



AMANN GIRRBACH

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

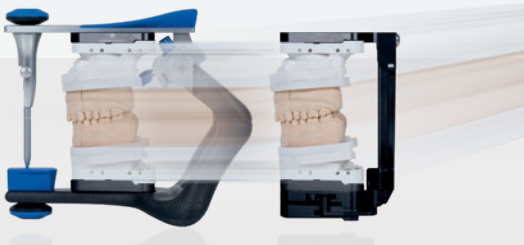
- _Provides all functions for analysing the free spaces and excursion patterns
- _Variable sideshift function for transversal clearance, adjustable



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 Map 400+

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

TRANSFER

DESIGN (CAD)
VIRTUAL OCCLUSION



ceramill® map 400+

**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



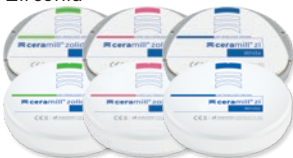


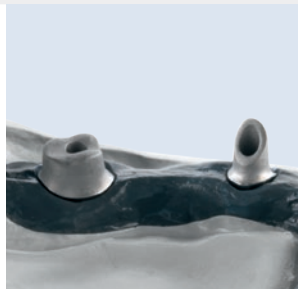






Processes and produces STL data (open)













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 	
Zolid FX Zolid HT+ 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 the different esthetic requirements of dental restorations 	<ul style="list-style-type: none"> _ Depending on the optical and mechanical properties of the respective zirconium oxide, indications ranging from veneers to multi-pontic bridges can be created 	
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"> _ Conventional setting up wax in blank form _ Easily millable under water cooling _ Class 1 medical product for intraoral try-in _ Conversion is possible in the usual way after try in 	<ul style="list-style-type: none"> _ Full-denture bases 	

Material	The most important features at a glance	The most important indications	
Ceramill D-Set Kulzer*, VITA, Merz Dental 	<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 the fit and function during try-in _ For casting, press and overpress techniques 	
Ceramill TEMP Ceramill TEMP Multilayer Temporary acrylic, PMMA 	<ul style="list-style-type: none"> _ Acrylic for long-term temporary restorations with a wearing time of up to 3 years _ Available in monochrome staining or with natural dentin/incisal color gradient _ Can be veneered with common veneering acrylics 	<ul style="list-style-type: none"> _ Acrylic for long-term temporary restorations with a wearing time of up to 3 years _ Temporary crowns and bridges with up to 14 pontics (max. 2 intermediate units) _ Gingiva formers _ Individual abutments on Ti-bases _ Multi-pontic constructions on Ti 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 resistance to wear, abrasion and corrosion _ Modulus of elasticity similar to bone for high strength and simultaneous flexibility _ Metal-free and biocompatible – ideal for patients with metal allergy 	<ul style="list-style-type: none"> _ Crowns and bridges _ Secondary and telescope restorations _ Attachment restorations _ Screw-retained, implant-supported superstructures 	

* to be ordered directly from the manufacturer



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® multiColor 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 _ Also available as Multilayer block with natural color gradient 	<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

 artex® cr	14
 giroform®	15

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

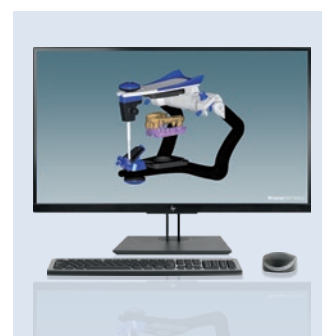
Produced by the dental technician in an articulator, a dental prosthesis must function without a problem for the patient. An articulator is a great way to emulate the patient's movements, saving the dentist chair-side time and the patient quite a bit of pain.

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

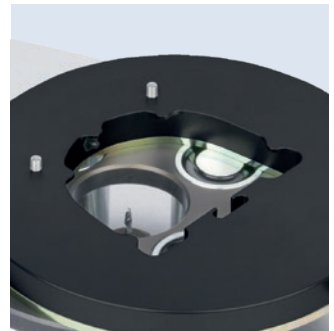


Plate holder is secured magnetically and automatically when drilling starts



SCAN

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1:1 TRANSFER OF PATIENT DATA INTO THE CERAMILL MAP 400+

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".



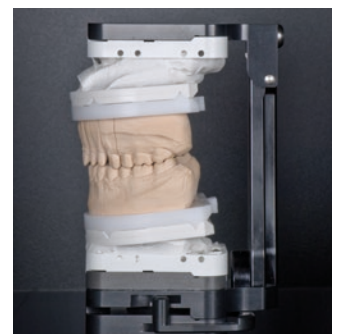
- _ Transferring the articulated situation in Ceramill Fixator without loss of precision**
- _ Maximum precision due to patient analogous working**
- _ Scanning in Splitex precision with exact patient data**



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 Map 400+ (Symbol illustration of the Ceramill Fixator)



Ceramill Map 400+ with model in the Ceramill Fixator - for lossless transfer of the model situation

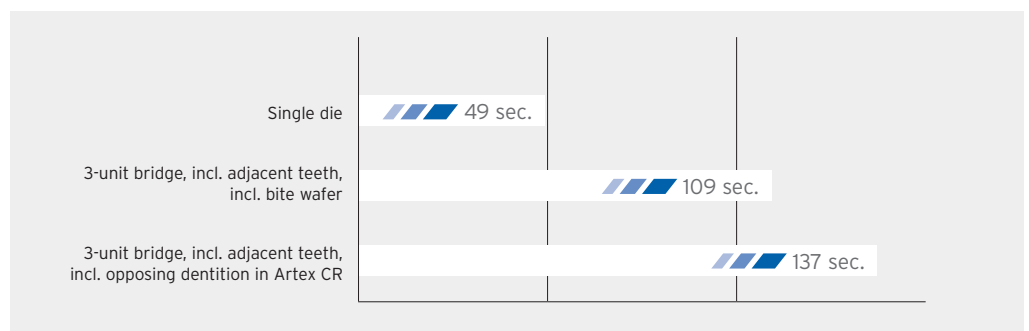
THE "FUNCTIONAL SCANNER" WITH SPLITEX-INTEGRATION

High-resolution scan data, quickly and precisely – provided by the fully automatic Ceramill Map 400+ 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 18 seconds using speed scanning. Furthermore, the scanner with Splitex integration offers a number of valuable and convincing scanning options such as the digitization of Triple Tray impressions and textures in color, recording correct positioning of up to 12 stumps (Multi Die). Ceramill Map 400+ generates open stl data.



- _ Full arch scan with unlimited usable results in only 18 seconds thanks to DNS Speed Scanning
- _ Highly precise digitalisation of model in intermaxillary relationship
- _ Versatilely applicable (e.g. Impressions, models, Multi Die, textures)
- _ Universal carrier plate enables flexible scanning of different model systems

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



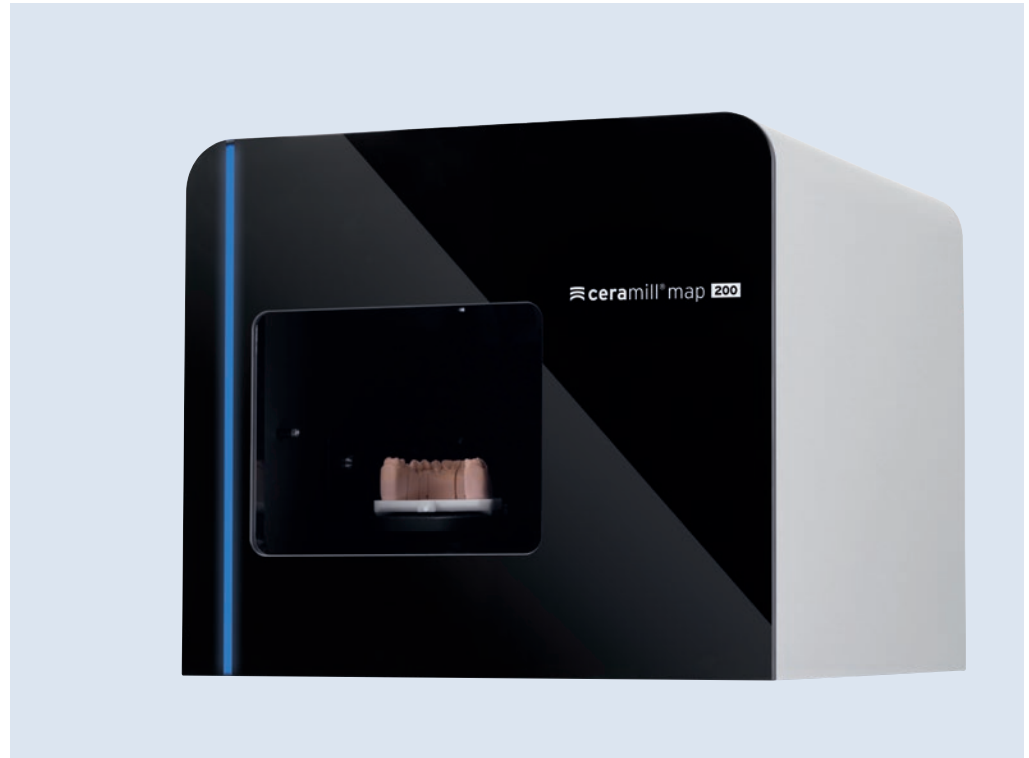
Scan process duration using Ceramill Map 400+ (incl. matching)

ENTRY-LEVEL SCANNER COMPACT, PRECISE, QUICK

SCAN

Ceramill Map 200+ 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 Map 400+. In combination with the automatic user guidance Ceramill Map 200+ brings together convenience and precision on a compact footprint of 390x360x310 mm.

