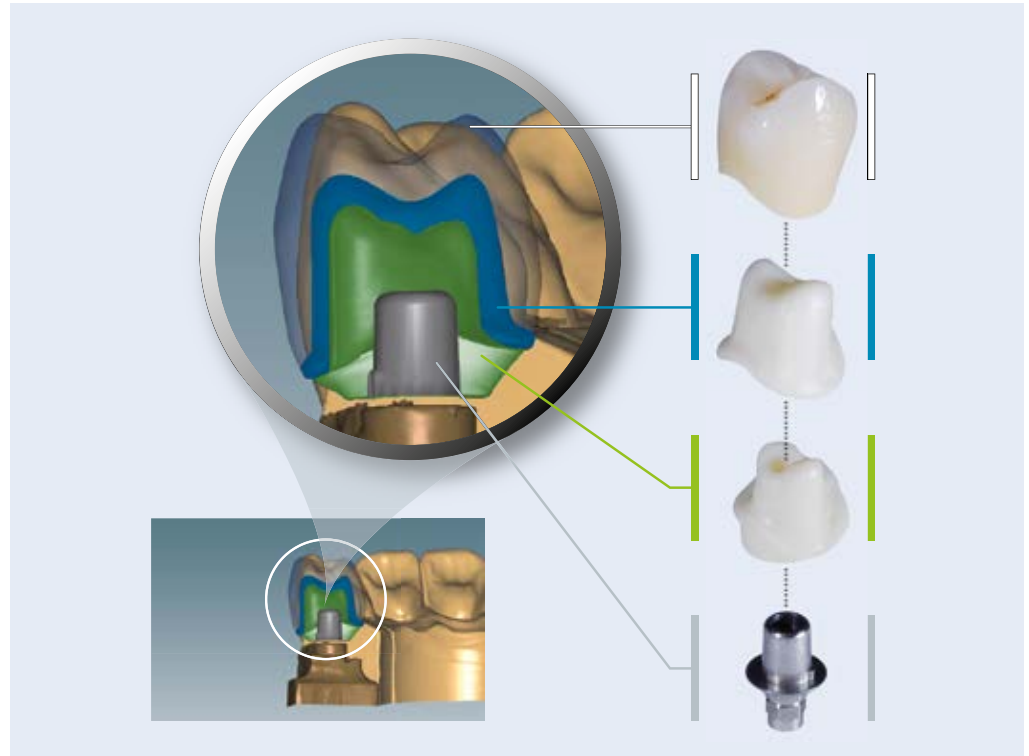


Ceramill TI-Forms upgrade kit for Ceramill Motion 2 5X

TITANIUM BASES FOR CUSTOM SINGLE ABUTMENTS

Customised single abutments can be fabricated with Ceramill Ti-Connect titanium bases using the hybrid technique. In the hybrid technique the titanium bases are adhesive retained with the customised abutments, which guarantees reliable and durable fit of the abutment on the implant. Perfect gingival aesthetics are achieved by the customised emergence profile contour using the Ceramill M-Plant.

ceramill® mikro ✓
ceramill® motion 2 5X ✓



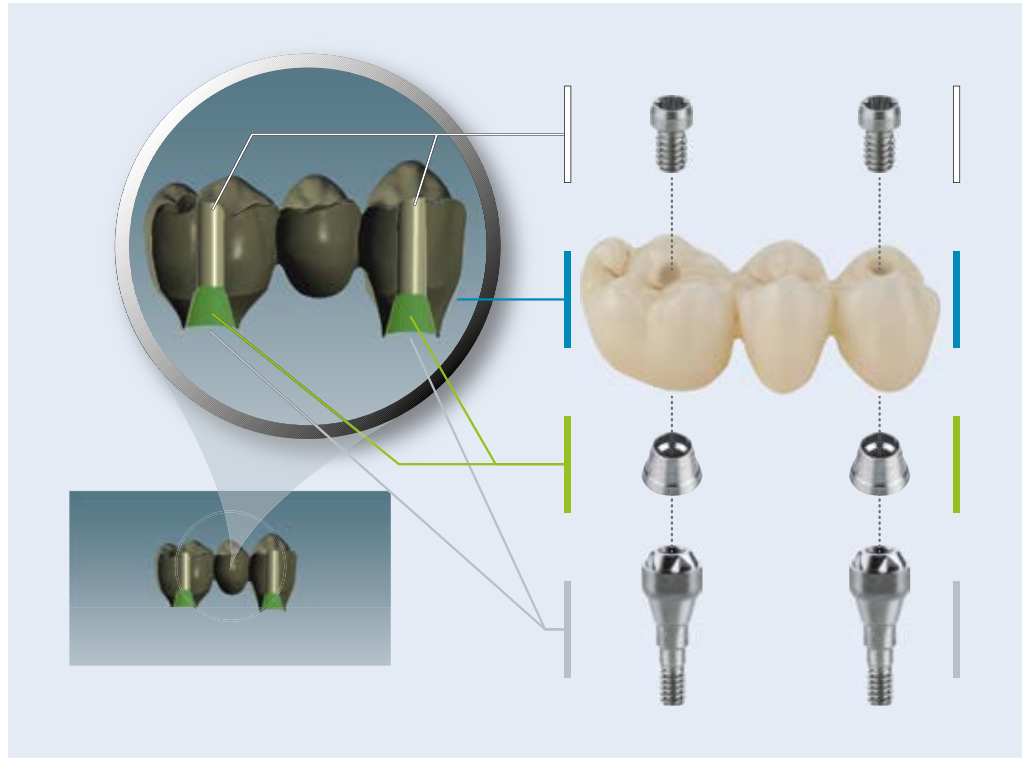
- _ The hybrid technique (adhesive bonding) ensures reliable, durable fit of the abutment on the implant**
- _ Titanium base guarantees a secure screw fit in metal**
- _ Customised design of the emergence profile for perfect gingival aesthetics**
- _ High process reliability due to industrially manufactured connection geometries**
- _ Accessories for all standard implant systems available (see Page 102-112)**

Accessories for the manufacture of implant supported prosthetics can be found in our catalogue "Ceramill Implant Prosthetics" or online at www.amanngirrbach.com/downloads

CONICAL SR TITANIUM BASES AND SR ADHESIVE COPINGS FOR MULTI-UNIT, SCREW-RETAINED RESTORATIONS

The conical titanium bases and adhesive copings Ceramill TI-Connect SR enable fabrication of multiple-unit, screw-retained bridge restorations and bar elements on implants. The conical shape of the titanium base and adhesive coping also enables the fabrication of restorations on divergent implants. The SR titanium bases are supplied in 3 gingival heights to ensure optimum adaptation to the vertical implant position and emergence profile.

ceramill® mikro 5X ✓
ceramill® motion 2 5X ✓



- _SR titanium bases with conical SR adhesive copings for fabricating screw-retained bridges and bar elements on implants
- _The conical shape of the SR adhesive cap and SR titanium base enable restorations on divergent implants
- _SR titanium base is available in 3 gingival heights - for optimum adaptation to the vertical implant position and emergence profile
- _SR adhesive cap is available in 2 heights - for optimum support of the restoration
- _Accessories for all standard implant systems available (see Page 102-112)

Other accessories for fabricating implant-supported restorations can be found in our "Medentika for Ceramill" catalogue.

More about Ceramill TI-Forms at www.amanngirrbach.com/downloads



FULL-DENTURE PROSTHETICS

DIGITAL FULL-DENTURE PROSTHETICS ACCORDING TO
DENTAL TECHNOLOGY LOGIC - PRECISE, CUSTOMISED, AESTHETIC.



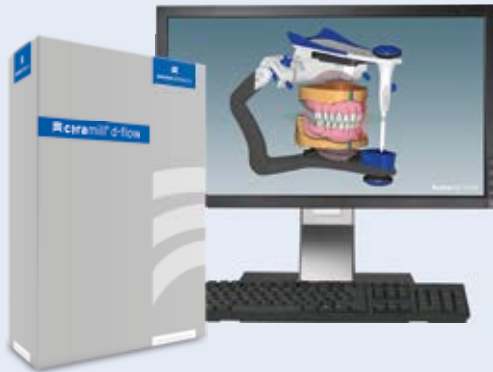
Digital full-denture prosthetics has now arrived in modern dental and practice laboratories with the Ceramill Full Denture System and enables the entire fabrication process of full-denture prosthetics up to the wax try-in of CAD/CAM-based dental technology to be implemented. Fabrication via a wax try-in in combination with the seamless linking of all software and hardware components allows full dentures to be custom-fabricated with process reliability, economically and taking all functional and aesthetic parameters into consideration. The outcome is consistently perfect results - without financial risks for the laboratory, yet allowing unlimited freedom for aesthetics and function.

SOFTWARE AND HARDWARE COMPONENTS FOR THE CERAMILL FDS

Full-denture prosthetics ▶

ceramill® d-flow

Design of full dentures taking all functional and aesthetic parameters into consideration.



Full-denture prosthetics ▶

ceramill® motion 2 5X

5-axis hybrid system for wet and dry processing.



Full-denture prosthetics ▶

ceramill® d-set

Patented denture tooth blanks with commercially available, high-quality denture teeth and Ceramill D-Wax blank for fabricating the wax base.



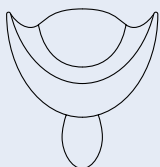
OTHER TOOTH RANGES
IN VALIDATION



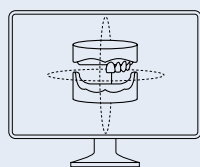
Accessories ▶

Accessories

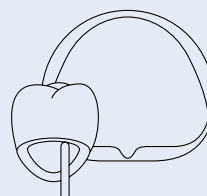
Blank holders for the Ceramill D-Set and Ceramill D-Wax. Roto D-Wax cutters with extended shank.



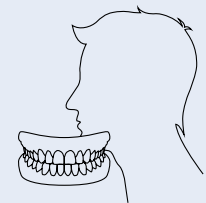
Impression taking and digitisation
of patient data



Model scan and functional design



Milling the wax base /
Adapting the tooth bases



Functional denture with possibility
of conversion



PRODUCTION / CAM

≡ ceramill® mikro	56
≡ ceramill® motion 2	59
≡ ceramill® match 2	62
≡ ceramill® mindserve	64

DNA GENERATION.
POWER + DENTAL INTELLIGENCE = PERFORMANCE



Our milling machines are fully created inhouse and exclusively at Amann Girrbach headquarters in Koblach, Austria. Based on our decades of experience in CNC technology and strong development skills we have the expertise to develop and manufacture our machines inhouse from scratch. Inhouse development of all elementary components, and in particular the new control units, allows us to meticulously adapt and continually further develop our milling units to the specific requirements of dental technology. A distinctive profile emerges in terms of precision, speed and CAM processes, precisely adapted to the mechanical quality of dental materials - we call it the "Ceramill DNA."

CAD/CAM THINKS FASTER, NOW.

ceramill® mikro 4X

Easy entry or efficient upgrading.



ceramill® mikro 5X

5-axis technology concentrated in minimum space.



ceramill® mikro ic

The power pack for highly efficient wet processing.



ceramill® motion 2

One for all – all in one.



THE CORRECT SOLUTION FOR EVERYONE.

Maximum precision, future-security and full inhouse value creation due to maximum material and indication diversity form the basis of the Ceramill machine concept.

CERAMILL MATERIAL	MATERIAL	PROCESS WET/DRY	
Ceramill Sintron	CoCr sinter metal	~	
Ceramill Zirconia (LT, HT, SHT)	Zirconia	~	
Ceramill Wax	Milling wax	~	
Ceramill PMMA	Acrylic, transparent	~	
Ceramill TEMP Multilayer	Acrylic, PMMA stained	~	
Ceramill Splintec	Splints-acrylic, PMMA	~	
Ceramill M-Plast	Model plastic	~	
Ceramill D-Wax	Denture acrylic	~	
Ceramill TI-Forms	Titanium	~	
Ceramill PEEK	Polyetheretherketone	~	
VITA SUPRINITY® PC	Lithium silicate ceramic, zirconium-oxide reinforced	~	
VITA ENAMIC®	Hybrid ceramic	~	
VITABLOCS® Mark II / TriLux forte	Glass-ceramic	~	
IPS e.max CAD, Ivoclar Vivadent	Lithium disilicate ceramic	~	
INDICATIONS			
Crown/bridge anatomically reduced			
Crown/bridge fully anatomical			
Implant bridge with gingiva section			
Inlay/Onlay/Veneer			
Overpress fully anatomical			
Telescope			
Attachment			
Titanium abutment (customised)			
Bridge on conical titanium bases			
Multi-unit, screw-retained restoration on titanium bases			
Bar on titanium base			
Bite raising appliance			
Eggshell temporary restoration			
Full denture			
Digital model fabrication			

PRODUCTION / CAM

EASY ENTRY OR EFFICIENT UPGRADING.

Ceramill Mikro 4X is an extremely robust and compact 4-axis milling machine for dry processing blanks and single blocks such as zirconia, hybrid ceramics or dry millable composite materials.

Equipped with high-performance components for permanent stability, economy and precision with low investment costs, the Mikro enables easy entry into CAD/CAM fabrication inhouse in the laboratory or optimises the efficiency and productivity of the laboratory routine. With the full range of conventional laboratory indications, Ceramill Mikro 4X paves the way to profitable inhouse value creation, economy and accurately fitting framework quality without preparation or reworking.



- _High Performance milling due to DNA milling strategies
- _Easy entry or efficient upgrading thanks to low investment costs and high amortisation
- _Highly versatile due to 4-axis dry processing of blanks and hybrid ceramic blocks
- _Precise and durable thanks to high-quality components and robust machine design

More about Ceramill Mikro 4X at
www.amannbirnbach.com/downloads

5-AXIS TECHNOLOGY CONCENTRATED IN MINIMUM SPACE.

Splints, bars, implant bridges – the 5-axis unit Ceramill Mikro 5X not only masters conventional crown and bridge work but was also designed for fabricating more complex indications with dry millable materials. The high rigidity and stability of the machine are based on the compact construction design of the sister model Ceramill Mikro 4X, without having to forego the advantages of 5-axis technology. The result is absolutely low-vibration processing, which in combination with Ceramill control technology produces impressive precision on the blank.

Fast processing times, maximum quality and a wide range of indications and materials make the Ceramill Mikro 5X a genuine winner in the laboratory in terms of productivity.



- _ High Performance milling due to DNA milling strategies
- _ Maximum range of indications in the 5-axis dry milling/grinding category
- _ Space-saving, compact design with the latest 5-axis technology
- _ Fast, stable and efficient thanks to low-vibration monocoque design
- _ High-quality machine components guarantee constantly high precision and durability

More about Ceramill Mikro 5X at
www.amanngirrbach.com/downloads



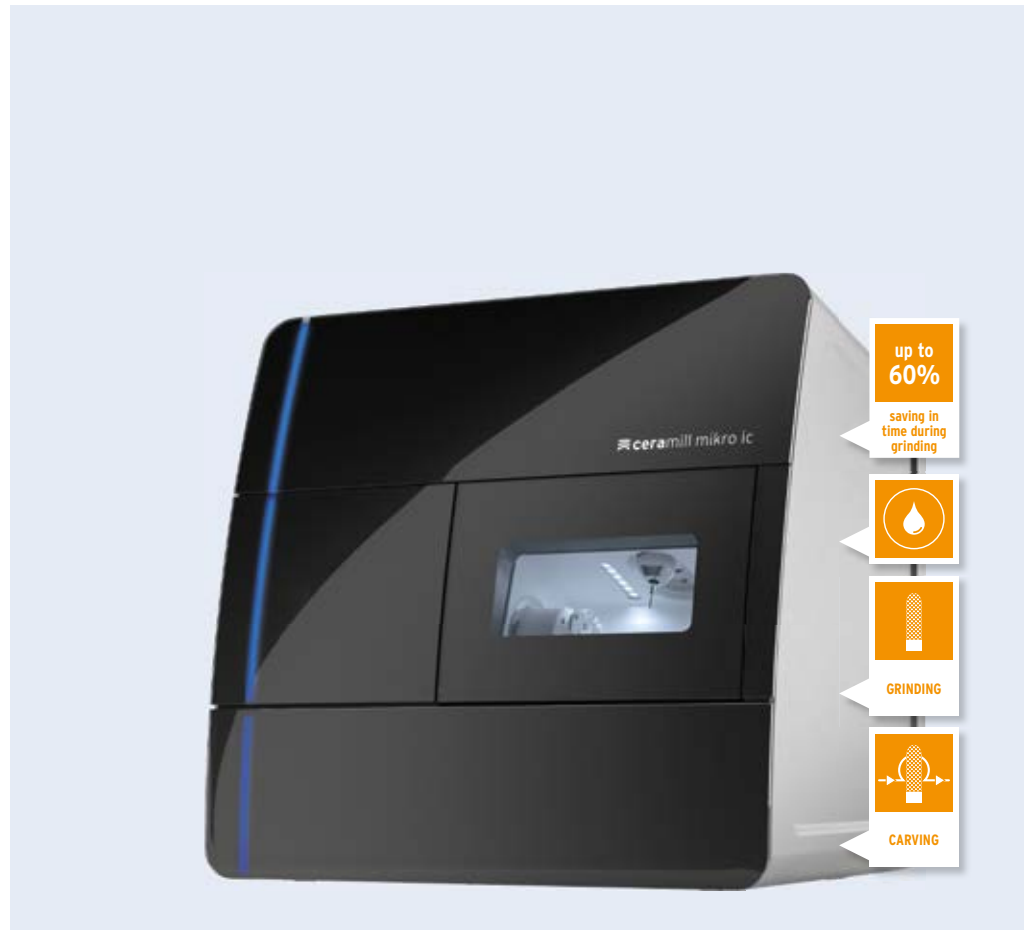
Standard milling strategies



5-axis exterior processing using Ceramill CAD/CAM

THE POWER PACK WITH THE "CARVING MODE".