Ceramill Map 200+ has an open interface, so that scans (STL files) can also be loaded in other CAD programmes.



- _ Maximum precision with a minimum footprint
- _ DNA speed scanning reduces scan times by up to 50%
- _ Open interface and automatic user guidance

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

OVERVIEW OF FUNCTIONS AND ACCESSORIES FOR CERAMILL MAP 200+ AND 400+

IMPRESSIONS



Impression Holder with tilt mechanism -
for all Ceramill Map 200/400 models

TEXTURES



Texture scan in colour - captures coloured markings and
auxiliary lines on the models

SCANNING IN INTERMAXILLARY RELATIONSHIP



Digitisation of models with jaw relation

MULTI DIE

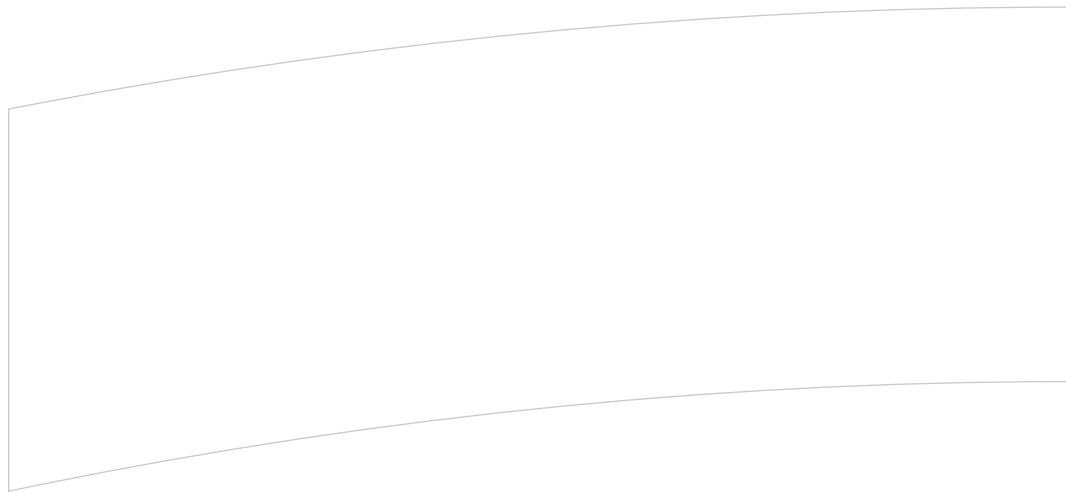


Scanning up to 12 stumps and assigning the correct jaw position
in one run with the Ceramill M-Die


FLEXIBLE SCANNING



Universal carrier plate for flexible scanning
of a host of different model systems



DESIGN / CAD

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Full-denture prosthetics	48

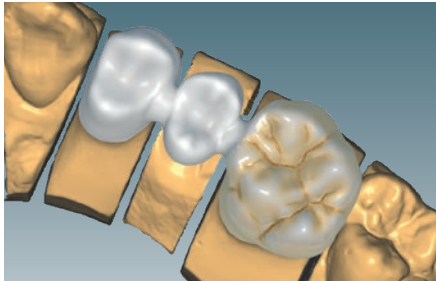
THE INTELLIGENT DESIGN SOFTWARE - DEVELOPED ACCORDING TO DENTAL TECHNOLOGY LOGIC



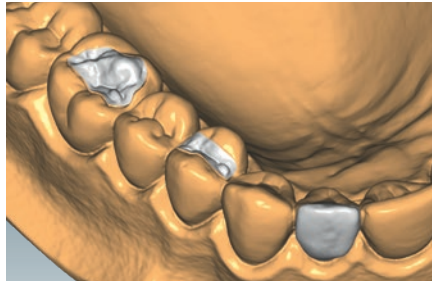
The Ceramill Mind design software, developed by Amann Girrbach in close collaboration with dental technicians, meets all requirements. Perfectly coordinated to the Ceramill Map scanner Ceramill Mind has been seamlessly integrated in the system architecture of the Ceramill system and is characterised by easy handling, process reliability and precision. The user guidance of the CAD program, which is oriented along common laboratory routines, considerably simplifies the process of frame fabrication and covers a comprehensive spectrum of indications from crowns and bridges to complex implant work or full dentures. 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

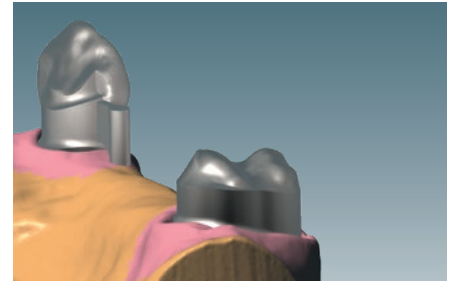
INDICATIONS



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



Ceramill Mind
Inlays, onlays, veneers



Ceramill Mind
Telescope crowns, attachments

LIBRARY TEETH

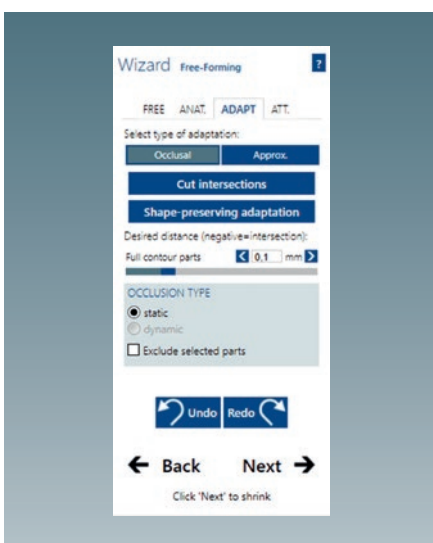


Ceramill Mindforms by AG

Other libraries:

- _AG Generic
- _VITA Physiodens
- _Prittidenta

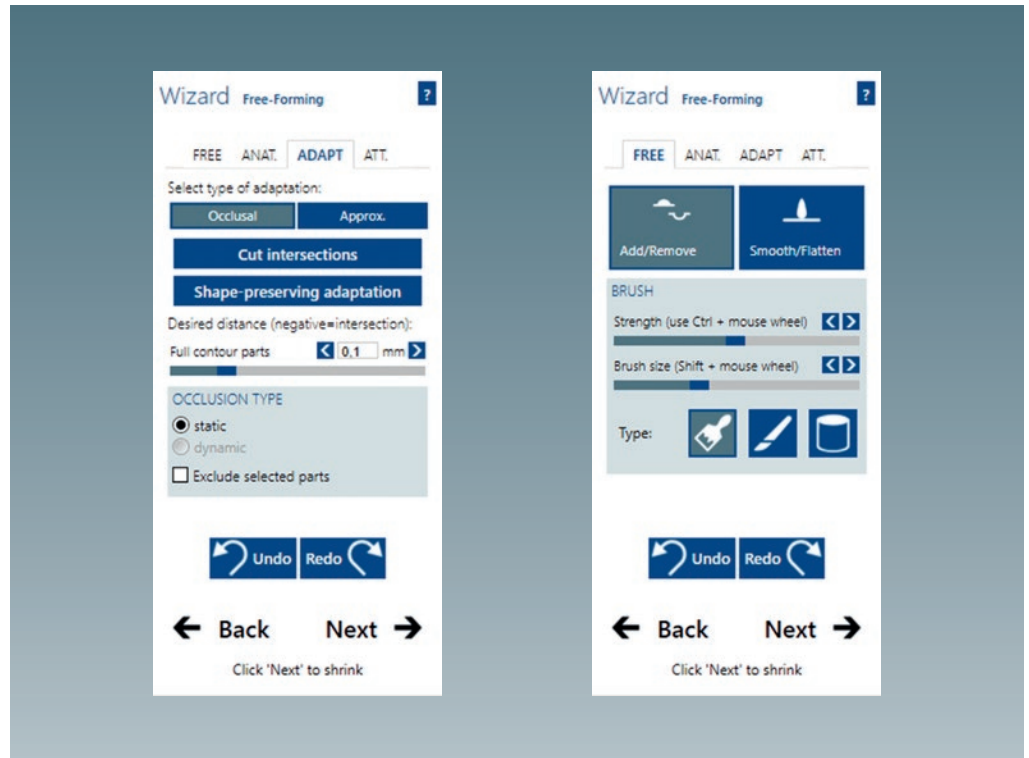
CERAMILL WIZARD



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.



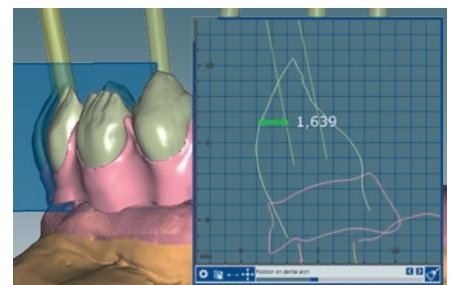
CERAMILL WIZARD FUNCTIONS



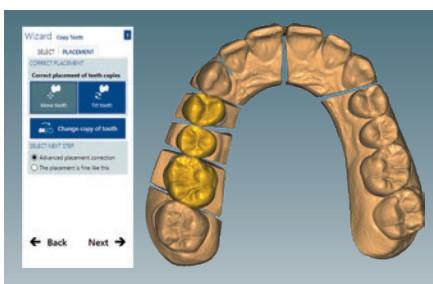
Grid and ruler for better orientation



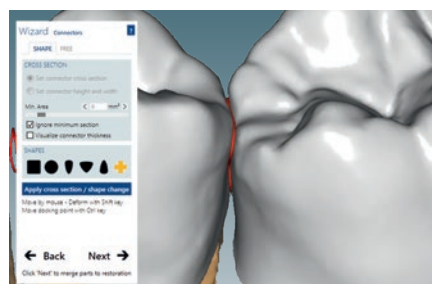
Cutting back selected areas for customised porcelain veneering



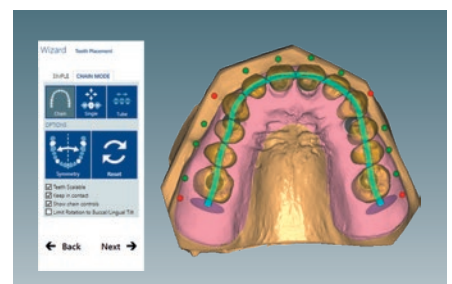
Fading in section plane with measuring instrument for better control of material thicknesses



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

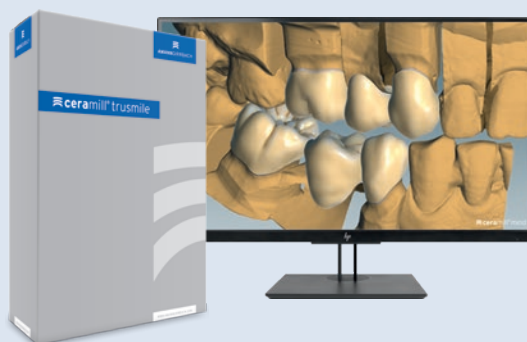
Digital model fabrication using the Ceramill Motion 2.



Crowns and bridges ▶

ceramill® trusmile

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



Implant prosthetics ▶

ceramill® m-plant

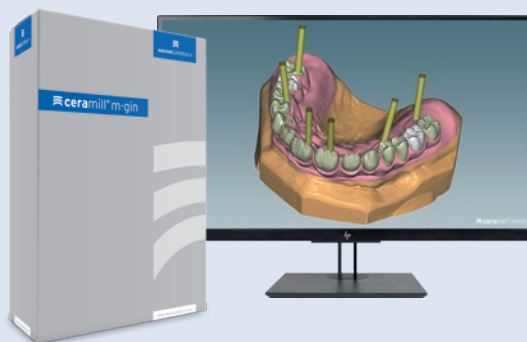
Fabricate customised abutments and screw-retained bridges digitally using the Ceramill system.



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.



Partial dentures ▶

ceramill® m-part

Software module for preparing customized partial denture frameworks.



CROWNS AND BRIDGES

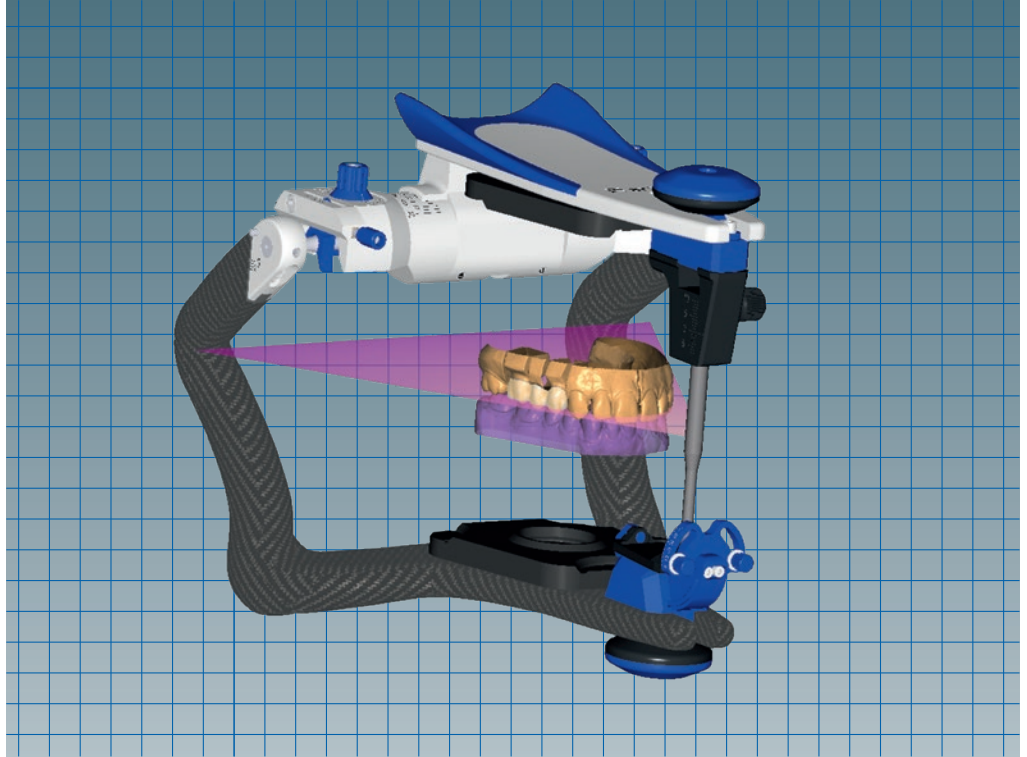
DESIGN CONVENTIONAL STANDARD INDICATIONS
PRECISELY AND EFFICIENTLY



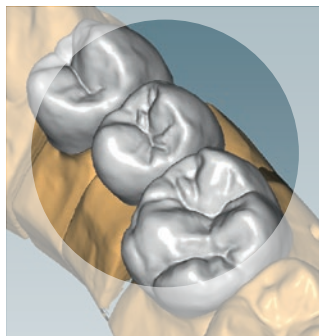
Crowns and bridges belong to the conventional standard restorations of every dental or practice laboratory. Crown and bridge restorations in the anterior and posterior regions can be quickly, easily and precisely planned using the diverse functions of the Ceramill Mind CAD software. This includes not 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.