This compact 4-axis milling unit extends inhouse fabrication of conventional laboratory indications to include the option of wet grinding/milling. Titanium abutment blanks can also be processed with this unit in the same way as composites, hybrid and glass-ceramics. The monocoque design, typical for Ceramill units, gives the machine stability and torsion resistance despite its small footprint. In combination with the solid design of the axis system and quiet-running, powerful high-frequency spindle the respective milling strategies can be precisely transferred to the blank using high feed rates. This is particularly effective when grinding in the "Carving Mode". This innovative grinding process reduces the processing times of single blocks up to 60%.



- _ High Performance processing due to DNA milling/grinding strategies
- _ Carving Mode reduces processing times of blocks up to 60%
- _ Solid design enables the highest degree of precision with maximum feed rates
- _ Special holder design ensures easy handling and accuracy when processing hard materials (titanium, glass-ceramics etc.)

More about Ceramill Mikro IC at
www.amannbirnbach.com/downloads



Highly precise processing of titanium abutment blanks using the rotational milling technique



Grinding in the carving mode reduces processing times by up to 60%

ONE FOR ALL - ALL IN ONE.

The Ceramill Motion 2 is a benchmark in terms of the range of indications and materials inhouse. The 5-axis milling unit combines wet and dry processing in one unit and enables the value-creation chain to be kept virtually completely inhouse in the laboratory. The Ceramill Motion 2 can be used either as a purely dry or wet unit or in combined operation for an unlimited range of materials and indications.

Equipped with the innovative control technology and robust machine concept from Amann Girrbach, the Ceramill 2 is guaranteed to be future-proof, economic and precise.



- _High Performance milling, grinding, carving due to DNA milling/grinding strategies
- _Maximum range of materials and indications thanks to 5-axis wet and dry processing in one unit
- _Innovative processing procedures ensure maximum ROI (e.g. rotational milling of titanium, processing of full dentures)
- _Intelligent machine design guarantees optimum protection of all electronic components during wet operation

More about Ceramill Motion 2 at
www.amanngirrbach.com/downloads



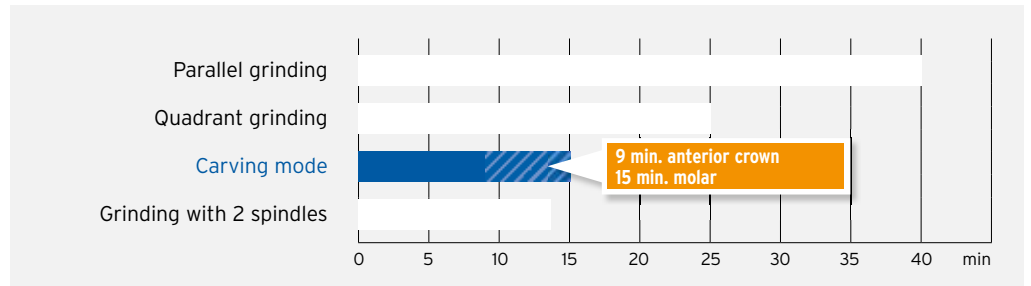
5-axis exterior processing using Ceramill CAD/CAM



Basal adaptation of denture teeth

MILLING, GRINDING + CARVING - SYMBIOSIS OF POWER AND INTELLIGENCE

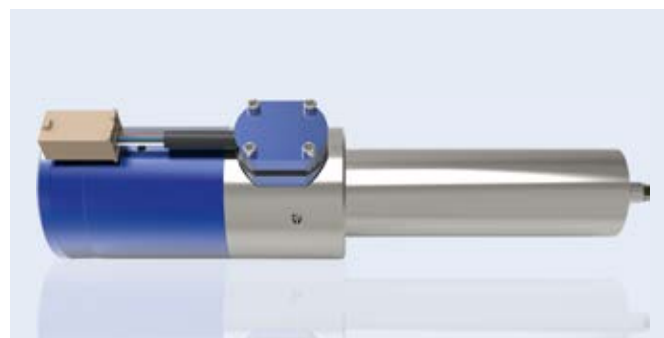
The carving mode - enables glass and hybrid ceramics to be processed with a saving in time of approx. 60 %. Excess material is completely removed with this special grinding technique, which avoids grinding down the block to the actual geometry. The process, which is unique in dental CAD/CAM technology to date, results in a massive saving in time and corresponds to processing with two spindles (approx. 9 - 15 min./crown).



Time-saving "Carving mode" 	Ceramill DNA Generation DNA milling/grinding strategies* RPM: 100,000 Output: 750 W	= DNA Performance Grinding → E.g. Hybrid ceramic: Ø Processing time = approx. 15 min.
Time-consuming Parallel grinding 	Competitor (Ø performance) Standard milling-grinding strategies* RPM: 30,000 Output: 250 W	= Standard grinding → E.g. Hybrid ceramic: Ø Processing time = approx. 40 min.

* Average technical data of commercially available laboratory milling machines

The Ceramill units Ceramill Mikro IC and Ceramill Motion 2 are equipped with an extremely powerful, yet quiet-running high-frequency spindle. With a 750 W output they also mill materials difficult to process (e.g. hybrid ceramics, lithium-disilicate) with up to 100,000 rpm. The spindle, drive components, control unit and tools are thereby in perfect balance. Power can only be translated into the highest precision with their perfect interplay.



Super-high-frequency spindle mills materials with up to 100,000rpm

up to 60%
saving in time during grinding

HIGH DEFINITION CAD/CAM FOR ALL MATERIALS AND INDICATIONS - EX MACHINA.

MILLING IN HD QUALITY:

Thanks to the interplay of highly precise (super-) high-frequency spindles, meticulously developed milling strategy and ultra-thin HD cutters the entire range of millable Ceramill CAD/CAM materials can be processed to a high level of quality that sets new standards.

STANDARD

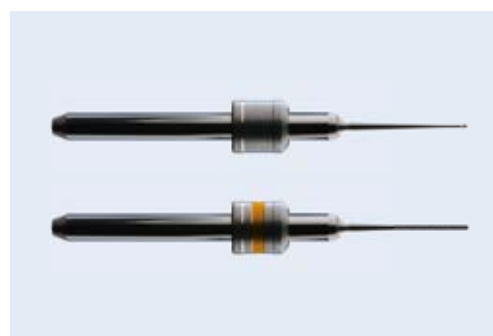
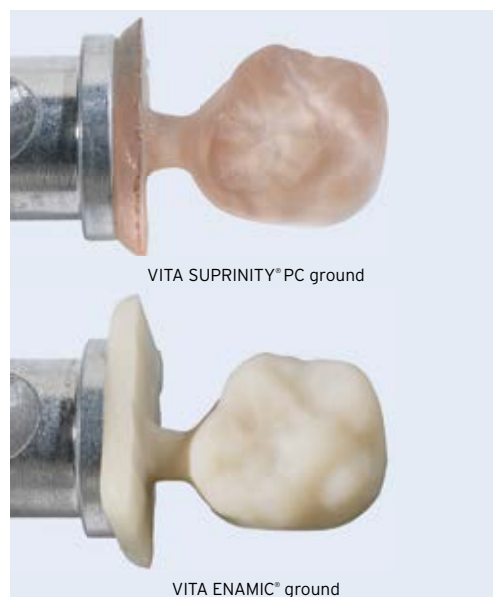


HIGH DEFINITION (HD)



GRINDING IN HD QUALITY:

Materials can be processed in unique precision using ultra-thin, yet highly stable diamond cutters and a milling strategy specially developed for these tools. The result is frameworks with typical, characteristic occlusal surfaces, finest fissures and detail definition which was previously only found after veneering or with a natural tooth.



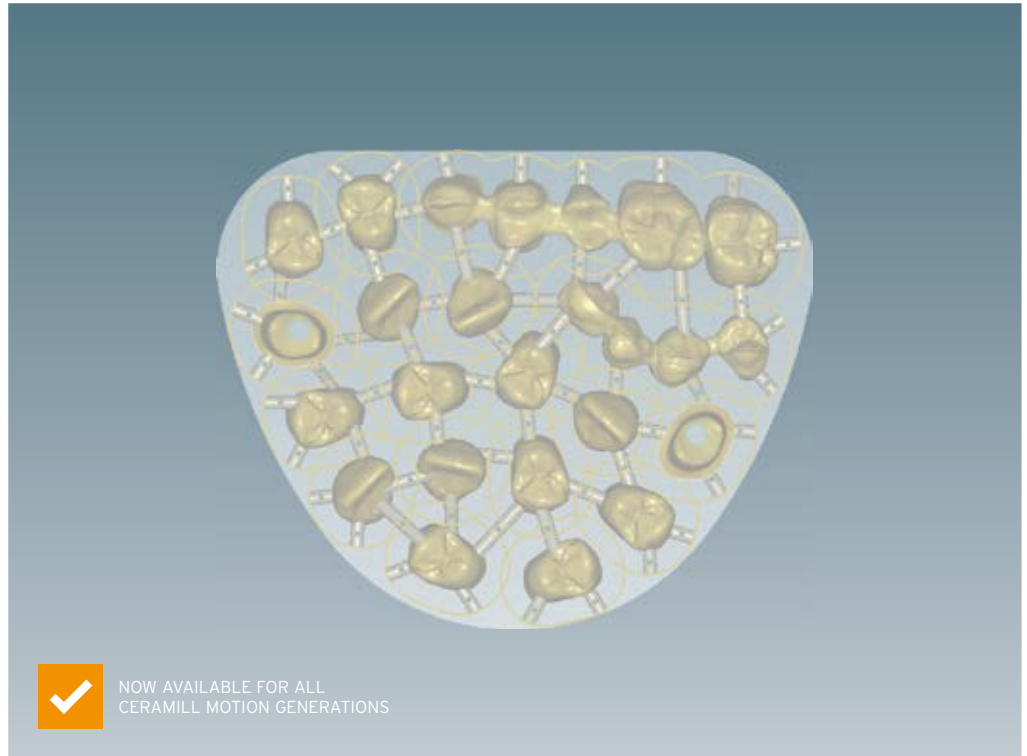
0.3mm cutter and 0.4mm trimmer



VITA SUPRINITY® PC sintered/Ceramill HD - without preparation and reworking

INHOUSE MILLING WITH PREMIUM PERFORMANCE, USABILITY AND PRECISION

The automatic and transparent user interface of the Ceramill Match 2 CAM software form the basis for a reliable and easy operation. No CAM or milling know-how is required to use it. Even users with little experience may quickly and easily establish the milling programs to manufacture crowns and bridge frameworks. An elaborated collision control (and evasion) of Ceramill Match ensures a high degree of process reliability.

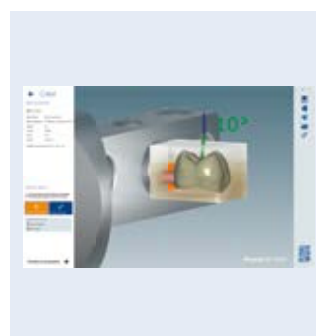


NOW AVAILABLE FOR ALL
CERAMILL MOTION GENERATIONS

- _ Easy positioning and aligning of frameworks in the blank**
- _ Easy changing of the position, size and alignment of connectors**
- _ Speedy calculation of milling paths**
- _ Sinter cushion in thermodynamically optimum design shape for accurately fitting sintering of long-span zirconia restorations**



Intelligent nesting concept according to the VITA Classical shade guide



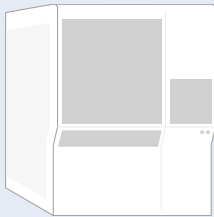
Processing of VITABLOCS® TriLux forte with rendered representation of the shade gradient



Easy positioning of the connector posts on the designs

CERAMILL UNITS - MAXIMUM CAPACITY AND BACK-UP ASSURANCE WITH UP TO 30 MACHINES

NETWORKED WITH
UP TO 30 UNITS



CNC Single Multi Disk
Output / day: 144 units



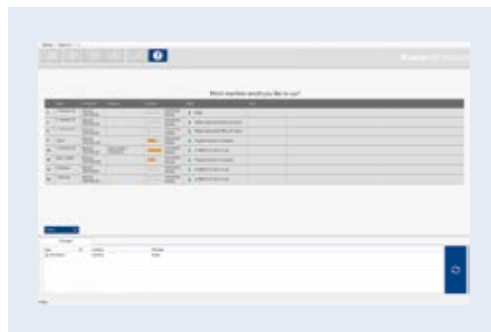
Rack of Ceramill Units - individually controllable via only one computer
Output / day: 270 units



Single Multi Disk disadvantages:

No parallel milling possible, production downtime with failure of the system, capacity is difficult to gauge, contamination of the different materials due to only one milling chamber.

- _ **Massive increase in productivity due to parallel milling**
- _ **Mill/grind different materials/indications at the same time**
- _ **No complete failure of the system possible**
- _ **Capacity can be gauged cost-effectively (in both directions)**
- _ **USB network up to 30 units - controllable via only one computer**



Parallel milling of several Ceramill Units



Milling of different materials and indications possible

SERVER SOLUTION FOR LINKING CERAMILL WORKSTATIONS

Ceramill Mindserve is a data server for networking several Ceramill CAD/CAM workstations. The Ceramill Mindserve is available as a 2 or 4 terabyte version and stores 15,000 or 30,000 data records - an external hard drive automatically ensures reliable data back-up in a 24 hour tact. The compact server links up to 10 Ceramill workstations using a conventional network connection and thus enables easy, central management of customer data as well as streamlining workflows. Different patient cases can be simultaneously processed via several workstations, which achieves optimum utilisation of the machines and efficient handling of orders.



- _ Easy, efficient management of customer data, complaints etc.**
- _ Easy installation using Plug&Play connection***
- _ Automatic back-up on additional external hard drive**
- _ 2TB/4TB hard drive enables archiving and securing of up to 15,000/30,000 data records**
- _ Certified hard drives mirrored in real time**
- _ Networking of up to 10 Ceramill workstations for optimum utilisation of the machines**

* assuming the customer's IT administrator provides the system requirements

CERAMILL CAD/CAM MATERIAL

Zirconia

≡ ceramill® zolid fx	68
≡ ceramill® zolid	70
≡ ceramill® zi	71
≡ ceramill® therm 3	72

CoCr Sinter metal

≡ ceramill® sintron	73
≡ ceramill® argotherm 2 / argovent	75

GREATER VARIETY WITH ZIRCONIA -
MULTI-INDICATIVE, HIGHLY AESTHETIC, RELIABLE.



Zircon oxide is an integral part of modern dentistry. In addition to its excellent biocompatibility, the stability, durability and aesthetics of the high-performance ceramic material are also impressive. The multi-indicative zircon-oxide from Amann Girrbach, however, not only meets the high-quality mechanical and optical properties but also satisfies the need for reliable and economical processing. The zircon oxide blanks from the Ceramill system are therefore not individual products, but part of a complete system solution in which the zircon oxide is coordinated with a compact, clear range of colouring liquids and stains.

ONE SYSTEM - ALL POSSIBILITIES.