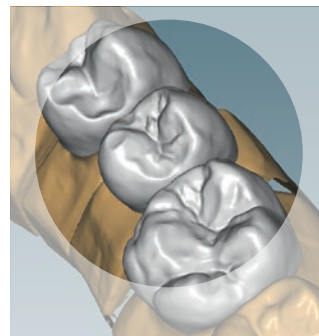
With manual production of dental prosthesis working with the articulator is standard for dental laboratories. In order to achieve the same quality of the works virtually, it is only logical and consistent to enable this by means of a CAD/CAM system. The virtual articulator "Ceramill Artex" serves as 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)



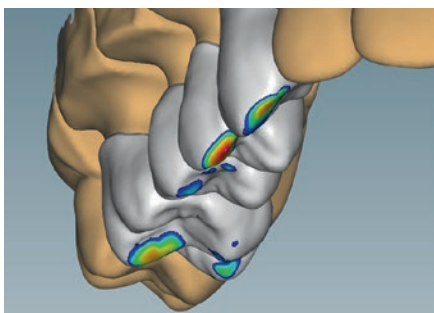
A) Artex CR condyle in centric position
viewed from below



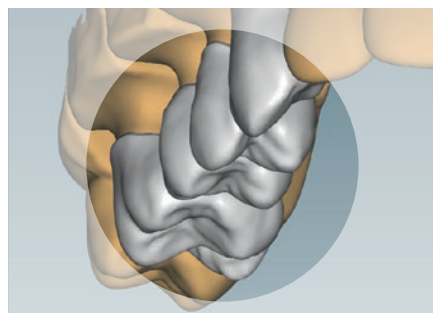
B) Virtual Artex CR condyle in centric position
as starting point for each excursion



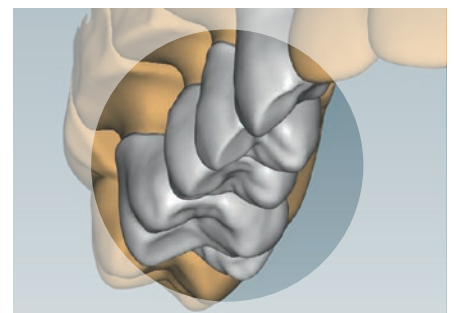
C) Artex CR condyle in (animated in real time)
lateral excursion



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)



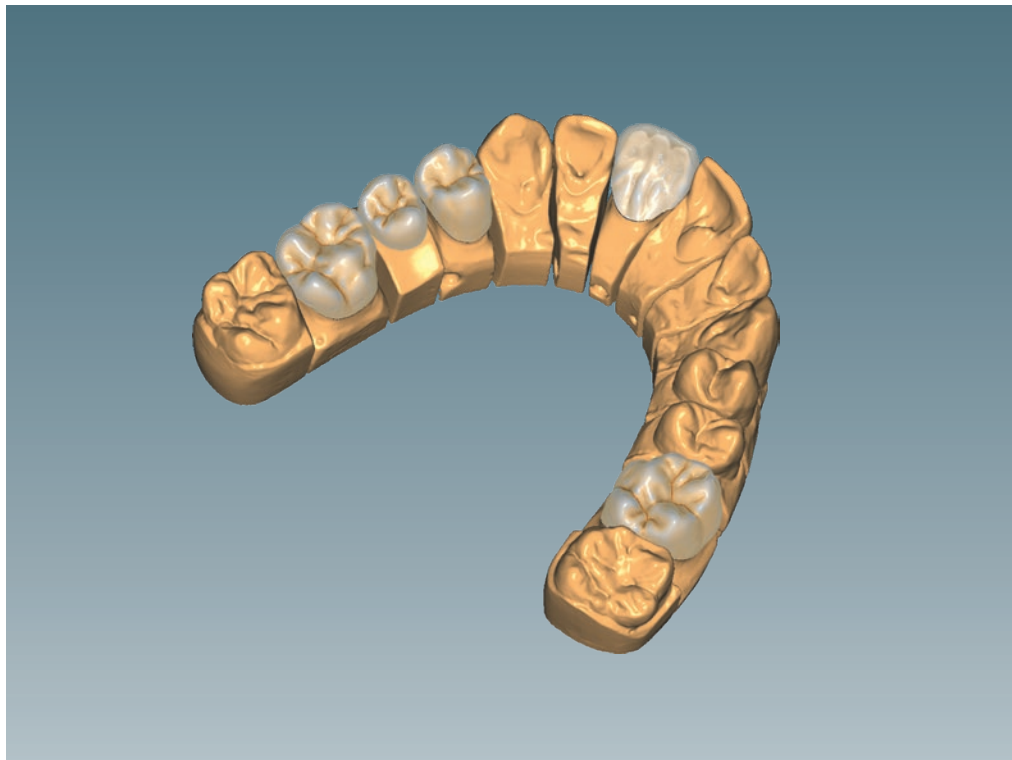
B) Ceramill Artex in function - static reduction
of the CAD design in the functional surfaces



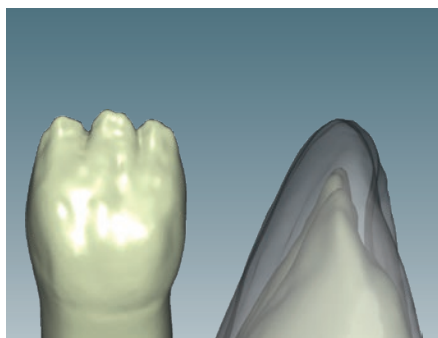
C) The result of the dynamically automated
operation of the Ceramill Artex

CERAMILL LIBRARY TEETH WITH CUT-BACK MOULDS BY KNUT MILLER

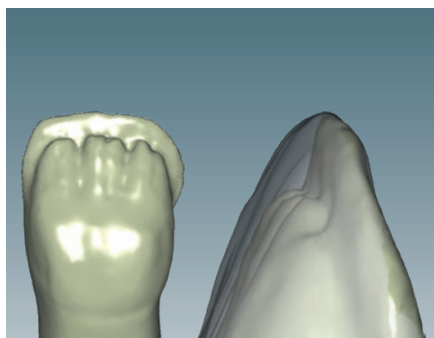
Dental technician Knut Miller developed library teeth for the Ceramill Mind software, which are specially tailored to the requirements of CAD design, based on his best seller the tooth shape atlas "individualis naturae dentis". "Ceramill Mindforms 2.0 by Knut Miller" including cut-back tooth moulds form 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.



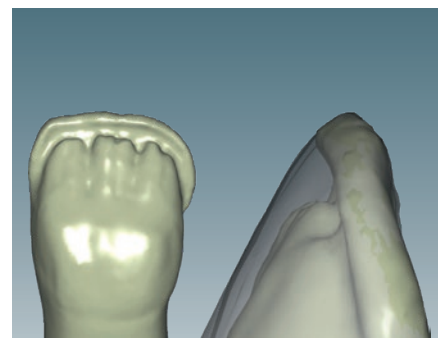
- _Fabricate highly aesthetic restorations reliably and easily - does not require any special prior knowledge of anatomy**
- _High savings in time and costs thanks to reproducible aesthetics without time-consuming freeform processes**
- _Special milling strategies reduce manual reworking to a minimum**
- _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

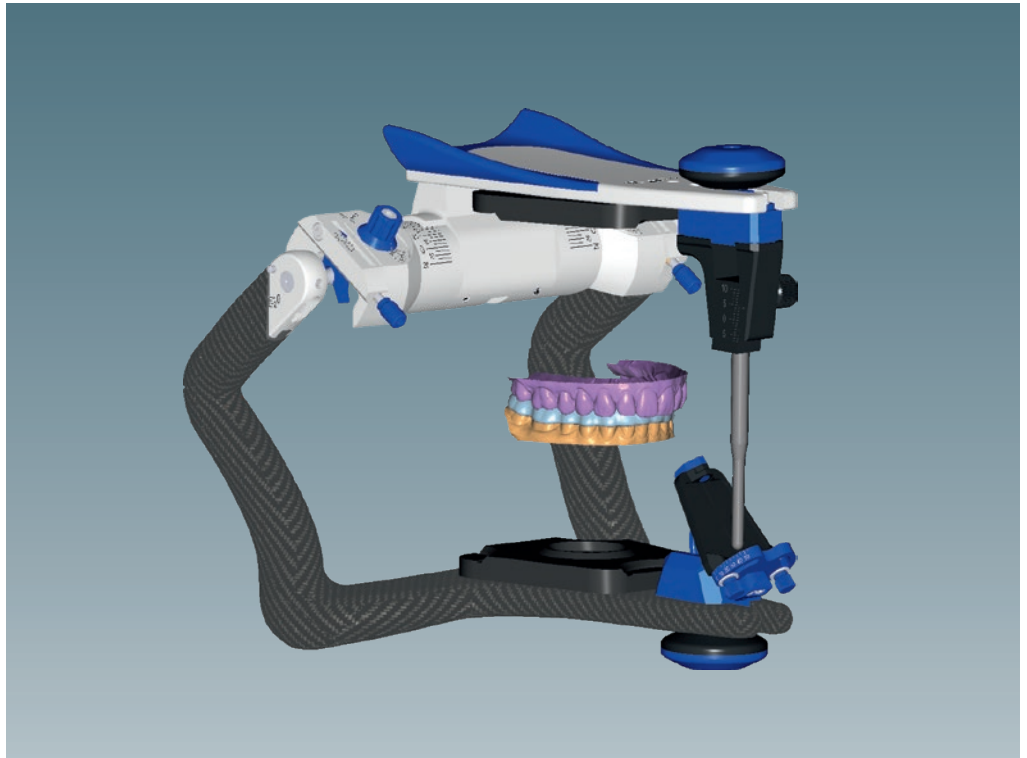


Labial-supported cut-back

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.