	 LOW TRANSLUCENCY ceramill® zi	 HIGH TRANSLUCENCY ceramill® zolid	 SUPER HIGH TRANSLUCENCY ceramill® zolid fx
Multilayer (with natural shade gradient)			 Ceramil Zolid FX Multilayer
Preshade (pre-stained)		 Ceramil Zolid Preshades	 Ceramil Zolid FX Preshades
White (white)	 Ceramil ZI White	 Ceramil Zolid White	 Ceramil Zolid FX White

EFFICIENCY →

TRANSLUCENCY →

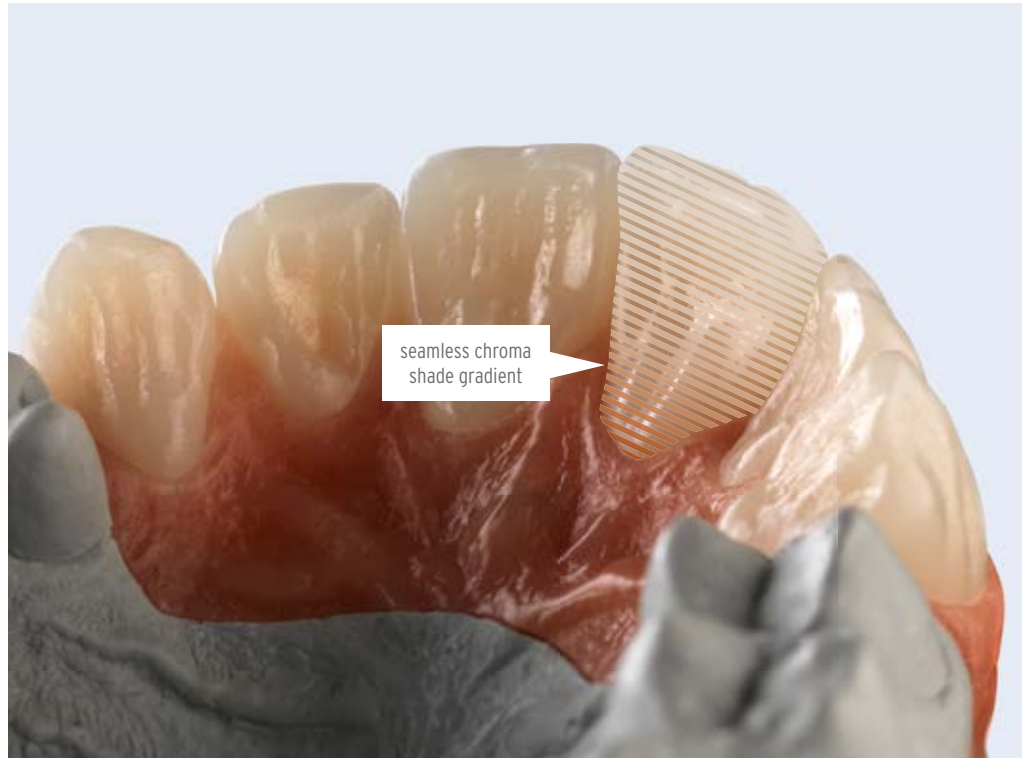
Typical indications	<ul style="list-style-type: none"> _Anatomically reduced crowns and 4-unit to multi-unit bridge frameworks _Customised abutments on titanium bases _Multi-unit, screw-retained restorations on titanium bases 	<ul style="list-style-type: none"> _Fully anatomical crowns and 4-unit to multi-unit bridges _Anatomically reduced crowns and 4-unit to multi-unit bridge frameworks _Multi-unit, screw-retained restorations on titanium bases 	<ul style="list-style-type: none"> _Fully anatomical crowns and bridges (max. 3-unit extending to the molar region) _Anatomically reduced crowns and bridge frameworks (max. 3-unit extending to the molar region) _Veneers, inlays, onlays
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- _ Wide range of indications and customisation thanks to white and pre-stained blanks in different levels of translucency
- _ Finely coordinated shade concepts according to the VITA classical shade guide guarantee accurate, reproducible results
- _ Material-specific milling strategies enable highly precise, yet easy processing
- _ Inhouse blank production according to strict manufacturing standards ensures an excellent and constant high-quality standard
- _ Extensive training opportunities for processing Ceramill Zirconia

POLYCHROMATIC, SUPER-HIGH TRANSLUCENT ZIRCONIA

Ceramill Zolid FX Multilayer is a polychromatic, super-high translucent zirconia with integrated shade and translucency gradient. Smooth shade transitions simulate tooth enamel, dentin and cervical shades in a naturally fluent progression without disruptive shade edges. The tooth-like preshading allows efficient, economical processing without the staining procedure.

Restorations can be further customized after sintering to achieve more aesthetic results using stains and glazing porcelains of the Ceramill Stain & Glaze kit.



- _ Continuous shade and translucency gradient for smooth shade transitions without shade edges, and natural aesthetics**
- _ High bending strength in comparison with glass-ceramics enables fabrication of up to 3-unit bridges, including in the molar region**
- _ Intelligent nesting concept guarantees accurate matching of the VITA shades and economic working in the lab**

More about Ceramill Zolid FX Multilayer at www.amanngirrbach.com/downloads



Ceramill Zolid FX Multilayer blanks



Ceramill Stain & Glaze stains and glaze porcelains for final aesthetic customization

SUPER HIGH-TRANSLUCENT ZIRCONIA (SHT)

Ceramill Zolid FX are white and preshaded super high-translucent zirconia blanks used for monolithic or anatomically reduced anterior premium restorations and up to 3-unit bridges in the molar region. The excellent translucent values of the high-performance ceramic make it a strong alternative to lithium disilicate without having to do without the outstanding technical characteristics of zirconia. The result is highly aesthetic restorations with long-term strength and stability. The material is processed and used intraorally without additional expense in the same way as with zirconia restorations with the use of commercially available luting material.



- _ Super-high translucent zirconia for highly aesthetic results in the anterior and posterior regions**
- _ High flexural strength in comparison with glass ceramics allows fabrication of up to 3-unit bridges, including in the molar region**
- _ Ingenious shade concept according to the VITA classical shade guide for maximum customisation of Ceramill Zolid FX White restorations**
- _ Shade and process reliability due to pre-stained blanks ensure easy, time-saving processing**

More about Ceramill Zolid FX at
www.amannbirnbach.com/downloads



White and pre-stained Ceramill Zolid FX White and Preshade



Ceramill Liquid FX colouring solutions for Ceramill Zolid FX White



Ceramill Stain & Glaze stain and glaze materials for final aesthetic customisation

HIGH TRANSLUCENT ZIRCONIA (HT)

Ceramill Zolid White produces highly aesthetic restorations with comparatively little customisation. Specially developed colouring liquids enable easy, accurate staining in the 16 VITA classical tooth shades and provide the perfect foundation for subsequent customisation using Ceramill Stain & Glaze and/or veneering porcelain. Restorations fabricated using Ceramill Zolid Classic, which can be used for fully anatomical or anatomically reduced restorations, are impressive due to their light dynamics, depth effect and natural aesthetics.

Homogeneously pre-stained Ceramill Preshade blanks, which can be directly sintered without staining, are available for extremely economic and efficient results.



_ High translucent zirconia with high strength for aesthetic restorations in the anterior and posterior regions as well as long-span bridges

_ Compact, coordinated shade concept according to the VITA classical shade guide provides maximum customisation using Ceramill Liquids "new formula" for Ceramill Zolid White

_ Economic, process reliable results due to pre-stained Preshade blanks ensure time-saving processing

More about Ceramill Zolid at
www.amannirrbach.com/downloads



White and pre-stained Ceramill Zolid White and Preshade



Ceramill Liquid colouring solutions for Ceramill Zolid White



Ceramill Stain & Glaze stain and glaze materials for final aesthetic customisation

LOW TRANSLUCENT ZIRCONIA (LT)

High strength, rigidity and biocompatibility are outstanding characteristics of Ceramill ZI. The presintered zirconia blanks have an exceptionally high flexural strength of up to 1200 MPa (3-point bending strength) and can be easily processed thanks to their optimum edge stability. With an opacity of approx. 70% Ceramill ZI is ideal for indications in which discoloured tooth preparations or metal structures must be masked. It is also ideal for the fabrication of crowns and bridges in the anterior and posterior regions, customised abutments, and multi-unit, screw-retained restorations on titanium bases. Ceramill ZI frameworks can be customised individually with the Ceramill Colouring Liquids using the immersion or brush technique.



- _ Its high flexural strength values makes it ideal for long-span frameworks
- _ Optimum edge stability and millability
- _ High biocompatibility, strength and rigidity
- _ Customisable using Ceramill Liquid colouring liquids

More about Ceramill ZI at
www.amanngirrbach.com/downloads



White Ceramill ZI White



Ceramill Colouring Liquids for Ceramill ZI



Ceramill Stain & Glaze stain and glaze materials for final aesthetic customisation

FULLY AUTOMATIC HIGH-PERFORMANCE FURNACE FOR FINAL SINTERING OF DISTORTION-FREE ZIRCONIA FRAMEWORKS

Using the Ceramill Therm 3 high-temperature furnace zirconia frameworks obtain their final density and the resulting, outstanding material characteristics. For sintering, the objects are placed onto sintering beads, which ensures a frictionless sintering process and thus distortion-free frameworks. The Ceramill Therm 3 offers high process reliability due to constant temperature control and homogeneous temperature distribution in the firing chamber. As a result of this, the user is able to safely control if the final density and thus strength of the frameworks has been achieved.

Users have 250 available sintering programme spaces, 3 of which are already pre-programmed with validated AG sintering programmes.



- _ High process reliability due to constant temperature control, homogeneous temperature distribution in the firing chamber**
- _ Maximum process reliability due to optimally coordinated, fully-automated sintering programmes for different restoration sizes**
- _ 250 sintering programme spaces, 3 of which are validated AG programmes**
- _ 3 stackable sintering bowls for maximum utilisation of the furnace**
- _ Minimum required space and installation time (supply required)**
- _ Sintering at the press of a button - very easy operation with touch-screen technology**
- _ Clear display of the sinter curve and sinter status**



The Ceramill Therm 3 has a large sintering chamber volume in which 3 sinter trays can be stacked on one another for optimum utilisation of the furnace. With the aid of the sinter forceps, the sinter shell can be transferred easily and safely in and out of the furnace.

MILL CoCr - AS EASILY AS WAX.

High innovation strength is incorporated in the Ceramill Sintron CoCr sinter metal. The non-precious metal revolutionises the manufacturing process, as the wax-like texture of the Ceramill Sintron blanks allows them to be effortlessly dry milled on inhouse benchtop machines such as the Ceramill Motion. The labour-intensive and error-prone casting procedure and therefore time-consuming manual working stages are no longer required. The sinter process is also extremely easy: the press of a button is sufficient for producing a framework with excellent structure quality. Maximum process reliability produces homogeneous, distortion-free frameworks without contraction cavities. Using the new Ceramill Sintron it is possible to achieve predictable, reproducible fit and framework quality.

Ceramill Sintron can be veneered using any CoCr framework porcelain.



- _ Effortless dry milling on benchtop machines due to "wax-like" texture of the blanks**
- _ Maximum convenience - homogeneous, distortion-free restorations that can be easily reworked in the green state**
- _ Predictable, reproducible fit and framework quality thanks to the digital processing technique**



Ceramill Sintron was developed in collaboration with the Fraunhofer IFAM Dresden.

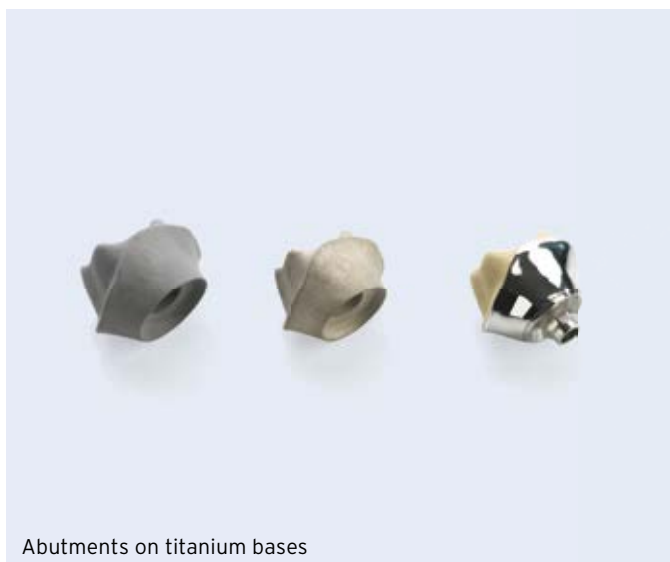


Ceramill Float Sintering



Amann Girrbach has developed a special zircon oxide float sintering disk for the fabrication of long-span bridges. Support pins and sintering bars on the restoration keep the framework stable during sintering and ensure predictable, accurate results.

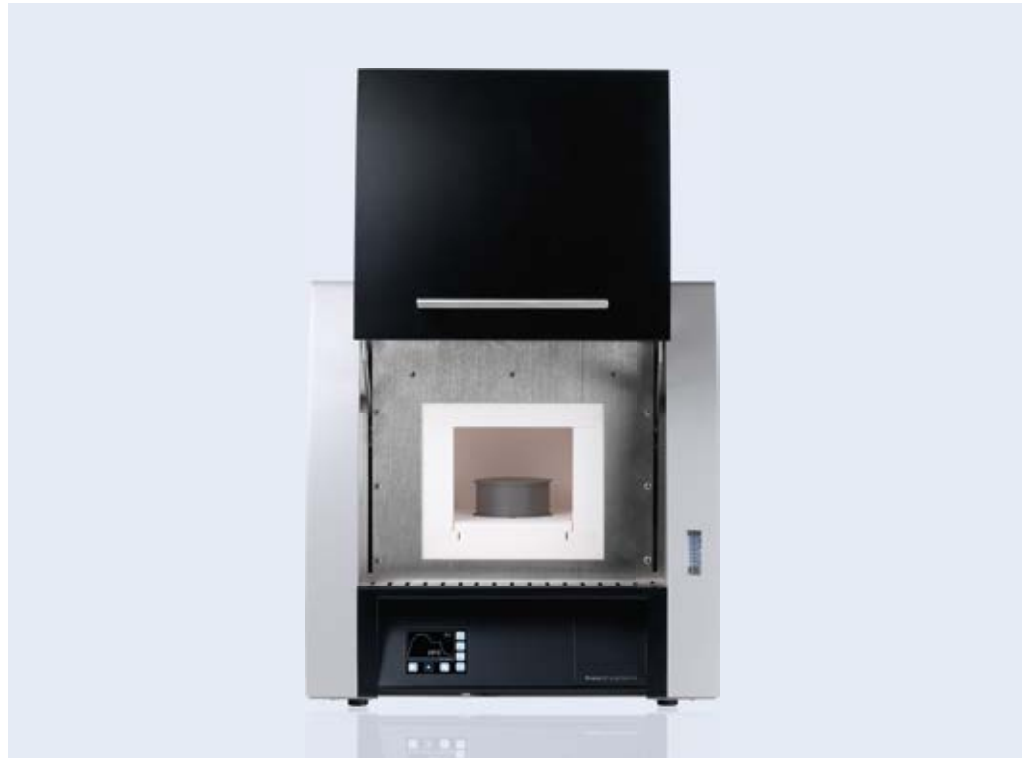
CERAMILL SINTRON INDICATION OVERVIEW



SHIELDING GAS SINTER FURNACE AND FLOOD CHAMBER FOR CERAMILL SINTRON

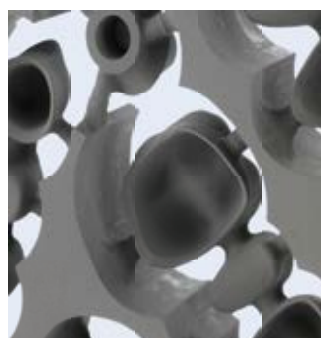
The CoCr sintering furnace Ceramill Argotherm 2 is an integral part of a system with optimally coordinated components for processing the sinter metal Ceramill Sintron. Only the perfect adaptation of sinter metal, processing in the CAD/CAM system and completion in the sintering furnace ensure consistently high material quality - especially if it involves the mechanical properties and (micro-) structure of the finished restoration. Easy to operate at the press of a button, the Ceramill Argotherm 2 controls the sinter programme of the milled CoCr units.

The "core" of the system, the removable Ceramill Argovent sinter chamber, ensures minimal consumption of argon gas and homogeneous, distortion-free sintering of the restorations.

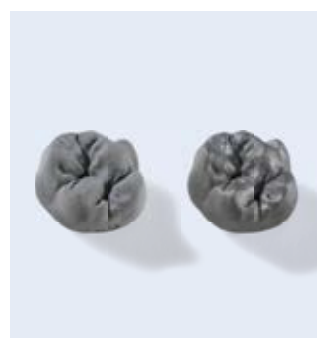


- _ Controls the sinter programme, which was specially developed for Ceramill Sintron**
- _ Perfect shielding gas flushing at the sinter framework**
- _ Coordinated system guarantees a constant high quality of the restoration**
- _ Sintering at the press of a button - very easy operation using touch-screen technology**
- _ Minimal shielding gas consumption**
- _ Active compressed-air, gas monitoring and cooling after sintering**

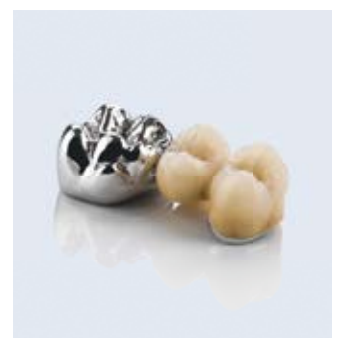
More about Ceramill Sintron at
www.amanngirrbach.com/downloads



Ceramill Sintron-blanks
before sintering process



Restoration milled from Ceramill
Sintron with and without polishing



Veneered and polished
Ceramill Sintron restoration





ORDER INFORMATION



Artex articulator

218760	Artex Typ CR	
218730	Artex Arcon clip	
217330	Model Plate blue (pair)	
217331	Model Plate blue	50 / pkg.
215250	Retention Disks	100 / pkg.
299991	Individual engraving on Artex	
217333	Support pin C screwable	



Splitex Keys

216010C	Splitex Key for Artex, 126 mm, C-Version	
216010	Splitex Key for Artex, 116 mm	
216011	Splitex Spacer Plate +10 mm (required for new serial 126 mm)	

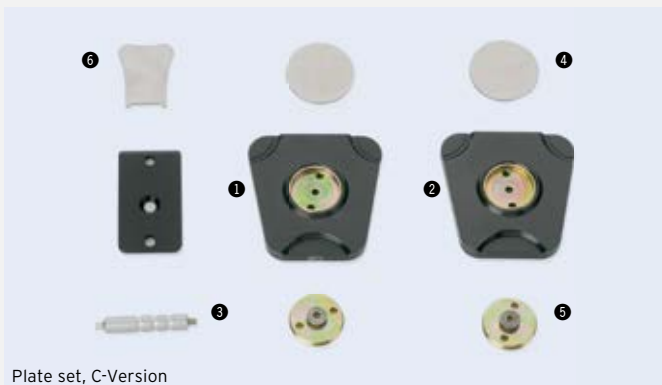


Plate set, C-Version



Mounting tool

Splitex Disc Set

216100C	① - ⑦ Splitex Plate Set, C-version	
216100	Splitex Plate Set (without picture)	
216110C	① Splitex Base Plate (TOP) without magnet	
216120C	② Splitex Adjust. Plate mandibular without magnet	
216160	③ 1 Magnet Removal Pin	2 / pkg.
216150	④ Retention Disks (Set: 2 pcs. included)	100 / pkg.
216111C	⑤ Splitex Magnet (Set: 2 pcs. included)	
216112C	⑥ Assembly wrench	
216170	Splitex Screws max. / mand.	2 / pkg.
216140	Splitex Magnets	6 pcs.

216113C	⑦ Mounting tool for magnetic holder	
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Splitex Counter Plate

The shock-resistant plastic material reliably adapts the Splitex plinth plate without distortion. Both plates are suitable for multiple use. The Premium quality (white) offers a higher accuracy (<10µm!).

_Always available for quick, precise adaptation at the plinth plate
_Prevents the risk of ill fit since no plaster expansion takes place
_Tight, even model fixation, but nevertheless allowing safe removal and reposition

216230	Premium white	10 / pkg.
216235	Classic black	100 / pkg.
216150	Retention Disks Ø 36.5 x 1.5 for Splitex	100 / pkg.



Ceramill Transferkit

Loss-free transfer of patient data into the Ceramill Map300/400. Digitalisation of model situation in Splitex precision.

179113	Ceramill Fixator	
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Technical Data

Dimension: 250 x 183 x 370 mm
Weight: 9.6 kg
Mains supply:
230(100/115)V/0.32W
Motor speed: 2.800 min⁻¹
Laser class: 3A < 5mW

Giroform Pin Drill

176701	Giroform Pin Drill
Delivery volume: Tungsten carbide burr 176710, Universal plate holder 176713, impression carrier 176733, Tubular socket wrench 176702, holding pin 176703, screw driver for adjustment 176004	
176710	Giroform-Tungsten Carbide Burr
176713	Universal plate holder
176733	Giroform-Impression carrier



Giroform Starter Kit

576702	Giroform Starter Kit	
176710	❶ Tungsten carbide burr	
176733	❷ Impression Carrier 2x	
321070	❸ NT-Cutter	
359010	❹ Hammer with Aluminium handle	
576450	❺ Giroform Pins	1,000 / pkg.
576461	❻ Giroform Putty	1 kg
576710	❼ Giroform Base Plate Premium +	100 / pkg.
5767501	❽ Giroform Secondary Plate XL with metal disc	5 / pkg.
576765	❾ Adjustment Plate clear	2 / pkg.
576950	❿ Giroform sleeve "kombi"	
576805	⓫ Giroform space retainer foil	50 / pkg.
815300	⓬ Arbor band mandrel 2.35 mm	
815330	⓭ Arbor band, grain 120	50 / pkg.
990252	⓮ Timer	



Giroform Base Plates, 100 pcs.

576710	❶ Giroform Premium+ L (metal disc included)	
576745	Giroform Premium+ XL (metal disc included)	
576720	❷ Giroform Classic L	
576740	Giroform Classic XL	
576726	❸ Giroform Classic L blue	
576765	❹ Giroform Adjustment Plate L	2 pcs.
576766	Giroform Adjustment Plate XL	2 pcs.



Giroform Secondary Plate

576750	L with metal disc	50 pcs.
576751	XL with metal disc	50 pcs.



Giroform Pins

576450	Giroform Pins	1,000 / pkg.
576451	Giroform Pins	10,000 / pkg.

Technical Data:



Ceramill	Map200	Map400	
Art.Nr.	179130N	179140N	
Dimensions D/W/H (mm)	390 x 360 x 310	465 x 515 x 585	
Weight (kg)	31	35	
Power supply (V/A)	230/3.15 100-240 / 50-60Hz	100-240 / 50-60Hz	
E-fuse	T3.15A / 2 x 1.6	T 2 x 1.6 A	
Output (W)	60	80	
Compressed air connection			
Engine speed (U/min¹)			
Torque (Ncm)			
Collet chuck (Ø mm)			
Sound level (max. dbA)			
Accuracy (µm)	< 6	< 6	
Axes	2	2	
Recommended installation site	Table, no direct sunlight	Table, no direct sunlight	
Recommended temperature (°C)	18-30°C	15-30°C	

Systemvoraussetzungen:

- _ Internet connection (minimum DSL) to guarantee data transmission to the M-Center and remote maintenance of the system.
- _ Flat rate is recommended
- _ A network cable for connecting the router / modem and PC.
- _ An Internet connection must be available on the day of installation. If the customer does not know how to create an internet connection, it must be ensured that an Internet specialist is on site on the day of installation. AG will not connect the system to an already existing network at the customer.
- _ The customer must guarantee maintenance and any problem solving relating to the network / Internet connection.



PC technical data

(may change depending on the development status)

Processor speed/model	Intel Xeon
Memory	16 GB RAM
Hard drive	1 TB
Graphics	NVIDIA Quadro M2000
Operating system	Windows 10
Display/Resolution pixel	22 inch / 1680x1050
Recommended installation site	away from the floor, not on the wall



Ceramill Scanmarker

Ceramill Scanmarker is a powder spray that is applied to the surface of models or teeth to improve their visual characteristics when using a camera or scanner in the CAD/CAM technique. Suitable for extra-oral use.

760562 Ceramill Scanmarker 50ml



IntelliScan

- _ Scanning the IntelliCode automatically transfers all relevant blank information to the Match software
- _ Easy finding of blanks already created in the database

179195 IntelliScan

Requirement: Ceramill Match 2



	Mikro 4X	Mikro 5X	Mikro IC	Motion 2 5X
	179300N	179330N	179600N	179250N
	465 x 515 x 585	465 x 515 x 585	465 x 580 x 585	595 x 530 x 780
	50	50	70	78
	100-230 V / 50-60Hz	100-230 V / 50-60Hz	100-230 V / 50-60Hz	100-230 V / 50-60Hz
	T3.15A / T6.3A	T3.15A / T6.3A	T3.15A / T6.3A	T3.15A / T6.3A
	250	250	750	750
	6 bar 50 L/min	6 bar 50 L/min	6 bar 50 L/min	6 bar 50 L/min
	60,000	60,000	100,000	100,000
	4	4	9.2	9.2
	3	3	3	3
	60	60	60	60
	<10	<10	<10	<10
	4	5	4	5
	18-30°C	18-30°C	18-30°C	18-30°C



Ceramill MultiCap

Upgrade for Ceramill Map400

179115 Ceramill MultiCap



Ceramill Mind
CAD Software Base version

179150 Ceramill Mind



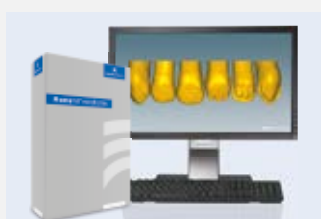
Ceramill Artex
Upgrade for Ceramill Mind

179151 Ceramill Artex



Ceramill Mindforms 2.0 by Knut Miller incl. tooth mould book
Upgrade for Ceramill Mind

179700 Ceramill Mindforms 2.0 by Knut Miller incl. tooth mould book



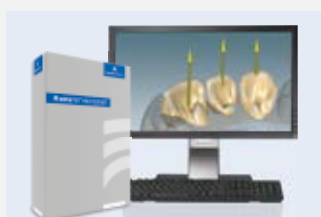
Ceramill Mindforms Cut-back Extension by Knut Miller
Upgrade for Ceramill Mind (Upgrade for Knut Miller library existing customers)

179701 Ceramill Mindforms Cut-back Extension by Knut Miller



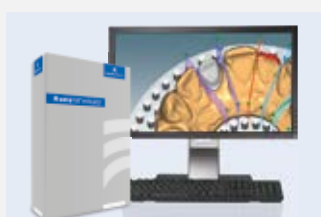
Ceramill M-Splint²
Upgrade for Ceramill Mind

179165 Ceramill M-Splint²



Ceramill Microshell²
Upgrade for Ceramill Mind

179148 Ceramill Microshell²



Ceramill M-Build²
Upgrade for Ceramill Mind

179167 Ceramill M-Build²





Ceramill Mind Trusmile

Upgrade for Ceramill Mind

179155 Ceramill Mind Trusmile



Ceramill M-Plant

Upgrade for Ceramill Mind

179152 Ceramill M-Plant



Ceramill M-Gin

Upgrade for Ceramill Mind

179145 Ceramill M-Gin



Ceramill M-Bars²

Upgrade for Ceramill Mind

179166 Ceramill M-Bars²



Ceramill Dicom Viewer¹

Upgrade for Ceramill Mind

179146 Ceramill Dicom Viewer¹



Ceramill D-Flow²

Upgrade for Ceramill Mind

179147 Ceramill D-Flow²

¹ Graphics card with min. 2 GB RAM required (already integrated in the PC Modell T3610)

² Win7



Blank holder Ceramill material 71

for Ceramill Motion 2 and Ceramill Mikro (4X/5X)

179252	Blank holder 71 Motion 2 (5X)
179186	Blank holder 71 Motion 2 (4X) / Mikro (4X)
179332	Blank holder 71 Mikro (5X)



Blank holder Ceramill material 98

for Ceramill Motion 2 and Ceramill Mikro (4X/5X)

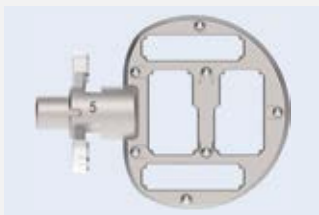
179294	Blank holder 98 Motion 2 (5X)
179295	Blank holder 98 Motion 2 (4X) / Mikro (4X)
179331	Blank holder 98 Mikro (5X)



Blank holder rotational milling

for Ceramill Motion 2 and Ceramill Mikro IC

179278	Blank holder rotational milling Ceramill Motion 2
179614	Blank holder rotational milling Ceramill Mikro IC (incl. 760615 Roto TI 1.0; 760616 Roto TI 2.0; slide gauge)



Blank holder Ceramill D-Set

for Ceramill Motion 2 (5X)

179283	Blank holder denture teeth
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Blank holder Ceramill D-Wax

for Ceramill Motion 2 (5X)

179282	Blank holder denture wax
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Blank holder glass ceramic and hybrid blocks (3-compartment)

for Ceramill Motion 2 (4X/5X)

179260	Blank holder glass ceramic and hybrid blocks (3-compartment)
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Blank holder glass ceramic and hybrid blocks (12-compartment)

for Ceramill Motion 2 (4X/5X)

179290	Blank holder glass ceramic and hybrid blocks (12-compartment)
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Adapter glass and hybrid ceramic blocks (3-compartment) for Ceramill material 71 blank holder

for Ceramill Mikro 4X/5X, Ceramill Motion 2

179245 Adapter for hybrid blocks (3-compartment)



Blank holder glass and ceramic blocks (1-compartment)

for Ceramill Mikro IC

179610 Blank holder grinding (AG mandrel)

179611 Blank holder grinding (universal mandrel)



Roto (for Ceramill Mikro 4X/5X, Ceramill Motion 2)

Cutter for wet and dry processing

760604	Roto 1.0 Cutter with magnet holder	Ø 1.0 mm	1 pc.
760605	Roto 2.5 Cutter with magnet holder	Ø 2.5 mm	1 pc.
760606	Roto 0.6 Cutter with magnet holder	Ø 0.6 mm	1 pc.
760607	Roto 0.3 Cutter with magnet holder	Ø 0.3 mm	1 pc.



Roto Diamond, carving for Ceramill Motion 2 and Ceramill Mikro IC

Diamond rotary instrument for wet processing of glass and hybrid ceramic blocks

760648	Diamond 1.8 S Rotary instrument with magnet holder	Ø 1.8 mm	1 pc.
760649	Diamond 1.4 S Rotary instrument with magnet holder	Ø 1.4 mm	1 pc.
760650	Diamond 1.0 S Rotary instrument with magnet holder	Ø 1.0 mm	1 pc.
760651	Diamond 0.4 S Rotary instrument with magnet holder	Ø 0.4 mm	1 pc.



Roto TI (for Ceramill Mikro IC, Ceramill Motion 2 5X)

Cutter for wet processing of Ceramill TI-Forms

760615	Roto TI 1.0 Cutter with magnet holder	Ø 1.0 mm	1 pc.
760616	Roto TI 2.0 Cutter with magnet holder	Ø 2.0 mm	1 pc.



Roto FDS (for Ceramill Motion 2 5X)

Cutters for Ceramill FDS (full-denture prosthetics)

760630	Roto SF1.2 Green Calibration cutter with magnet holder	Ø 1.2 mm	1 pc.
760631	Roto 1.0 Red Cutter with magnet holder	Ø 1.0 mm	1 pc.
760633	Roto 3.0 Red Cutter with magnet holder	Ø 3.0 mm	1 pc.



Roto M-Build (for Ceramill Mikro 5X, Ceramill Motion 2)

Cutters for Ceramill M-Build (model fabrication)

760640	Roto KF2.5 Red Round bur with magnet holder	Ø 2.5 mm	1 pc.
760641	Roto B2.0 Red Red drill with magnet holder	Ø 2.0 mm	1 pc.
760633	Roto 3.0 Red Cutter with magnet holder	Ø 3.0 mm	1 pc.
760604	Roto 1.0 Cutter with magnet holder	Ø 1.0 mm	1 pc.
760607	Roto 0.3 Cutter with magnet holder	Ø 0.3 mm	1 pc.



Roto DMB DC (for Ceramill Mikro 4X/5X, Ceramill Motion 2)

Diamond-coated milling cutters for dry processing of hybrid ceramic blocks

760608	Roto DMB DC 2.5 - diamond-coated milling cutter with magnet holder	Ø 2.5 mm	1 pc.
760609	Roto DMB DC 1.0 - diamond-coated milling cutter with magnet holder	Ø 1.0 mm	1 pc.
760613	Roto DMB DC 0.6 - diamond-coated milling cutter with magnet holder	Ø 0.6 mm	1 pc.
760614	Roto DMB DC 0.3 - diamond-coated milling cutter with magnet holder	Ø 0.3 mm	1 pc.



Technical Data

Dimensions: 406 x 280 x 423
Weight: 16 kg, Performance: 1000W
Electrical connection values (V/A/Hz):
230/3.6/50-60, 115/7.0/50
Suction Power: 56.6 L/sec., Volume:
max. 52 dbA, Filter bag size: 10 Liter
Hose Ø: 38 mm, Hose length: 1.8 m
Adapter diameter: conical, 37-38 mm
HEPA micro filter (97.97%),
Filter class H12, dust class M

Ceramill Airstream

Suction for Ceramill milling units

178600	Ceramill Airstream 230 V (100-120V = 178600 V100-V120)	
178610	Airstream Suction Bag	5 pc.
178611	Airstream Microfilter	1 pc.



Technical Data

Dimensions: 656 x 518 x 651 mm
Weight: 36 kg
Electrical connection values:
100-230V/T 1.0A / 50-60Hz
Power: 150 W

Ceramill Coolstream

Integrated coolant preparation for Ceramill Motion 2 in the trolley.