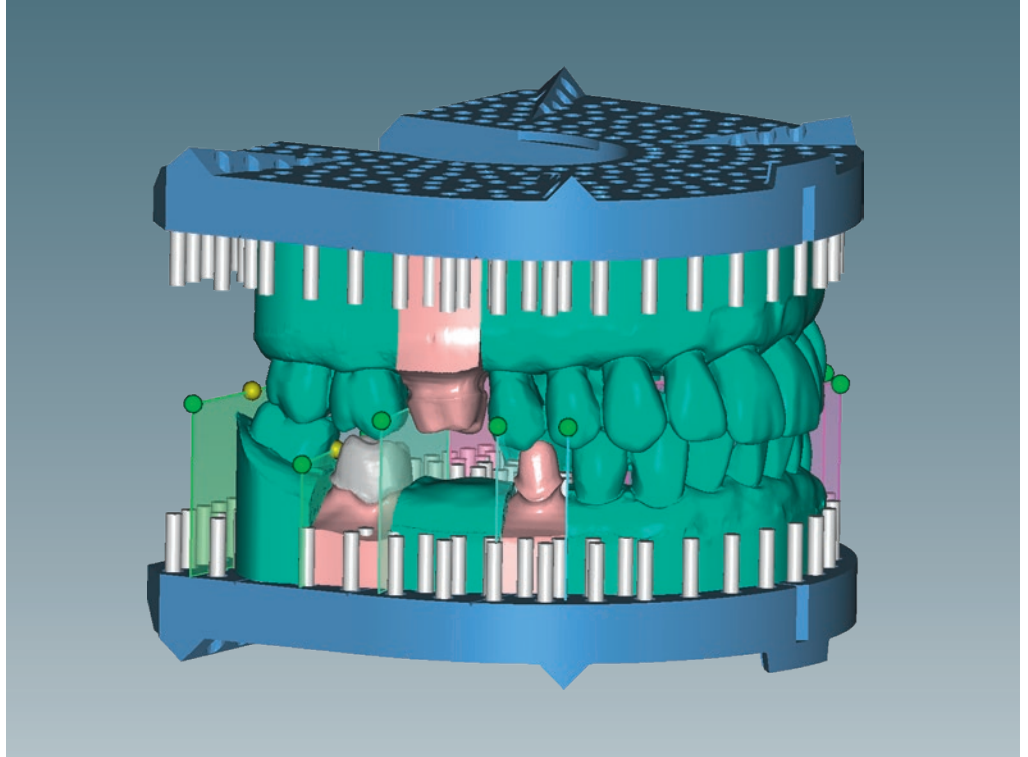
A virtual preparation margin is defined paragingivally on the as yet unprepared teeth on the scanned anatomical model. The temporary restoration designed later is produced as a shell of uniform thickness and the outer form of the unprepared tooth of the patient situation or library teeth. The final temporary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

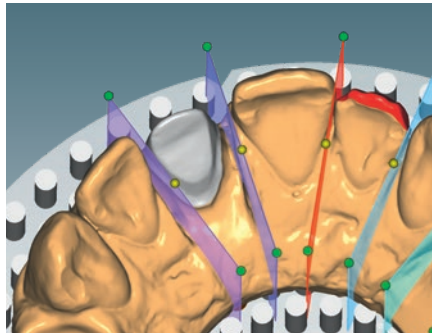
Ceramill M-Build is a software module for digital model fabrication based on intraoral scan data. The Ceramill Mind upgrade is always used to full effect if chairside indications require manual working stages or controls using a model. Without loss of precision and using the method familiar from the 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



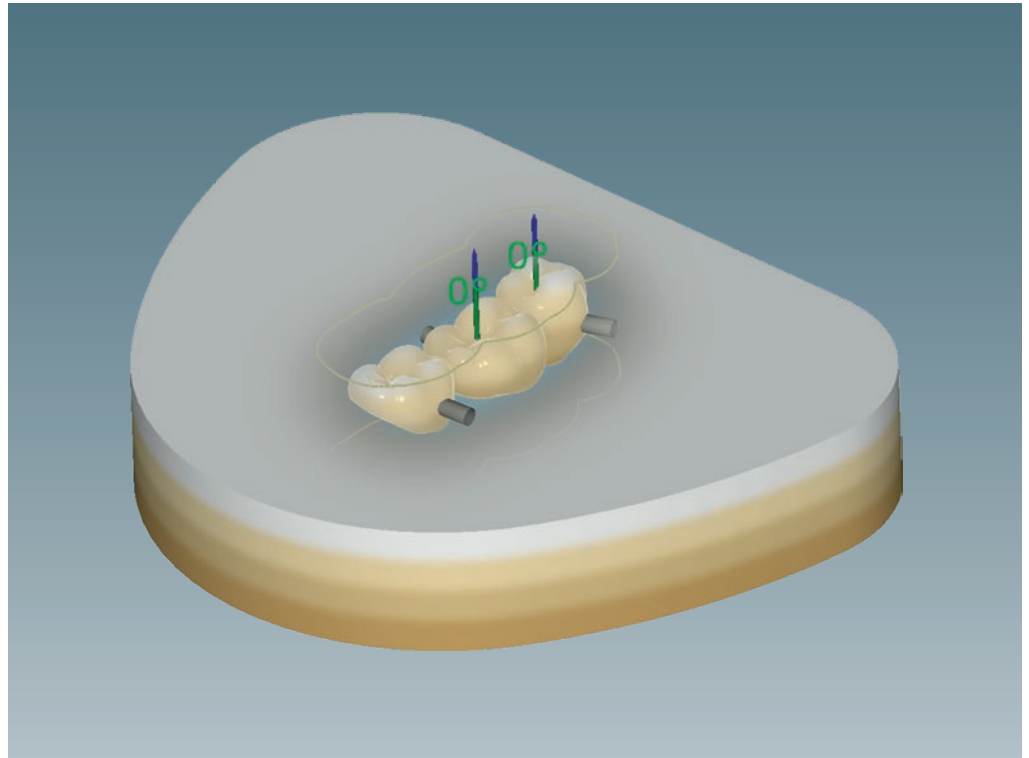
Place virtual saw cuts



Ceramill M-Build Starter Kit

DESIGNING AND NESTING IN TRUE SHADES

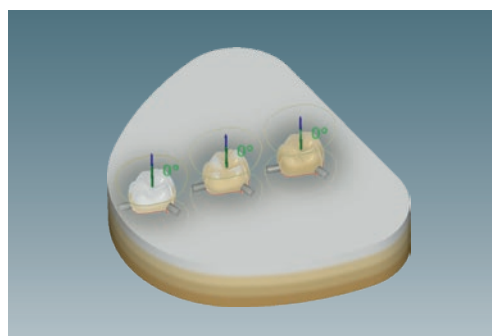
Restorations are visualised with a natural shade gradient using Ceramill Trusmile and displayed like the finished restoration in the CAD and CAM software. Scans or precision attachments such as telescope crowns or bars can also be reproduced specific to the material via Ceramill Trusmile. This already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



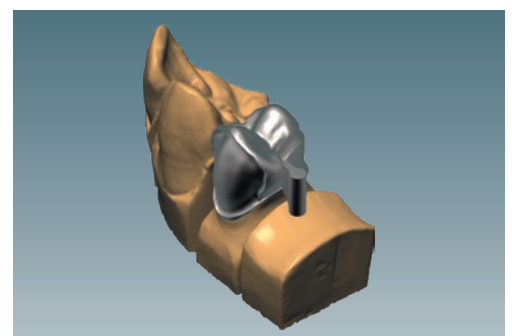
_ Visualisation of restorations with natural tooth shade gradient

_ 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



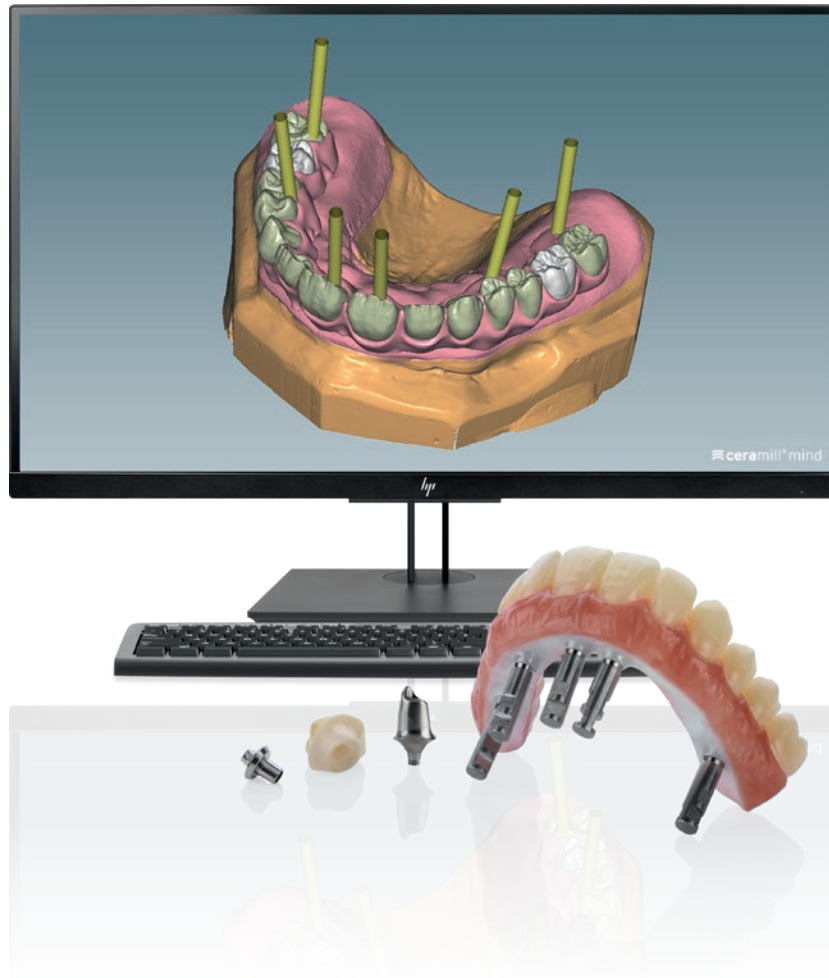
Realistic visualisation of the shade gradient of Ceramill Zolid FX Multilayer



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 in-house concept surrounding the Ceramill milling units and the CAD software Ceramill Mind, Amann Girrbach makes it possible to manufacture abutments for all common implant systems and techniques with maximum precision and with 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.



Upgrade module ►

ceramill® dicom viewer

Communication and visualisation module based on Dicom data.



Accessory ►

ceramill® ti-connect ceramill® ti-forms

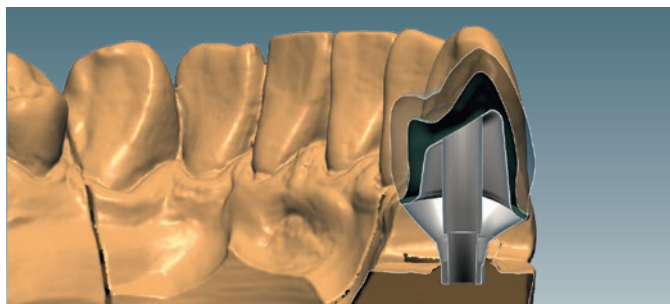
Titanium bases for individual single abutments and multi-pontic, screw-retained restorations as well as titanium abutment blanks for all common implant systems.



Accessories for the fabrication of implant-supported restorations can be found in our "Ceramill Implant Prosthetics" catalogs or online at www.amannirrbach.com/downloads

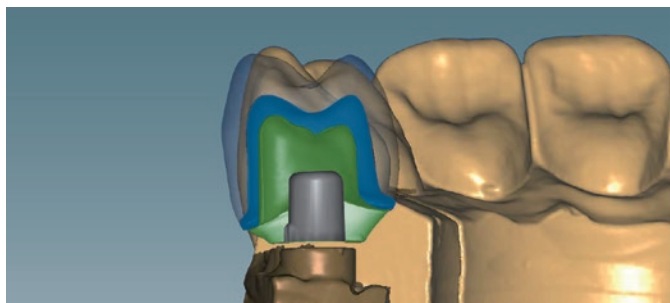
CUSTOMISED IMPLANT ABUTMENTS FOR ALL CONVENTIONAL SYSTEMS AND TECHNIQUES

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.



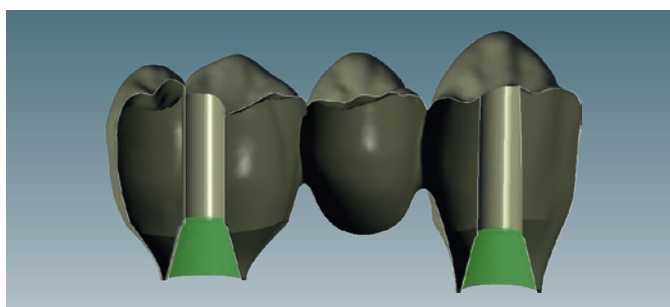
CUSTOMISED, ONE-PIECE TITANIUM ABUTMENTS

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



CUSTOMISED HYBRID ABUTMENTS

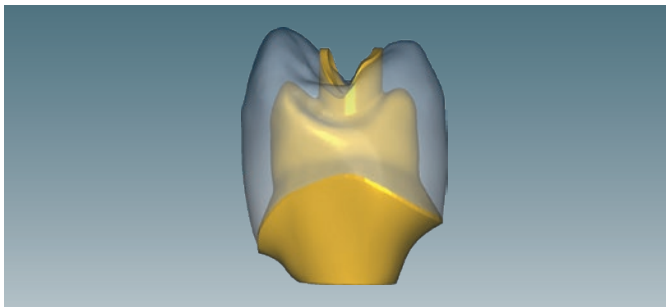
Fabrication of individual abutments on titanium bases.



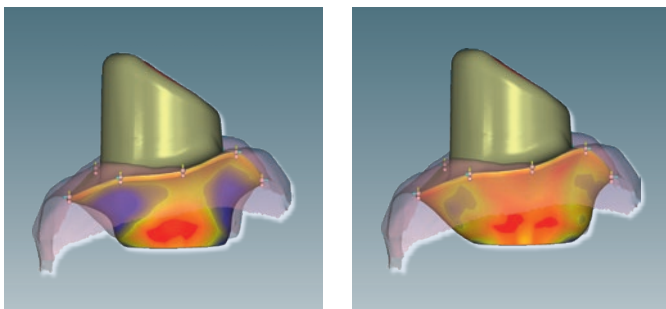
MULTI-UNIT, SCREW-RETAINED BRIDGES AND BAR CONSTRUCTIONS

Fabrication of multi-pontic, screw-retained bridges and bar constructions on titanium bases.

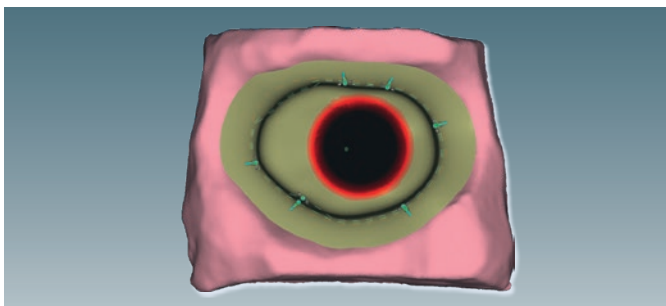
The clearly structured design of the user interface enables an effortless and easy construction of abutments and bridge restorations. The different functions available for the free and flexible design of abutment and emergence profile provide a high degree of freedom for the customised design and natural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



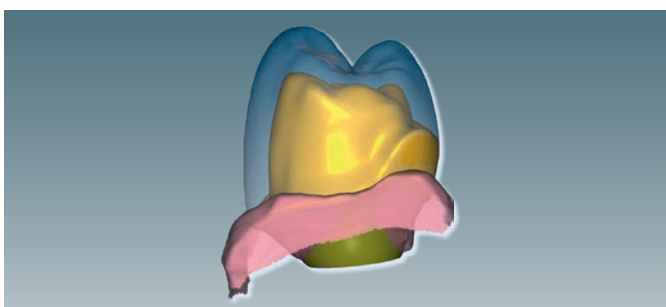
Extension of the screw channel to the occlusal surface facilitates veneering of the screw-retained abutment and protects the screw channel against porcelain material.