178630	Ceramill Coolstream	
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Delivery volume: coolant lubricant container; connector for supply and outlet of the coolant lubricant; product analysis



Ceramill Coolant

178650	Ceramill Coolant	
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Ceramill Zolid FX Multilayer



Ceramill Zolid FX Multilayer

Ceramill Zolid FX Multilayer

Stained, polychromatic SHT zirconia blanks, dental arch

761733	Ceramill Zolid FX ML 0/A1 71 S	h=14mm	1 pc.
761734	Ceramill Zolid FX ML 0/A1 71	h=16mm	1 pc.
761735	Ceramill Zolid FX ML 0/A1 71 L	h=20mm	1 pc.
761737	Ceramill Zolid FX ML A2/A3 71 S	h=14mm	1 pc.
761738	Ceramill Zolid FX ML A2/A3 71	h=16mm	1 pc.
761739	Ceramill Zolid FX ML A2/A3 71 L	h=20mm	1 pc.
761741	Ceramill Zolid FX ML A3.5/A4 71 S	h=14mm	1 pc.
761742	Ceramill Zolid FX ML A3.5/A4 71	h=16mm	1 pc.
761743	Ceramill Zolid FX ML A3.5/A4 71 L	h=20mm	1 pc.
761745	Ceramill Zolid FX ML 0/B1 71 S	h=14mm	1 pc.
761746	Ceramill Zolid FX ML 0/B1 71	h=16mm	1 pc.
761747	Ceramill Zolid FX ML 0/B1 71 L	h=20mm	1 pc.
761749	Ceramill Zolid FX ML B2/B3 71 S	h=14mm	1 pc.
761750	Ceramill Zolid FX ML B2/B3 71	h=16mm	1 pc.
761751	Ceramill Zolid FX ML B2/B3 71 L	h=20mm	1 pc.
761753	Ceramill Zolid FX ML B3/B4 71 S	h=14mm	1 pc.
761754	Ceramill Zolid FX ML B3/B4 71	h=16mm	1 pc.
761755	Ceramill Zolid FX ML B3/B4 71 L	h=20mm	1 pc.
761757	Ceramill Zolid FX ML C1/C2 71 S	h=14mm	1 pc.
761758	Ceramill Zolid FX ML C1/C2	h=16mm	1 pc.
761759	Ceramill Zolid FX ML C1/C2 71 L	h=20mm	1 pc.
761761	Ceramill Zolid FX ML C3/C4 71 S	h=14mm	1 pc.
761762	Ceramill Zolid FX ML C3/C4	h=16mm	1 pc.
761763	Ceramill Zolid FX ML C3/C4 71 L	h=20mm	1 pc.
761765	Ceramill Zolid FX ML D2/D3 71 S	h=14mm	1 pc.
761766	Ceramill Zolid FX ML D2/D3	h=16mm	1 pc.
761767	Ceramill Zolid FX ML D2/D3 71 L	h=20mm	1 pc.
761769	Ceramill Zolid FX ML D3/D4 71 S	h=14mm	1 pc.
761770	Ceramill Zolid FX ML D3/D4	h=16mm	1 pc.
761771	Ceramill Zolid FX ML D3/D4 71 L	h=20mm	1 pc.

Stained, polychromatic SHT zirconia blanks, round

761776	Ceramill Zolid FX ML 0/A1 98x14 N	h=14mm	1 pc.
761777	Ceramill Zolid FX ML 0/A1 98x16 N	h=16mm	1 pc.
761778	Ceramill Zolid FX ML 0/A1 98x20 N	h=20mm	1 pc.
761780	Ceramill Zolid FX ML A2/A3 98x14 N	h=14mm	1 pc.
761781	Ceramill Zolid FX ML A2/A3 98x16 N	h=16mm	1 pc.
761782	Ceramill Zolid FX ML A2/A3 98x20 N	h=20mm	1 pc.
761784	Ceramill Zolid FX ML A3.5/A4 98x14 N	h=14mm	1 pc.
761785	Ceramill Zolid FX ML A3.5/A4 98x16 N	h=16mm	1 pc.
761786	Ceramill Zolid FX ML A3.5/A4 98x20 N	h=20mm	1 pc.
761788	Ceramill Zolid FX ML 0/B1 98x14 N	h=14mm	1 pc.
761789	Ceramill Zolid FX ML 0/B1 98x16 N	h=16mm	1 pc.
761790	Ceramill Zolid FX ML 0/B1 98x20 N	h=20mm	1 pc.
761792	Ceramill Zolid FX ML B2/B3 98x14 N	h=14mm	1 pc.
761793	Ceramill Zolid FX ML B2/B3 98x16 N	h=16mm	1 pc.
761794	Ceramill Zolid FX ML B2/B3 98x20 N	h=20mm	1 pc.
761796	Ceramill Zolid FX ML B3/B4 98x14 N	h=14mm	1 pc.
761797	Ceramill Zolid FX ML B3/B4 98x16 N	h=16mm	1 pc.
761798	Ceramill Zolid FX ML B3/B4 98x20 N	h=20mm	1 pc.
761800	Ceramill Zolid FX ML C1/C2 98x14 N	h=14mm	1 pc.
761801	Ceramill Zolid FX ML C1/C2 98x16 N	h=16mm	1 pc.
761802	Ceramill Zolid FX ML C1/C2 98x20 N	h=20mm	1 pc.
761804	Ceramill Zolid FX ML C3/C4 98x14 N	h=14mm	1 pc.
761805	Ceramill Zolid FX ML C3/C4 98x16 N	h=16mm	1 pc.
761806	Ceramill Zolid FX ML C3/C4 98x20 N	h=20mm	1 pc.
761808	Ceramill Zolid FX ML D2/D3 98x14 N	h=14mm	1 pc.
761809	Ceramill Zolid FX ML D2/D3 98x16 N	h=16mm	1 pc.
761810	Ceramill Zolid FX ML D2/D3 98x20 N	h=20mm	1 pc.
761812	Ceramill Zolid FX ML D3/D4 98x14 N	h=14mm	1 pc.
761813	Ceramill Zolid FX ML D3/D4 98x16 N	h=16mm	1 pc.
761814	Ceramill Zolid FX ML D3/D4 98x20 N	h=20mm	1 pc.



Ceramill Zolid FX Multilayer Starter Kit

Stained, polychromatic SHT zirconia blanks, dental arch

760022 Ceramill Zolid FX Multilayer Starter Kit			
760030	Ceramill Zolid FX ML 71	h=16 mm	1 pc.
761734	Ceramill Zolid FX ML O/A1 71	h=16 mm	1 pc.
761738	Ceramill Zolid FX ML A2/A3 71	h=16 mm	1 pc.
761746	Ceramill Zolid FX ML O/B1 71	h=16 mm	1 pc.
761750	Ceramill Zolid FX ML B2/B3 71	h=16 mm	1 pc.
875509	Ceramill Polish - Dent Kit		1 pc.
875500	Ceramill Polish - Lab Kit		1 pc.



Ceramill Zolid FX Multilayer Starter Kit

Stained, polychromatic SHT zirconia blanks, round

760031 Ceramill Zolid FX ML 98 Starter Kit			
761777	Ceramill Zolid FX ML O/A1 98x16 N	h=16 mm	1 pc.
761781	Ceramill Zolid FX ML A2/A3 98x16 N	h=16 mm	1 pc.
761789	Ceramill Zolid FX ML O/B1 98x16 N	h=16 mm	1 pc.
761793	Ceramill Zolid FX ML B2/B3 98x16 N	h=16 mm	1 pc.
875509	Ceramill Polish - Dent Kit		1 pc.
875500	Ceramill Polish - Lab Kit		1 pc.



Ceramill Zolid FX Preshade bleach



Ceramill Zolid FX Preshade bleach



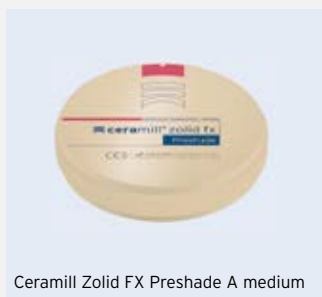
Ceramill Zolid FX Preshade A light



Ceramill Zolid FX Preshade A light



Ceramill Zolid FX Preshade A medium



Ceramill Zolid FX Preshade A medium



Ceramill Zolid FX Preshade B light



Ceramill Zolid FX Preshade B light

Ceramill Zolid FX Preshades

Preshaded SHT zirconia blanks, dental arch shape

761501	Ceramill Zolid FX PS bleach 71 S	h=14 mm	1 pc.
761502	Ceramill Zolid FX PS bleach 71	h=16 mm	1 pc.
761504	Ceramill Zolid FX PS bleach 71 L	h=20 mm	1 pc.
761506	Ceramill Zolid FX PS A light 71 S	h=14 mm	1 pc.
761507	Ceramill Zolid FX PS A light 71	h=16 mm	1 pc.
761509	Ceramill Zolid FX PS A light 71 L	h=20 mm	1 pc.
761511	Ceramill Zolid FX PS A medium 71 S	h=14 mm	1 pc.
761512	Ceramill Zolid FX PS A medium 71	h=16 mm	1 pc.
761514	Ceramill Zolid FX PS A medium 71 L	h=20 mm	1 pc.
761516	Ceramill Zolid FX PS B light 71 S	h=14 mm	1 pc.
761517	Ceramill Zolid FX PS B light	h=16 mm	1 pc.
761519	Ceramill Zolid FX PS B light L	h=20 mm	1 pc.
761526	Ceramill Zolid FX PS C light 71 S	h=14 mm	1 pc.
761527	Ceramill Zolid FX PS C light	h=16 mm	1 pc.
761529	Ceramill Zolid FX PS C light L	h=20 mm	1 pc.
761536	Ceramill Zolid FX PS D light 71 S	h=14 mm	1 pc.
761537	Ceramill Zolid FX PS D light	h=16 mm	1 pc.
761539	Ceramill Zolid FX PS D light L	h=20 mm	1 pc.

Preshaded SHT zirconia blanks, round

761551	Ceramill Zolid FX PS bleach 98x14 N	h=14 mm	1 pc.
761552	Ceramill Zolid FX PS bleach 98x16 N	h=16 mm	1 pc.
761554	Ceramill Zolid FX PS bleach 98x20 N	h=20 mm	1 pc.
761556	Ceramill Zolid FX PS A light 98x14 N	h=14 mm	1 pc.
761557	Ceramill Zolid FX PS A light 98x16 N	h=16 mm	1 pc.
761559	Ceramill Zolid FX PS A light 98x20 N	h=20 mm	1 pc.
761561	Ceramill Zolid FX PS A medium 98x14 N	h=14 mm	1 pc.
761562	Ceramill Zolid FX PS A medium 98x16 N	h=16 mm	1 pc.
761564	Ceramill Zolid FX PS A medium 98x20 N	h=20 mm	1 pc.
761566	Ceramill Zolid FX PS B light 98x14 N	h=14 mm	1 pc.
761567	Ceramill Zolid FX PS B light 98x16 N	h=16 mm	1 pc.
761569	Ceramill Zolid FX PS B light 98x20 N	h=20 mm	1 pc.
761576	Ceramill Zolid FX PS C light 98x14 N	h=14 mm	1 pc.
761577	Ceramill Zolid FX PS C light 98x16 N	h=16 mm	1 pc.
761579	Ceramill Zolid FX PS C light 98x20 N	h=20 mm	1 pc.
761586	Ceramill Zolid FX PS D light 98x14 N	h=14 mm	1 pc.
761587	Ceramill Zolid FX PS D light 98x16 N	h=16 mm	1 pc.
761589	Ceramill Zolid FX PS D light 98x20 N	h=20 mm	1 pc.





Ceramill Zolid FX White

SHT zirconia blank, dental arch shape

760122	Ceramill Zolid FX 71 XS	h=12 mm	1 pc.
760123	Ceramill Zolid FX 71 S	h=14 mm	1 pc.
760124	Ceramill Zolid FX 71	h=16 mm	1 pc.
760125	Ceramill Zolid FX 71 M	h=18 mm	1 pc.
760126	Ceramill Zolid FX 71 L	h=20 mm	1 pc.
760127	Ceramill Zolid FX 71 XL	h=25 mm	1 pc.

SHT zirconia blanks, round

760130	Ceramill Zolid FX 98x12 N	h=12 mm	1 pc.
760131	Ceramill Zolid FX 98x14 N	h=14 mm	1 pc.
760132	Ceramill Zolid FX 98x16 N	h=16 mm	1 pc.
760133	Ceramill Zolid FX 98x18 N	h=18 mm	1 pc.
760134	Ceramill Zolid FX 98x20 N	h=20 mm	1 pc.



Ceramill Zolid FX Starter Kit

760022 Ceramill Zolid FX Starter Kit

760123	Ceramill Zolid FX White 14mm	4 pcs.
760124	Ceramill Zolid FX White 16mm	4 pcs.
761400	Ceramill Liquid FX Set	1 pc.
760480	Ceramill Liquid Eye	1 pc.



Ceramill Liquid FX Set

4 Colouring liquids x 100 ml (A2, A3, A3.5, B3) and 4 effect shades x 50 ml (OR, GR, VIO, BL) + tubs + tweezers + Ceramill Liquid Brush (size 1+3, per 1 pc.) + timer

761400 Ceramill Liquid FX Set

Colouring liquids à 100ml:

761401	Ceramill Liquid FX A1
761402	Ceramill Liquid FX A2
761403	Ceramill Liquid FX A3
761404	Ceramill Liquid FX A3.5
761405	Ceramill Liquid FX A4
761406	Ceramill Liquid FX B1
761407	Ceramill Liquid FX B2
761408	Ceramill Liquid FX B3
761409	Ceramill Liquid FX B4
761410	Ceramill Liquid FX C1
761411	Ceramill Liquid FX C2
761412	Ceramill Liquid FX C3
761413	Ceramill Liquid FX C4
761414	Ceramill Liquid FX D2
761415	Ceramill Liquid FX D3
761416	Ceramill Liquid FX D4

Effect shades à 100ml:

761417	Ceramill Liquid FX OR
761418	Ceramill Liquid FX GR
761419	Ceramill Liquid FX RO
761420	Ceramill Liquid FX GIN
761421	Ceramill Liquid FX VIO
761422	Ceramill Liquid FX BL



Ceramill Zolid Preshade bleach



Ceramill Zolid Preshade bleach



Ceramill Zolid Preshade A light



Ceramill Zolid Preshade A light



Ceramill Zolid Preshade A medium



Ceramill Zolid Preshade A medium



Ceramill Zolid Preshade B light



Ceramill Zolid Preshade B light



Ceramill Zolid White



Ceramill Zolid White

Ceramill Zolid Preshades

Preshaded HT zirconia blanks, dental arch shape

760337	Ceramill Zolid PS bleach 71 XS	h=12 mm	1 pc.
760338	Ceramill Zolid PS bleach 71	h=16 mm	1 pc.
760339	Ceramill Zolid PS bleach 71 L	h=20 mm	1 pc.
760340	Ceramill Zolid PS B light 71 XS	h=12 mm	1 pc.
760341	Ceramill Zolid PS B light 71	h=16 mm	1 pc.
760342	Ceramill Zolid PS B light 71 L	h=20 mm	1 pc.
760343	Ceramill Zolid PS A light 71 XS	h=12 mm	1 pc.
760344	Ceramill Zolid PS A light 71	h=16 mm	1 pc.
760345	Ceramill Zolid PS A light 71 L	h=20 mm	1 pc.
760346	Ceramill Zolid PS A medium 71 XS	h=12 mm	1 pc.
760347	Ceramill Zolid PS A medium 71	h=16 mm	1 pc.
760348	Ceramill Zolid PS A medium 71 L	h=20 mm	1 pc.

Preshaded HT zirconia blanks, round

760255	Ceramill Zolid PS bleach 98x12 N	h=12 mm	1 pc.
760257	Ceramill Zolid PS bleach 98x16 N	h=16 mm	1 pc.
760259	Ceramill Zolid PS bleach 98x20 N	h=20 mm	1 pc.
760261	Ceramill Zolid PS B light 98x12 N	h=12 mm	1 pc.
760263	Ceramill Zolid PS B light 98x16 N	h=16 mm	1 pc.
760265	Ceramill Zolid PS B light 98x20 N	h=20 mm	1 pc.
760267	Ceramill Zolid PS A light 98x12 N	h=12 mm	1 pc.
760269	Ceramill Zolid PS A light 98x16 N	h=16 mm	1 pc.
760271	Ceramill Zolid PS A light 98x20 N	h=20 mm	1 pc.
760273	Ceramill Zolid PS A medium 98x12 N	h=12 mm	1 pc.
760275	Ceramill Zolid PS A medium 98x16 N	h=16 mm	1 pc.
760277	Ceramill Zolid PS A medium 98x20 N	h=20 mm	1 pc.

Ceramill Zolid White

HT zirconia blanks, dental arch shape

760162	Ceramill Zolid 71 XS	h=12 mm	1 pc.
760163	Ceramill Zolid 71 S	h=14 mm	1 pc.
760164	Ceramill Zolid 71	h=16 mm	1 pc.
760165	Ceramill Zolid 71 M	h=18 mm	1 pc.
760166	Ceramill Zolid 71 L	h=20 mm	1 pc.
760167	Ceramill Zolid 71 XL	h=25 mm	1 pc.

HT zirconia blanks, round

760252	Ceramill Zolid 98x10 N	h=10 mm	1 pc.
760250	Ceramill Zolid 98x12 N	h=12 mm	1 pc.
760248	Ceramill Zolid 98x14 N	h=14 mm	1 pc.
760246	Ceramill Zolid 98x16 N	h=16 mm	1 pc.
760244	Ceramill Zolid 98x18 N	h=18 mm	1 pc.
760242	Ceramill Zolid 98x20 N	h=20 mm	1 pc.
760240	Ceramill Zolid 98x25 N	h=25 mm	1 pc.





Ceramill Liquid „new formula“

Colouring solutions for Ceramill Zolid White; Contents: A2, A3, A3.5, B3, OR, GR, RO, VIO, Ceramill Dimmer Liquid, small, Ceramill Liquid brush, size 1, Ceramill Liquid brush, size 3, plastic tweezers, eight colour tubs, timer)

760469 Ceramill Liquid „new formula“		
760430	Ceramill Liquid A1	100ml
760432	Ceramill Liquid A2	100ml
760433	Ceramill Liquid A3	100ml
760434	Ceramill Liquid A3.5	100ml
760435	Ceramill Liquid A4	100ml
760436	Ceramill Liquid B1	100ml
760437	Ceramill Liquid B2	100ml
760438	Ceramill Liquid B3	100ml
760439	Ceramill Liquid B4	100ml
760440	Ceramill Liquid C1	100ml
760442	Ceramill Liquid C2	100ml
760443	Ceramill Liquid C3	100ml
760444	Ceramill Liquid C4	100ml
760445	Ceramill Liquid D2	100ml
760446	Ceramill Liquid D3	100ml
760447	Ceramill Liquid D4	100ml



Fasthetix Liquid Starter Essential

for Ceramill Zolid FX White and Ceramill Zolid White
Contents: A1, A2, A3, A3.5, B1, B2, C2, D3, Ceramill Dimmer Liquid, small, Ceramill Liquid Eye blue, Ceramill Liquid brush, size 1, Ceramill Liquid brush, size 3, plastic tweezers, timer

761397 Fasthetix Liquid Starter Essential		
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Fasthetix Liquid Starter

for Ceramill Zolid FX White und Ceramill Zolid White
Contents: 16 A-D Liquids, Ceramill Dimmer Liquid, small, Ceramill Liquid Eye blue, Ceramill Liquid brush, size 1, Ceramill Liquid brush, size 3, plastic tweezers, eight colour tubs, timer

761398 Fasthetix Liquid Starter		
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Ceramill ZI White



Ceramill ZI White

Ceramill ZI White

LT zirconia blanks, dental arch shape

760172	Ceramill ZI 71 XS	h=12mm	1 pc.
760173	Ceramill ZI 71 S	h=14mm	1 pc.
760174	Ceramill ZI 71	h=16mm	1 pc.
760176	Ceramill ZI 71 M	h=18mm	1 pc.
760184	Ceramill ZI 71 L	h=20mm	1 pc.
760175	Ceramill ZI 71 XL	h=25mm	1 pc.

LT zirconia blanks, round

760221	Ceramill ZI CAM 98x14 N	h=14mm	1 pc.
760223	Ceramill ZI CAM 98x16 N	h=16mm	1 pc.
760225	Ceramill ZI CAM 98x18 N	h=18mm	1 pc.
760227	Ceramill ZI CAM 98x20 N	h=20mm	1 pc.
760229	Ceramill ZI CAM 98x25 N	h=25mm	1 pc.



Ceramill Liquid CL for Ceramill ZI White

Colouring liquids à 100ml:

760471	Ceramill Liquid CL1
760472	Ceramill Liquid CL2
760473	Ceramill Liquid CL3
760474	Ceramill Liquid CL4

Effect shades à 100 ml:

760476	Ceramill Liquid CL OR
760477	Ceramill Liquid CL GR

Ceramill Liquid accessories

760449	Ceramill Dimmer Liquid Refill (thinner)	1 pc.
760450	Ceramill Liquid colour tub	10 pcs.
760480	Ceramill Liquid Eye complete set	4 x 25 ml
760478	Ceramill Liquid Brush Size 1	4 pcs.
760479	Ceramill Liquid Brush Size 3	4 pcs.



Ceramill Stain & Glaze Kit

Stains and glaze porcelains for customisation of zirconium oxide

760349 Ceramill Stain & Glaze Kit update, 19 pieces		
760351	Ceramill Stain yellow	4 g
760352	Ceramill Stain orange	4 g
760353	Ceramill Stain blue	4 g
760354	Ceramill Stain grey	4 g
760355	Ceramill Stain white	4 g
760369	Ceramill Stain violett	4 g
760363	Ceramill Stain red	4 g
760364	Ceramill Stain gingiva	4 g
760365	Ceramill Stain brown	4 g
760366	Ceramill Stain eggshell	4 g
760367	Ceramill Stain bleach	4 g
760368	Ceramill Stain dark brown	4 g
760356	Ceramill Stain A	4 g
760357	Ceramill Stain B	4 g
760358	Ceramill Stain C	4 g
760359	Ceramill Stain D	4 g
760360	Ceramill Glaze (glaze porcelain)	4 g
760361	Ceramill Stain & Glaze Working Liquid Liquid for mixing the stain and glaze powders 25 ml	25 ml
760362	Ceramill Stain & Glaze Reflow Liquid Liquid for restoring the initial consistency	8 ml

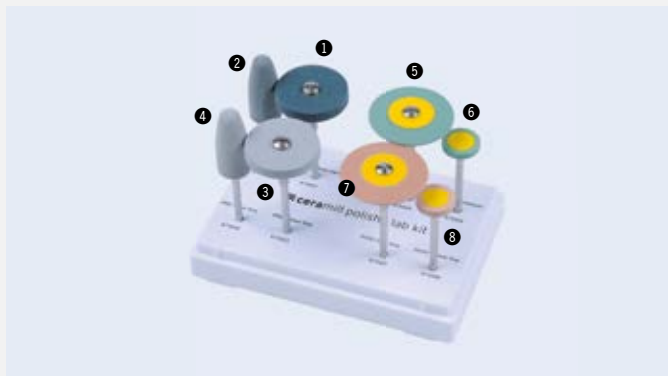


Ceramill Green-State Finishing Kit

Rotary instruments for dental technicians for preparing sintering metal or zirconia in the pre-sintered state

875520 Ceramill Green-State Finishing Kit		
Pack contents: see image		
875521	① Separating cutter for removing from the blank	
875522	② Carbide cutter CX for trimming connector bars	2 pcs.
875523	③ Universal polisher for smoothing the surface	5 pcs.
875524	④ Fissure cutter squared for creating fissures	2 pcs.
875525	⑤ Carbide cutter small for reworking fissures	2 pcs.
875526	⑥ Diamond flame for reworking fissures	5 pcs.
875527	⑦ Diamond parallel for creating labial texture	5 pcs.

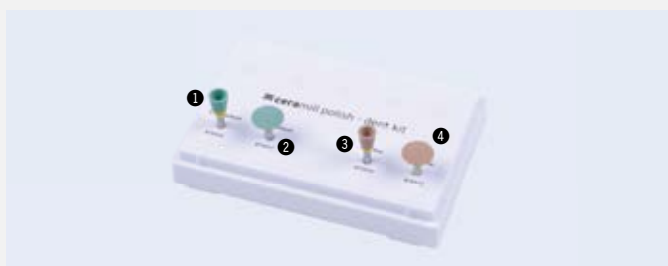




Ceramill Polish - Lab Kit

Zircon oxide-polishing set for the dental technician

875500 Ceramill Polish - Lab Kit		
Delivery includes: see image		
875501	1 PRE-Wheel medium (without mandrel) wheel, grain: medium, before sintering	10 pcs.
875502	2 PRE-Cone medium cone, grain: medium, before sintering	10 pcs.
875503	3 PRE-Wheel fine (without mandrel) wheel, grain: fine, before sintering	10 pcs.
875504	4 PRE-Cone fine cone, grain: fine, before sintering	10 pcs.
875505	5 POST-Disc medium disc, grain: medium, after sintering	2 pcs.
875506	6 POST-Wheel medium wheel, grain: medium, after sintering	4 pcs.
875507	7 POST-Disc fine disc, grain: fine, after sintering	2 pcs.
875508	8 POST-Wheel fine wheel, grain: fine, after sintering	4 pcs.



Ceramill Polish - Dent Kit

Zircon oxide-polishing set for the dentist

875509 Ceramill Polish - Dent Kit		
Delivery include: see image		
875510	1 Cup medium, cup, grain: medium	4 pcs.
875511	2 Disc medium, disc, grain: medium	4 pcs.
875512	3 Cup fine, cup, grain: fine	4 pcs.
875513	4 Disc fine, disc, grain: fine	4 pcs.



Ceramill Sintron



Ceramill Sintron



Ceramill Sintron

Ceramill Sintron

CoCr blanks, dental arch shape

761101R	Ceramill Sintron 71 XXS	h=10 mm	1 pc.
761102R	Ceramill Sintron 71 XS	h=12 mm	1 pc.
761103R	Ceramill Sintron 71 S	h=14 mm	1 pc.
761104R	Ceramill Sintron 71	h=16 mm	1 pc.
761105R	Ceramill Sintron 71 M	h=18 mm	1 pc.
761106R	Ceramill Sintron 71 L	h=20 mm	1 pc.
761107R	Ceramill Sintron 71 XL	h=25 mm	1 pc.

CoCr blanks, round

761132	Ceramill Sintron 98x10 N	h=10 mm	1 pc.
761130	Ceramill Sintron 98x12 N	h=12 mm	1 pc.
761128	Ceramill Sintron 98x14 N	h=14 mm	1 pc.
761126	Ceramill Sintron 98x16 N	h=16 mm	1 pc.
761124	Ceramill Sintron 98x18 N	h=18 mm	1 pc.
761122	Ceramill Sintron 98x20 N	h=20 mm	1 pc.
761120	Ceramill Sintron 98x25 N	h=25 mm	1 pc.

CoCr blanks, Zirkonzahn system

761600	Ceramill Sintron ZZ 95x10	h=10 mm	1 pc.
761601	Ceramill Sintron ZZ 95x12	h=12 mm	1 pc.
761602	Ceramill Sintron ZZ 95x14	h=14 mm	1 pc.
761603	Ceramill Sintron ZZ 95x16	h=16 mm	1 pc.
761604	Ceramill Sintron ZZ 95x18	h=18 mm	1 pc.
761606	Ceramill Sintron ZZ 95x25	h=25 mm	1 pc.



Ceramil Wax grey



Ceramil Wax grey



Ceramil Wax white



Ceramil Wax white

Ceramil Wax

Wax blank, dental arch shape

760307	Ceramil Wax grey 71 XS	h=13mm	1 pc.
760302	Ceramil Wax grey 71 L	h=20mm	1 pc.
760315	Ceramil Wax white 71 XS	h=13 mm	1 pc.
760313	Ceramil Wax white 71 L	h=20 mm	1 pc.

Wax blank, round

760524	Ceramil Wax 98x14 N	h=14mm	1 pc.
760525	Ceramil Wax 98x20 N	h=20mm	1 pc.
760527	Ceramil Wax white 98x14 N	h=14mm	1 pc.
760528	Ceramil Wax white 98x20 N	h=20mm	1 pc.



Ceramil D-Wax

Ceramil D-Wax

Wax blank full-denture prosthetics, enlarged dental arch shape

760570	Ceramil D-Wax	h=30mm	1 pc.
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Ceramil PMMA



Ceramil PMMA

Ceramil PMMA

Non-residual burnout PMMA, dental arch shape

760311	Ceramil PMMA 71 XS	h=13mm	1 pc.
760303	Ceramil PMMA 71 L	h=20mm	1 pc.

Non-residual burnout PMMA, round

760407	Ceramil PMMA 98x12 N	h=12mm	1 pc.
760408	Ceramil PMMA 98x20 N	h=20mm	1 pc.



Ceramil TEMP bleach



Ceramil TEMP bleach



Ceramil TEMP light



Ceramil TEMP light



Ceramil TEMP middle



Ceramil TEMP middle



Ceramil TEMP dark



Ceramil TEMP dark



Ceramil TEMP Multilayer



Ceramil TEMP Multilayer

Ceramil TEMP

Stained PMMA, dental arch shape

760334	Ceramil TEMP bleach 71 XS	h=13mm	1 pc.
760320	Ceramil TEMP light 71 XS	h=13mm	1 pc.
760321	Ceramil TEMP middle 71 XS	h=13mm	1 pc.
760322	Ceramil TEMP dark 71 XS	h=13mm	1 pc.
760335	Ceramil TEMP bleach 71 L	h=20mm	1 pc.
760323	Ceramil TEMP light 71 L	h=20mm	1 pc.
760324	Ceramil TEMP middle 71 L	h=20mm	1 pc.
760325	Ceramil TEMP dark 71 L	h=20mm	1 pc.

Stained PMMA, round

760544	Ceramil TEMP bleach 98x14 N	h=14mm	1 pc.
760538	Ceramil TEMP light 98x14 N	h=14mm	1 pc.
760539	Ceramil TEMP middle 98x14 N	h=14mm	1 pc.
760540	Ceramil TEMP dark 98x14 N	h=14mm	1 pc.
760545	Ceramil TEMP bleach 98x20 N	h=20mm	1 pc.
760541	Ceramil TEMP light 98x20 N	h=20mm	1 pc.
760542	Ceramil TEMP middle 98x20 N	h=20mm	1 pc.
760543	Ceramil TEMP dark 98x20 N	h=20mm	1 pc.

Ceramil TEMP Multilayer

Stained PMMA with shade gradient, Zahnbogenform

760380	Ceramil TEMP Multilayer A1/A2 71 XS	h=13mm	1 pc.
760381	Ceramil TEMP Multilayer A3 71 XS	h=13mm	1 pc.
760382	Ceramil TEMP Multilayer B1/B2 71 XS	h=13mm	1 pc.
760383	Ceramil TEMP Multilayer C2/C3 71 XS	h=13mm	1 pc.
760384	Ceramil TEMP Multilayer A1/A2 71 L	h=20mm	1 pc.
760385	Ceramil TEMP Multilayer A3 71 L	h=20mm	1 pc.
760386	Ceramil TEMP Multilayer B1/B2 71 L	h=20mm	1 pc.
760387	Ceramil TEMP Multilayer C2/C3 71 L	h=20mm	1 pc.

Stained PMMA with shade gradient, round

760572	Ceramil TEMP Multilayer A1/A2 98x12 N	h=12mm	1 pc.
760573	Ceramil TEMP Multilayer A3 98x12 N	h=12mm	1 pc.
760574	Ceramil TEMP Multilayer B1/B2 98x12 N	h=12mm	1 pc.
760575	Ceramil TEMP Multilayer C2/C3 98x12 N	h=12mm	1 pc.
760576	Ceramil TEMP Multilayer A1/A2 98x20 N	h=20mm	1 pc.
760577	Ceramil TEMP Multilayer A3 98x20 N	h=20mm	1 pc.
760578	Ceramil TEMP Multilayer B1/B2 98x20 N	h=20mm	1 pc.
760579	Ceramil TEMP Multilayer C2/C3 98x20 N	h=20mm	1 pc.



Ceramil Splintec /
Ceramil Splintec Standard



Ceramil Splintec /
Ceramil Splintec Standard

Ceramil Splintec / Ceramil Splintec Standard

Splint acrylic, PMMA, dental arch shape

760317	Ceramil Splintec 71 XS	h=13 mm	1 pc.
760318	Ceramil Splintec 71 L	h=20 mm	1 pc.
760395	Ceramil Splintec Standard 71 XS	h=13 mm	1 pc.
760396	Ceramil Splintec Standard 71 L	h=20 mm	1 pc.

Splint acrylic, PMMA, round

760530	Ceramil Splintec 98x14 N	h=14 mm	1 pc.
760531	Ceramil Splintec 98x20 N	h=20 mm	1 pc.
760535	Ceramil Splintec Standard 98x12 N	h=12 mm	1 pc.
760536	Ceramil Splintec Standard 98x20 N	h=20 mm	1 pc.