Customised adaptation of the gingival emergence profile.



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

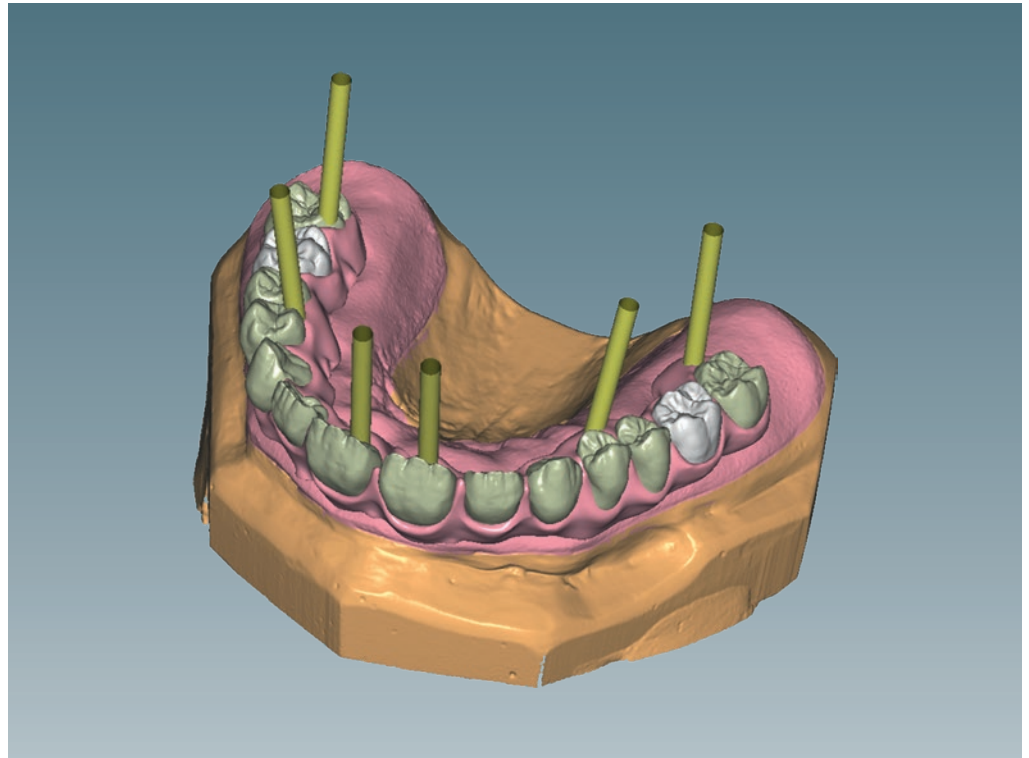


Possibility of automatic, customised design of the collar for supporting the porcelain.

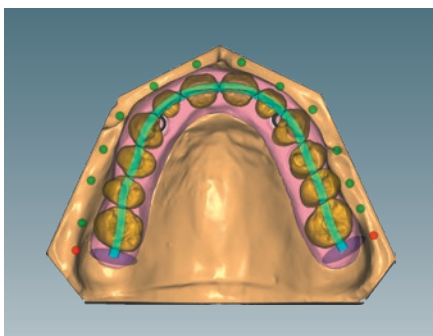
FABRICATE AN IMPLANT BRIDGE WITH GINGIVA SECTION RELIABLY, QUICKLY AND VERY EASILY

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.

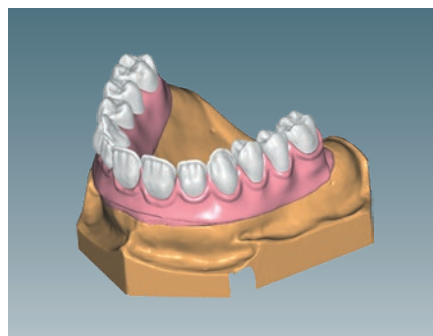
 **ceramill® mikro 5X** ✓
 **ceramill® motion 2 5X** ✓



- _ 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

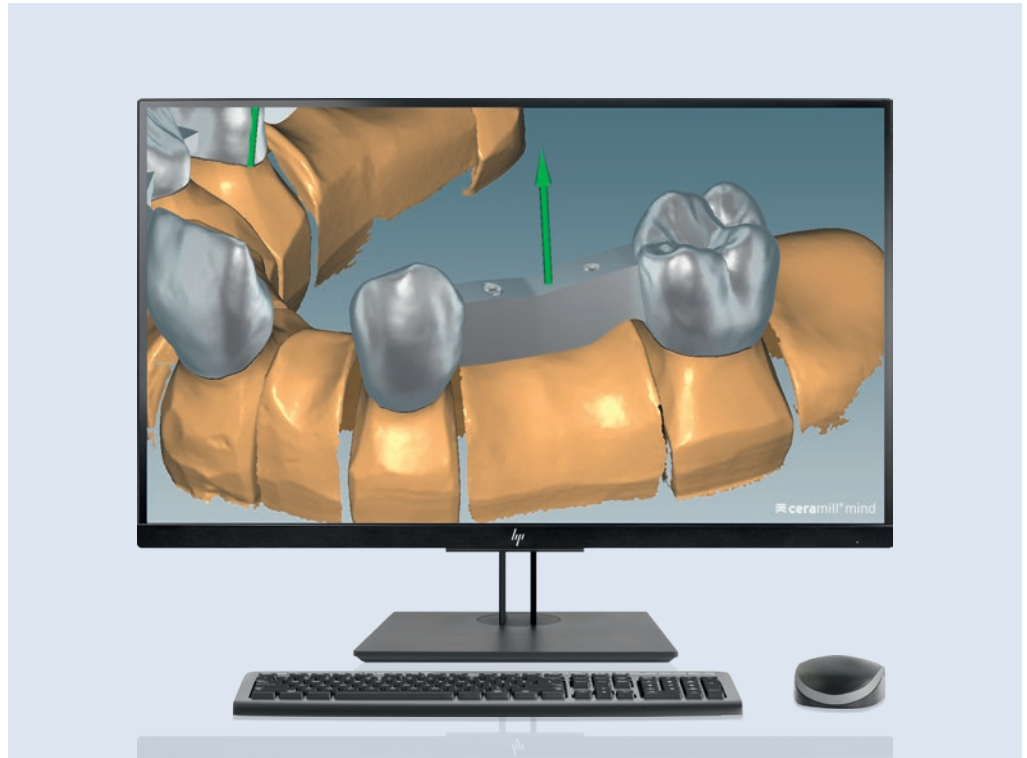


5-axis external processing for the finest detail definition

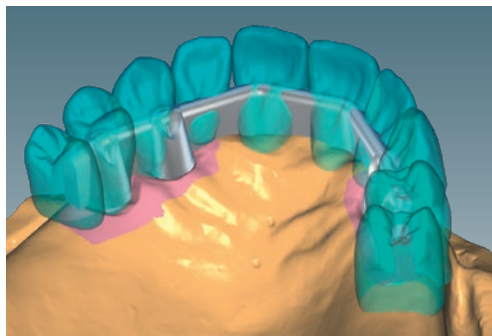
INHOUSE FABRICATION OF CUSTOMISED BARS MADE FROM CERAMILL SINTRON (CoCr) OR WAX

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.