Ceramil PEEK



Ceramil PEEK

Ceramil PEEK

Polyetheretherketone, dental arch shape

760390	Ceramil PEEK 71 XS	h=13 mm	1 pc.
760392	Ceramil PEEK 71 L	h=20 mm	1 pc.

Polyetheretherketone, round

760398	Ceramil PEEK 98x12 N	h=12 mm	1 pc.
760399	Ceramil PEEK 98x20 N	h=20 mm	1 pc.



Ceramil M-Plast



Ceramil M-Plast

Ceramil M-Plast

Model resin, dental arch shape

760519	Ceramil M-Plast 71	h=30 mm	1 pc.
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Model resin, round

760516	Ceramil M-Plast 98x30 N	h=30 mm	1 pc.
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Ceramil Test

Ceramil Test

Test blank, Zahnbogenform

760301	Ceramil Test	h=20 mm	1 pc.
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VITA ENAMIC®

VITA ENAMIC® for Ceramil

761201	VITA ENAMIC®, EM-14, 0M1-T	12x14x18 mm	5 pcs.
761202	VITA ENAMIC®, EM-14, 1M1-T	12x14x18 mm	5 pcs.
761203	VITA ENAMIC®, EM-14, 1M2-T	12x14x18 mm	5 pcs.
761204	VITA ENAMIC®, EM-14, 2M2-T	12x14x18 mm	5 pcs.
761205	VITA ENAMIC®, EM-14, 3M2-T	12x14x18 mm	5 pcs.
761211	VITA ENAMIC®, EM-14, 0M1-HT	12x14x18 mm	5 pcs.
761212	VITA ENAMIC®, EM-14, 1M1-HT	12x14x18 mm	5 pcs.
761213	VITA ENAMIC®, EM-14, 1M2-HT	12x14x18 mm	5 pcs.
761214	VITA ENAMIC®, EM-14, 2M2-HT	12x14x18 mm	5 pcs.
761215	VITA ENAMIC®, EM-14, 3M2-HT	12x14x18 mm	5 pcs.



VITABLOCS® Mark II

VITABLOCS® Mark II for Ceramill

760051	VITABLOCS® Mark II, I12, A1C	10x12x15 mm	5 pcs.
760052	VITABLOCS® Mark II, I12, A2C	10x12x15 mm	5 pcs.
760053	VITABLOCS® Mark II, I12, A3C	10x12x15 mm	5 pcs.
760054	VITABLOCS® Mark II, I12, 1M2C	10x12x15 mm	5 pcs.
760055	VITABLOCS® Mark II, I12, 2M1C	10x12x15 mm	5 pcs.
760056	VITABLOCS® Mark II, I12, 2M2C	10x12x15 mm	5 pcs.
760057	VITABLOCS® Mark II, I12, 3M2C	10x12x15 mm	5 pcs.
760060	VITABLOCS® Mark II, I14, A1C	12x14x18 mm	5 pcs.
760061	VITABLOCS® Mark II, I14, A2C	12x14x18 mm	5 pcs.
760062	VITABLOCS® Mark II, I14, A3C	12x14x18 mm	5 pcs.
760063	VITABLOCS® Mark II, I14, 1M2C	12x14x18 mm	5 pcs.
760064	VITABLOCS® Mark II, I14, 2M1C	12x14x18 mm	5 pcs.
760065	VITABLOCS® Mark II, I14, 2M2C	12x14x18 mm	5 pcs.
760066	VITABLOCS® Mark II, I14, 3M2C	12x14x18 mm	5 pcs.



VITABLOCS® TriLux forte

VITABLOCS® TriLux forte for Ceramill

760070	VITABLOCS® TriLux forte, TF12, A1C	10x12x15 mm	5 pcs.
760071	VITABLOCS® TriLux forte, TF12, A2C	10x12x15 mm	5 pcs.
760072	VITABLOCS® TriLux forte, TF12, A3C	10x12x15 mm	5 pcs.
760080	VITABLOCS® TriLux forte, TF14, A1C	12x14x18 mm	5 pcs.
760081	VITABLOCS® TriLux forte, TF14, A2C	12x14x18 mm	5 pcs.
760082	VITABLOCS® TriLux forte, TF14, A3C	12x14x18 mm	5 pcs.



VITA SUPRINITY® PC

VITA SUPRINITY® PC for Ceramill

761001	VITA SUPRINITY® PC, PC-14, 0M1-T	12x14x18 mm	5 pcs.
761002	VITA SUPRINITY® PC, PC-14, A1-T	12x14x18 mm	5 pcs.
761003	VITA SUPRINITY® PC, PC-14, A2-T	12x14x18 mm	5 pcs.
761004	VITA SUPRINITY® PC, PC-14, A3-T	12x14x18 mm	5 pcs.
761005	VITA SUPRINITY® PC, PC-14, A3.5-T	12x14x18 mm	5 pcs.
761006	VITA SUPRINITY® PC, PC-14, B2-T	12x14x18 mm	5 pcs.
761007	VITA SUPRINITY® PC, PC-14, C2-T	12x14x18 mm	5 pcs.
761008	VITA SUPRINITY® PC, PC-14, D2-T	12x14x18 mm	5 pcs.
761021	VITA SUPRINITY® PC, PC-14, 0M1-HT	12x14x18 mm	5 pcs.
761022	VITA SUPRINITY® PC, PC-14, A1-HT	12x14x18 mm	5 pcs.
761023	VITA SUPRINITY® PC, PC-14, A2-HT	12x14x18 mm	5 pcs.
761024	VITA SUPRINITY® PC, PC-14, A3-HT	12x14x18 mm	5 pcs.
761025	VITA SUPRINITY® PC, PC-14, A3.5-HT	12x14x18 mm	5 pcs.
761026	VITA SUPRINITY® PC, PC-14, B2-HT	12x14x18 mm	5 pcs.
761027	VITA SUPRINITY® PC, PC-14, C2-HT	12x14x18 mm	5 pcs.
761028	VITA SUPRINITY® PC, PC-14, D2-HT	12x14x18 mm	5 pcs.



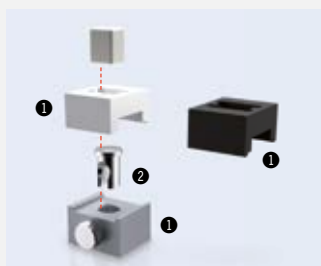
Ceramill Motion Starter Kit

760012 Ceramill Motion Starter Kit			
760172	Ceramill ZI White 14 mm		1 pc.
760174	Ceramill ZI White 16 mm		1 pc.
760313	Ceramill Wax		1 pc.
760324	Ceramill TEMP		1 pc.
760303	Ceramill PMMA		1 pc.
760470	Ceramill Liquid Set for ZI		1 pc.
	Rotos		
	Accessories		



Starter Kit glass ceramic for Ceramill Motion 2 (5X)

760050 Starter Kit glass ceramic for Ceramill Motion 2 (5X)		
179260	Blank holder 3-compartment	1 pc.
760052	VITABLOCS® Mark II, I12, A2C	5 pcs.
760062	VITABLOCS® Mark II, I14, A3C	5 pcs.
760071	VITABLOCS® TriLuxe forte, TF12, A2C	5 pcs.
761214	VITA ENAMIC® EM-14, 2M2-HT	5 pcs.
760624	Ceramill Motion 2 Diamant 1.0	1 pc.
760625	Ceramill Motion 2 Diamant 1.4	1 pc.
760626	Ceramill Motion 2 Diamant 1.8	1 pc.
179285	Storage bar blank holder	1 pc.



GCER Universal Bonding Kit

Adhesive aid for adhering glass ceramic blanks or lithium disilicate blanks to the Amann Girrbach holder incl. 2 attachments for different sizes of blank (10x12x15, 12x14x18)

760973	① GCER Universal Bonding Kit	
760974	② Universal holder for glass ceramic blanks	10 pcs.



Blank holder glass ceramic blanks (3x) incl. storage bar

for clamping glass ceramic blanks or lithium disilicate blanks in the Ceramill Motion 2

179260	Blank holder glass-ceramic blanks (3 compartment) incl. storage bar for Ceramill Motion 2 (5X)	
179281	Blank holder glass-ceramic blanks (3 compartment) incl. storage bar for Ceramill Motion 2 (4X)	



Upgrade kit Ceramill TI-Forms Ceramill Motion 2

760100 Upgrade kit Ceramill TI-Forms Ceramill Motion 2		
179278	Blank holder rotational milling	
760615	Roto TI 1.0	
760616	Roto TI 2.0	
179285	Storage bar	



Technical Data

Dimensions (DxW x H): 468 x 461 x 480 mm
 Weight: 30 kg
 Electrical connections: V/Hz 220-240/50-60
 Power: 3.5 kW
 Fuse (fast): 12.5 A
 Degree protection - IP20
 Thermal protection class according to DIN EN 60519-2: Class 0
 Ambient conditions:
 Temperature: +5 - +40°C
 Humidity: 80%



Ceramill Therm 3

Sintering furnace

178380	Ceramill Therm 3	
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Delivery volume: Ceramill Therm 3 sintering furnace, sintering bowl, Therm 3 tongs, Sintering pearls 200g, Ø 1mm

Accessories Therm 3

178311	Sintering pearls 200g, Ø 1mm for Ceramill ZI and Ceramill Zolid	
178381	① Tongs for Therm 3 sintering bowl	
178382	② Therm 3 stackable sintering bowl	
178383	Therm 3 Zolid stackable sintering bowl	

Accessories Therm

178360	Stackable sintering bowl	1 pc.
178370	Ceramill Zolid Stackable sintering bowl	1 pc.
178360 and 178370: stackable only in Ceramill Therm (178350)		
178361	Tongs for Therm sintering bowl	



Technical Data
Dimensions (DxWxH) incl. service unit:
468 x 461 x 480 mm
Weight: 30 kg
Electrical connections: V/Hz 220-240/50-60
Power: 3.5 kW
Fuse (fast): 12.5 A
Degree protection - IP20
Thermal protection class according to
DIN EN 60519-2: Class 0
Ambient conditions:
- temperature: +5 - +40°C
- humidity: 80 %

Ceramill Argotherm 2

Sintering furnace for Ceramill Sintron

178740	Ceramill Argotherm 2 (incl. Ceramill Argovent)
Delivery volume: Sinter furnace Ceramill Argotherm 2, sinter chamber Ceramill Argovent	
178710	Ceramill Argovent (Ceramill Argotherm 2 delivery includes)
Delivery volume: sinter base, sintering tray, sinter hood, shielding gas retort, sinter beads, Argovent tongs	
178711	Ceramill Argovent sintering tray
178712	Ceramill Argovent sinter hood
178713	Ceramill Argovent tongs
178714	Ceramill Sintron sinter beads



Ceramill M-Build Starter Kit

760024	Ceramill M-Build Starter Kit	
760519	Ceramill M-Plast 71 (30 mm)	4 pcs.
760633	Roto 3.0 Red	1 pc.
760604	Roto 1.0	1 pc.
760607	Roto 0.3	1 pc.
760640	Roto KF2.5 Red	1 pc.
760641	Roto B2.0 Red	1 pc.
5767501	Giroform secondary plates with magnet	5 pcs.
576767	Base plates MM, 10-pack	1 pc.
576449	Pins MM, 100-pack	1 pc.
216013	Centring unit MM 40 mm	1 pc.
	Centring unit MM 50 mm	1 pc.



Ceramill FDS Starter Kit for Ceramill Motion 2 (5X)

760018	Ceramill FDS Starter Kit for Ceramill Motion 2 (5X)	
760570	Ceramill D-Wax 30mm	2 pcs.
760301	Ceramill Test	1 pc.
179282	Blank holder M2 (5X) XL	1 pc.
179283	Blank holder M2 (5X) D-Set	1 pc.
179285	Storage bar blank holder	1 pc.
760630	Roto SF1.2 Green	1 pc.
760631	Roto 1.0 Red	1 pc.
760633	Roto 3.0 Red	1 pc.
179286	Spindle cap premium M2	1 pc.



Ceramill D-Set patented denture tooth blanks - Pala Mix&Match DS

Pala Premium 6 DS, A1, A2, A3, A3.5, B1
Pala Mondial 6 and 8 DS, A1, A2, A3, A3.5, B1
Pala Idealis 8 DS, A1, A2, A3, A3.5, B1

can be ordered directly from Heraeus Kulzer

CERAMILL TI-FORMS AND ORIGINAL TITANIUM ABUTMENT BLANKS FOR ALL CURRENT IMPLANT SYSTEMS

CONDITION: CERAMILL MOTION 2 (5X), CERAMILL MIKRO IC

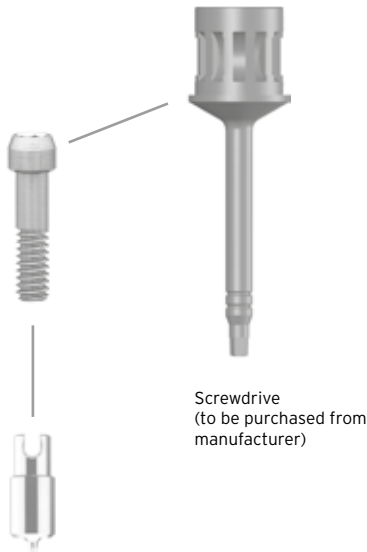
Abutment blank and components for individual single titanium abutments

Products for restaurations	Products for the scan
<div>Screw</div> 	<div>Screw</div> 
<div>Titanium abutment blank</div> 	<div>Scan body</div> 



Ceramill TI-Forms Starter Kit

USE OF THE TI-FORMS COMPONENTS AND THE INSTRUMENTS NECESSARY FOR SCREW RETENTION



Screw

Titanium abutment blank

Screwdriver
(to be purchased from manufacturer)

MODULE AND ACCESSORY REQUIREMENTS

Indication	Ceramill upgrade module			Ceramill accessories		
	M-Plant	M-Gin	M-Bars	TI-Connect	TI-Connect SR	TI-Forms
Abutments on titanium bases	+			+		
Bridges on conical titanium bases (incl. adhesive coping)	+				+	
One-piece abutment of titanium	+					+
Bars on conical titanium bases (incl. adhesive coping)	+		+		+	
Bridges with gingiva on conical titanium bases	+	+			+	

All components for implant systems, which are not listed in our product catalogue, must be ordered directly from the manufacturer.

Screwdrivers should be purchased from the manufacturer of the respective implant systems.

All product brands labelled with TM/® are registered trademarks of the manufacturer named.

All original implants should be purchased from the respective manufacturer.

TITANIUM BASE FOR ALL CONVENTIONAL IMPLANT SYSTEMS

CONDITION: CERAMILL MOTION 2 (5X), CERAMILL MIKRO 5X			
Titanium bases and components for individual single abutments			
Products for restaurations		Products for the scan	
Screw		Screw	
Titanium base		Scan body	

CONDITION: CERAMILL MOTION 2, CERAMILL MIKRO			
Conical SR titanium bases and components for multi-unit, screw-retained restorations (SR = Screw retained)			
Products for restaurations		Products for the scan	
Screw SR		Screw SR	
Adhesive coping SR		Scan body SR	
Titanium base SR		Titanium base SR	

USE OF THE TI-CONNECT COMPONENTS AND THE INSTRUMENTS NECESSARY FOR SCREW RETENTION

All components for implant systems, which are not listed in our product catalogue, must be ordered directly from the manufacturer. Screwdrivers should be purchased from the manufacturer of the respective implant systems. All product brands labelled with TM/® are registered trademarks of the manufacturer named. All original implants should be purchased from the respective manufacturer.

TITANIUM ABUTMENT BLANKS OF IMPLANT MANUFACTURERS

Implant manufacturer	Implant system	Compatible original abutment blanks for customised titanium abutments
Straumann	BoneLevel®	◆
Straumann	SynOcta®	◆
MIS®	C1, V3, Seven, M4	●
BEGO	Semados® SC/SCX/RS/RSX/RI*	◆

The Amann Girrbach product portfolio is continually being extended by implant systems.

* With platform switching design

- ◆ To be ordered from Amann Girrbach
- To be ordered from the implant manufacturer or manufacturer of the titanium bases

	Straumann® BoneLevel®		Straumann® SynOcta®	
	3.3 mm (NC)	4.1/4.8 mm (RC)	4.8 mm (RN)	6.5 mm (WN)
Laboratory implant	 792331	 792332	 792532	 792533

Abutment blanks and components for customised single abutments

Titanium abutment blank	 022.0058	 022.0059	 048.824	 048.825
Scan body	 025.2915	 025.4915	 048.168	 048.169
Screw	 025.2900	 025.4900	 048.356	 048.356
Torque	35 Ncm	35 Ncm	35 Ncm	35 Ncm

All components for implant systems, which are not listed in our product catalogue, must be ordered directly from the manufacturer.

Screwdrivers should be purchased from the manufacturer of the respective implant systems.

All product brands labelled with TM/® are registered trademarks of the manufacturer named.






















































All original implants should be purchased from the respective manufacturer.

















































CERAMILL TI-FORMS, CERAMILL TI-CONNECT, CERAMILL TI-CONNECT SR





















































Range	Implant manufacturer	Implant system	Ceramill TI-Forms Compatible abutment blanks for customised titanium abutments	Ceramill TI-Connect Compatible titanium bases for single abutments	Ceramill TI-Connect SR Compatible conical titanium bases for multi-unit restorations
1	Astra Tech	Osseo Speed®	◆	◆	◆
2	Biomet 3i	Osseotite® Certain®	◆	◆	◆
3	Straumann	BoneLevel®	◆	◆	◆
4	Nobel Biocare	Nobel Active®	◆	◆	◆
5	Straumann	SynOcta®	◆	◆	◆
6	Nobel Biocare	Replace Select®	◆	◆	◆
7	Biomet 3i	Osseotite®	◆	◆	◆
8	Nobel Biocare	Branemark®	◆	◆	◆
9	Zimmer	Tapered Screw-Vent®	◆	◆	◆
10	Dentsply Friadent	Frialit / Xive®	◆	◆	◆
11	Camlog	Camlog®		●	◆
12	Camlog	Conelog®	◆	●	◆
13	Dentsply-Friadent	Ankylos®			◆
14	Bredent Medical	Sky®		●	◆
-	Thommen Medical	SPI®ELEMENT SPI®CONTACT SPI®ONETIME		●	
-	Prowital	Prowital-Implantate		●	
-	MIS	SEVEN M4 C1		●	●
-	medentis medical GmbH	ICX-templant®		●	
-	Dentaurum Implants GmbH	tioLogic®		●	
-	OSSTEM Implant	GS US SS		●	
-	Dentium	Implantium		●	
-	Nemris	Aesthura Classic		●	

















































- ◆ To be ordered from Amann Girrbach
- To be ordered from the implant manufacturer or manufacturer of the titanium bases







































































All components for implant systems, which are not listed in our product catalogue, must be ordered directly from the manufacturer.
Screwdrivers should be purchased from the manufacturer of the respective implant systems.
All product brands labelled with TM/® are registered trademarks of the manufacturer named.
All original implants should be purchased from the respective manufacturer.
















































	Range one for Astra Tech® OsseoSpeed®				Range two for Biomet 3i® Osseotite® Certain®			
	Kit a 3.5/4.0 mm	Kit b 4.5/5.0 mm			Kit a 3.4 mm	Kit b 4.1 mm	Kit c 5.0 mm	
Laboratory implant	 792131	 792132			 792231	 792232	 792233	
Abutment blanks, titanium basis and components for individual abutments								
Titanium abutment blank	 7921101	 7921102			 7922101	 7922102	 7922103	
Titanium base incl. screw Chimney height 4.0 mm	 792111	 792112			 792211	 792212	 792213	
Scan body	 792121	 792122			 792221	 792222	 792222	
Screw	 792141	 792142			 792241	 792241	 792241	
Torque	25 Ncm	25 Ncm			20 Ncm	20 Ncm	20 Ncm	
Conical SR titanium bases and components for multi-unit, screw-retained restorations (SR = Screw retained)								
Titanium base SR H 0.5 mm	 7921511	 7921521			 7922511	 7922521		
Titanium base SR H 1.5 mm	 7921512	 7921522			 7922512	 7922522		
Titanium base SR H 2.5 mm	 7921513	 7921523			 7922513	 7922523		
Adhesive coping SR (incl. screw SR) H 3 mm	 792161	 792161			 792261	 792261		
Adhesive coping SR (incl. screw SR) H 4 mm	 792162	 792162			 792262	 792262		
Scan body SR	 792171	 792171			 792171	 792171		
Screw SR	 792181	 792181			 792281	 792281		

















	Range three for Straumann® BoneLevel®				Range four for Nobel Biocare® Nobel Active™			
	Kit a 3.3 mm (NC)	Kit b 4.1/4.8 mm (RC)			Kit a 3.5 mm (NP)	Kit b 4.3/5.0 mm (RP)		
Laboratory implant	 792331	 792332			 792431	 792432		
Abutment blanks, titanium basis and components for individual abutments								
Titanium abutment blank	 7923101	 7923102			 7924101	 7924102		
Titanium base incl. screw Chimney height 4.0 mm	 792311	 792312			 792411	 792412		
Scan body	 792321	 792322			 792421	 792422		
Screw	 792341	 792341			 792441	 792442		
Torque	35 Ncm	35 Ncm			25 Ncm	35 Ncm		
Conical SR titanium bases and components for multi-unit, screw-retained restorations (SR = Screw retained)								
Titanium base SR H 0.5 mm	 7923511	 7923521			 7924511	 7924521		
Titanium base SR H 1.5 mm	 7923512	 7923522			 7924512	 7924522		
Titanium base SR H 2.5 mm	 7923513	 7923523			 7924513	 7924523		
Adhesive coping SR (incl. screw SR) H 3 mm	 792361	 792361			 792461	 792461		
Adhesive coping SR (incl. screw SR) H 4 mm	 792362	 792362			 792462	 792462		
Scan body SR	 792171	 792171			 792171	 792171		
Screw SR	 792381	 792381			 792481	 792481		

	Range five for Straumann® SynOcta®				Range six for Nobel Biocare® Replace Select®			
	Kit a 3.5 mm (NN)	Kit b 4.8 mm (RN)	Kit c 6.5 mm (WN)		Kit a 3.5 mm (NP)	Kit b 4.3 mm (RP)	Kit c 5.0 mm (WP)	Kit d 6.0 mm
Laboratory implant	 792531	 792532	 792533		 792631	 792632	 792633	 792634
Abutment blanks, titanium basis and components for individual abutments								
Titanium abutment blank	 7925101	 7925102S	 7925103S		 7926101	 7926102	 7926103	
Titanium base incl. screw Chimney height 4.0 mm	 792511	 792512	 792513		 792611	 792612	 792613	 792614
Scan body	 792521	 792522	 792523		 792621	 792622	 792623	 792624
Screw	 792541	 792542	 792542		 792641	 792642	 792642	 792642
Torque	35 Ncm	35 Ncm	35 Ncm		35 Ncm	35 Ncm	35 Ncm	
Conical SR titanium bases and components for multi-unit, screw-retained restorations (SR = Screw retained)								
Titanium base SR H 0 mm		 7925520						
Titanium base SR H 0.5 mm					 7926511	 7926521		
Titanium base SR H 1.5 mm					 7926512	 7926522		
Titanium base SR H 2.5 mm					 7926513	 7926523		
Adhesive coping SR (incl. screw SR) Range 5 - H 3.75 mm Range 6 - H 3 mm		 792561			 792661	 792661		
Adhesive coping SR (incl. screw SR) H 4 mm					 792662	 792662		
Scan body SR		 792571			 792171	 792171		
Screw SR		 792581			 792681	 792681		

	Range seven for Biomet 3i Osseotite®				Range eight for Nobel Biocare Brånemark®			
	Kit a 3.4 mm	Kit b 4.1 mm	Kit c 5.0 mm		Kit a 3.5 mm (NP)	Kit b 4.1 mm (RP)	Kit c 5.1 mm (WP)	
Laboratory implant	 792731	 792732	 792733		 792831	 792832	 792833	
Abutment blanks, titanium basis and components for individual abutments								
Titanium abutment blank		 7927102			 7928101	 7928102	 7928103	
Titanium base incl. screw Chimney height 4.0 mm	 792711	 792712	 792713		 792811	 792812	 792813	
Scan body	 792721	 792722	 792722		 792821	 792822	 792823	
Screw	 792741	 792741	 792741		 792841	 792842	 792843	
Torque	35 Ncm				35 Ncm	35 Ncm	35 Ncm	
Conical SR titanium bases and components for multi-unit, screw-retained restorations (SR = Screw retained)								
Titanium base SR H 2.5 mm	 7927513	 7927523			 7928513	 7928523		
Adhesive coping SR (incl. screw SR) 3 mm	 792761	 792761			 792861	 792861		
Adhesive coping SR (incl. screw SR) 4 mm	 792762	 792762			 792862	 792862		
Scan body SR	 792171	 792171			 792171	 792171		
Screw SR	 792781	 792781			 792881	 792881		

	Range nine for Zimmer Tapered Screw-Vent®				Range ten for Dentsply Friadent Frialit/Xive®			
	Kit a 3.5 mm	Kit b 4.5 mm	Kit c 5.7 mm		Kit a 3.4 mm	Kit b 3.8 mm	Kit c 4.5 mm	Kit d 5.5 mm
Laboratory implant	 792931	 792932	 792933		 7921031	 7921032	 7921033	 7921034
Abutment blanks, titanium basis and components for individual abutments								
Titanium abutment blank	 7929101	 7929102	 7929103		 79210101	 79210102	 79210103	 79210104
Titanium base incl. screw Chimney height 4.0 mm	 792911	 792912	 792913		 7921011	 7921012	 7921013	 7921014
Scan body	 792921	 792922	 792923		 7921021	 7921022	 7921023	 7921023
Screw	 792941	 792941	 792941		 7921041	 7921041	 7921041	 7921041
Torque	30 Ncm	30 Ncm	30 Ncm		25 Ncm	25 Ncm	25 Ncm	25 Ncm
Conical SR titanium bases and components for multi-unit, screw-retained restorations (SR = Screw retained)								
Titanium base SR H 0.5 mm	 7929511	 7929521			 79210511	 79210521	 79210531	
Titanium base SR H 1.5 mm	 7929512	 7929522			 79210512	 79210522	 79210532	
Titanium base SR H 2.5 mm	 7929513	 7929523			 79210513	 79210523	 79210533	
Adhesive coping SR (incl. screw SR) H 3 mm	 792961	 792961			 7921061	 7921061	 7921061	
Adhesive coping SR (incl. screw SR) H 4 mm	 792962	 792962			 7921062	 7921062	 7921062	
Scan body SR	 792171	 792171			 792171	 792171	 792171	
Screw SR	 792981	 792981			 7921081	 7921081	 7921081	

	Range eleven for Camlog				Range twelve for Conelog			
	Kit a 3.3 mm	Kit b 3.8 mm	Kit c 4.3 mm		Kit a 3.3 mm	Kit b 3.8/4.3 mm	Kit c 5.0 mm	
Laboratory implant	To be ordered directly from Camlog.							
	7921231	7921232	7921233					
Abutment blanks, titanium basis and components for individual abutments								
Titanium abutment blank								
	79212101	79212102	79212103					
Scan body								
	7921221	7921222	7921223					
Screw								
	7921241	7921241	7921242					
Torque					20 Ncm	20 Ncm	20 Ncm	
Conical SR titanium bases and components for multi-unit, screw-retained restorations (SR = Screw retained)								
Titanium base SR H 0.5 mm								
	79211511	79211521	79211531		79212511	79212521		
Titanium base SR H 1.5 mm								
	79211512	79211522	79211532		79212512	79212522		
Titanium base SR H 2.5 mm								
	79211513	79211523	79211533		79212513	79212523		
Adhesive coping SR (incl. screw SR) H 3 mm								
	7921161	7921161	7921161		7921261	7921261		
Adhesive coping SR (incl. screw SR) H 4 mm								
	7921162	7921162	7921162		7921262	7921262		
Scan body SR								
	792171	792171	792171		792171	792171		
Screw SR								
	7921181	7921181	7921181		7921281	7921281		

	Range thirteen for Dentsply Friadent Ankylos®				Range fourteen for Bredent Medical Sky®			
	Kit a 3.5 - 7.0 mm				Kit a 3.5 - 5.5 mm			
Laboratory implant	 7921331				 7921431			
Conical SR titanium bases and components for multi-unit, screw-retained restorations (SR = Screw retained)								
Titanium base SR H 0.5 mm	 79213511				 79214511			
Titanium base SR H 1.5 mm	 79213512				 79214512			
Titanium base SR H 2.5 mm	 79213513				 79214513			
Adhesive coping SR (incl. screw SR) H 3 mm	 7921361				 7921461			
Adhesive coping SR (incl. screw SR)) H 4 mm	 7921362				 7921462			
Scan body SR	 792171				 792171			
Screw SR	 7921381				 7921481			

ACCESSORY

792999 Insertion device for titanium basis SR, for all ranges

792998 Torque ratchet for insertion device (792999)

Ceramill TI-Forms Starter Kit

760100 Ceramill TI-Forms Starter Kit

179278 Blank holder rotational milling

760615 Roto TI 1.0

760616 Roto TI 2.0

179285 Storage bar



SERVICES

INDIVIDUAL, FAST, EXPERT

An Amann Girrbach product rarely comes unaccompanied – and this is also a good thing, as we continue to provide support for our customers with a wide range of services, even after sales. A broad programme of courses is also part of this support as well as a highly qualified Helpdesk team and technical service department.



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Regardless of whether newcomers or experienced technicians, the Amann Girrbach training programme proves a wide range of basic and advanced courses in our Training Center on site or digitally with online training.

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www.amanngirrbach.com/en/services/training/dates



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Brochures



Manuals



Videos

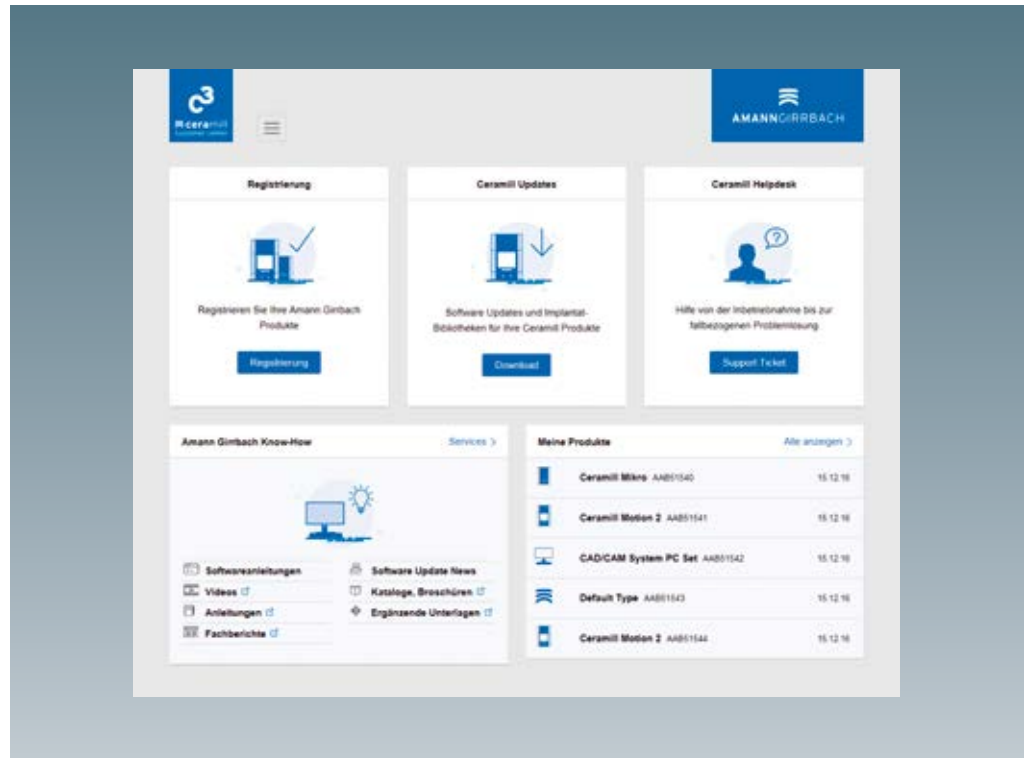


Technical reports

C3 - CERAMILL CUSTOMER CENTER

YOUR SERVICE PORTAL ALL ABOUT THE CERAMILL SYSTEM

The Ceramill Customer Center makes it easy for you to ensure permanent, smooth laboratory operation using Ceramill products. Following registration, helpful information about software updates or range of services (e.g. know-how database, online and Helpdesk support) are available. The C3 portal is being continually developed and provided with new functions.

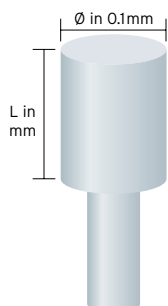
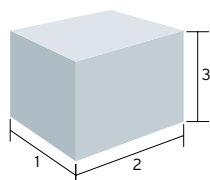


- _Product registration/activation**
- _Software updates and version management**
- _Online and helpdesk support**
- _Know-how database**
- _M-Center order processing (manufacturing centre)**

GENERAL INFORMATION

IN THIS CATALOGUE, THE PRODUCT INFORMATION IS RESTRICTED TO SOME ELEMENTARY FEATURES AND APPLICATIONS.

You will find more information in the according system brochures and/or leaflets.



Technical data

In general, all dimensions are indicated in millimeters (mm) lined up in depth/length x width x height:

1. depth

2. width

3. height

If this is not the case, the differing indications are clearly defined (e.g. diameter = Ø, drilling, thickness, etc.)

Delivery volume

Introductory kits of systems or basic equipment for units are presented, on one hand, as complete set and, on the other hand, as single articles with different article numbers for repeat orders.

Replacement parts

... will be mentioned only in cases where there is high customer demand. All replacement parts are listed with article number in the unit's manual.

Changes, in the sense of better function, performance, service life and technical improvements are subject to alterations.

Terms and Condition

Please find our Terms and Conditions at www.amanngirrbach.com

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