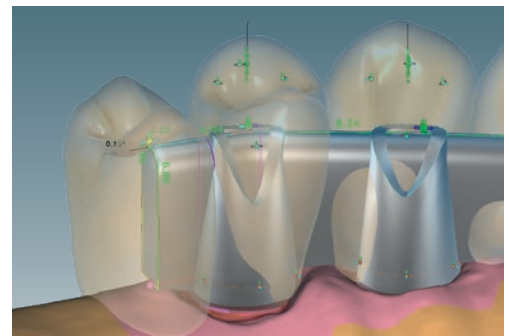
ceramill® mikro 5X ✓
ceramill® motion 2 5X ✓



- _ Precise and efficient in-house fabrication of stress-free, implant-supported screw-retained bars on 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

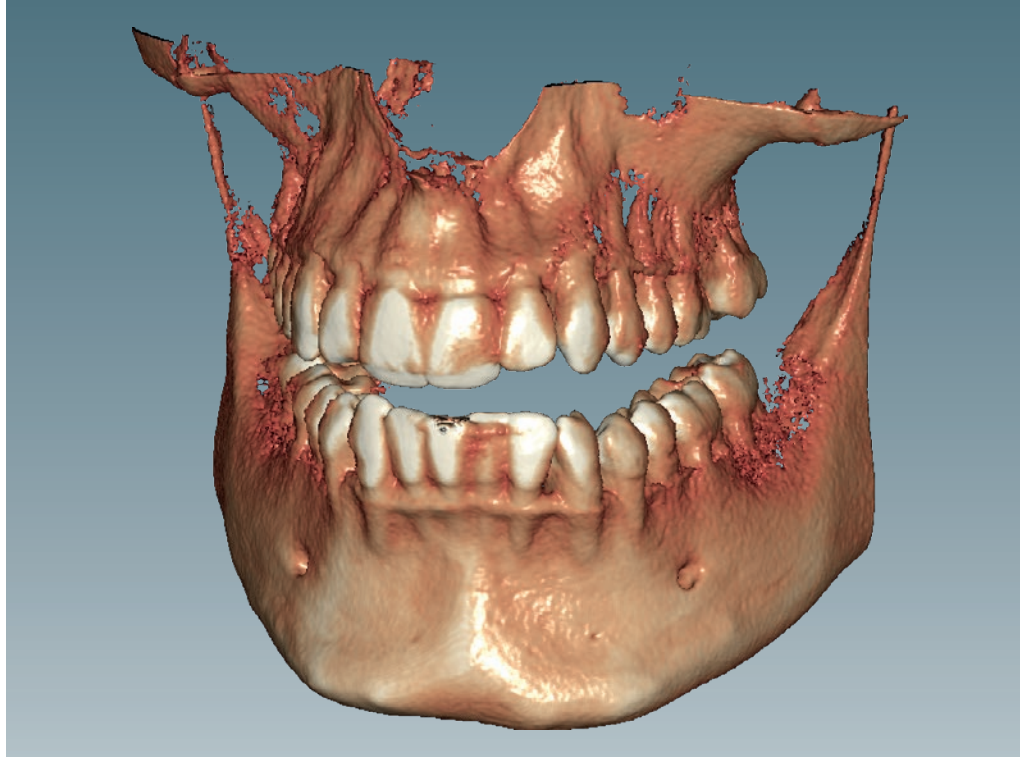
VISUALISATION AND COMMUNICATION SOFTWARE BASED ON DICOM DATA

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.

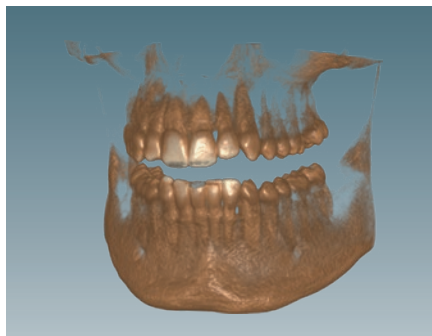
The Dicom Viewer is not intended for diagnostic or medical purposes.



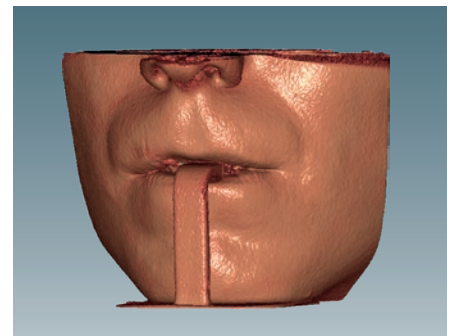
- _ Visualisation of Dicom formats and merging with STL data in the Ceramill Mind CAD software**
- _ Quality assured patient treatment due to easier, more precise communication between the dentist and laboratory**
- _ Control and information possibility during the design, e.g. of abutments**



Dicom data as 3-dimensional radiographic image



Display of deep lying structures



Visualisation of superficial facial structures

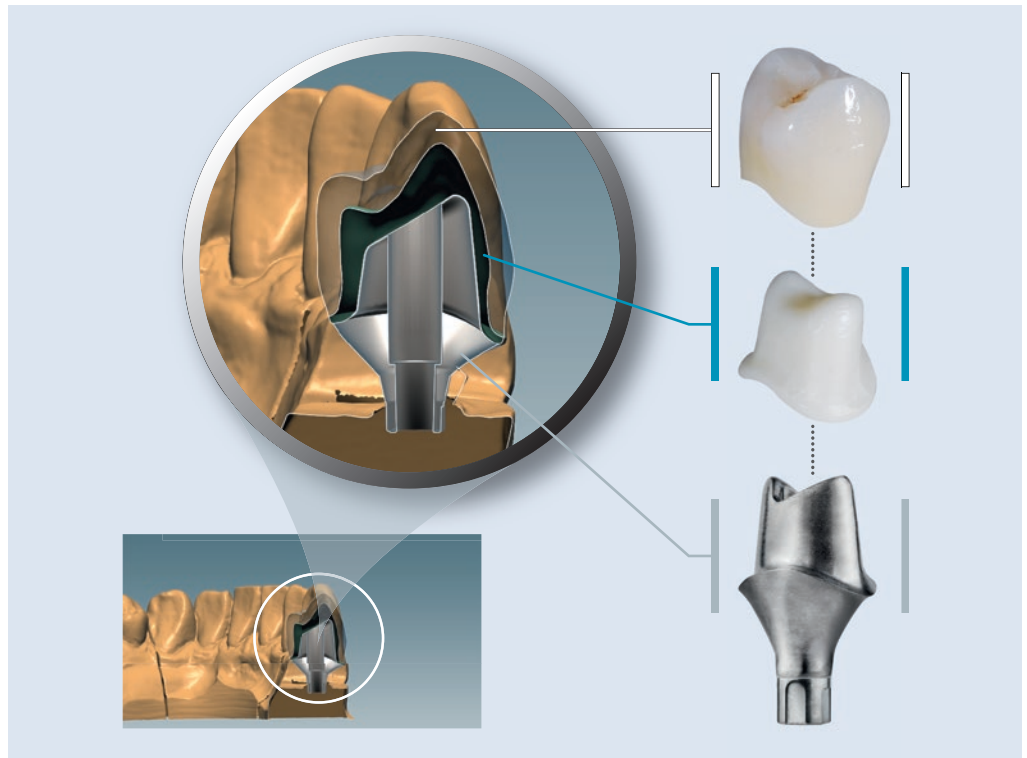
TITANIUM ABUTMENT BLANKS WITH PREFABRICATED CONNECTION GEOMETRY

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.

✓



_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



Further compatible implant systems can be found in our two "Ceramill Implant Prosthetics" catalogs or online at www.amannjirrbach.com/downloads

CERAMILL TI-FORMS

Implant manufacturer	Implant systems
Altatec®	Camlog®, Conelog®
BEGO Implant Systems®	Semados® S / RI / RS / RSX
BIOMET 3i®	External Hex
Bredent Medical®	SKY®
DENTSPLY Implants®	ASTRA TECH OsseoSpeed® EV, ASTRA TECH OsseoSpeed® TX, XIVE® S
Medentis Medical®	ICX®
Nobel Biocare®	Brånemark®, NobelActive®, NobelReplace® Conical, NobelReplace® Tapered
Straumann®	Bone Level®, Tissue Level®
Zimmer Dental®	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 components for implant systems not listed in our catalogs are to 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 Ceramill milling machines with a wet milling function for processing blanks.

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



- _ 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**

More about Ceramill TI-Forms as well as accessories for the fabrication of implant-supported restorations can be found in our two "Ceramill Implant Prosthetics" catalogs or online at www.amanngirrbach.com/downloads



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



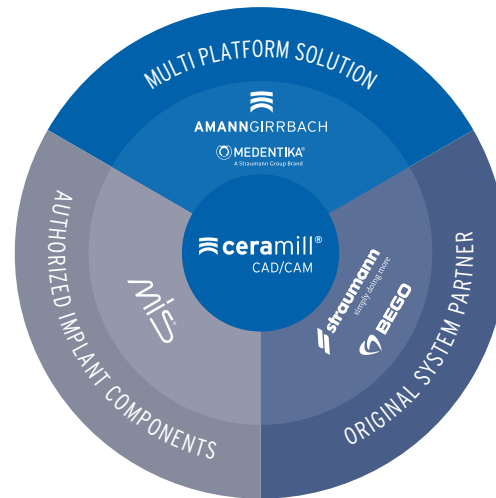
Ceramill TI-Forms blank and milled titanium abutment



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

IMPLANT PROSTHETICS FOR CERAMILL CAD/CAM

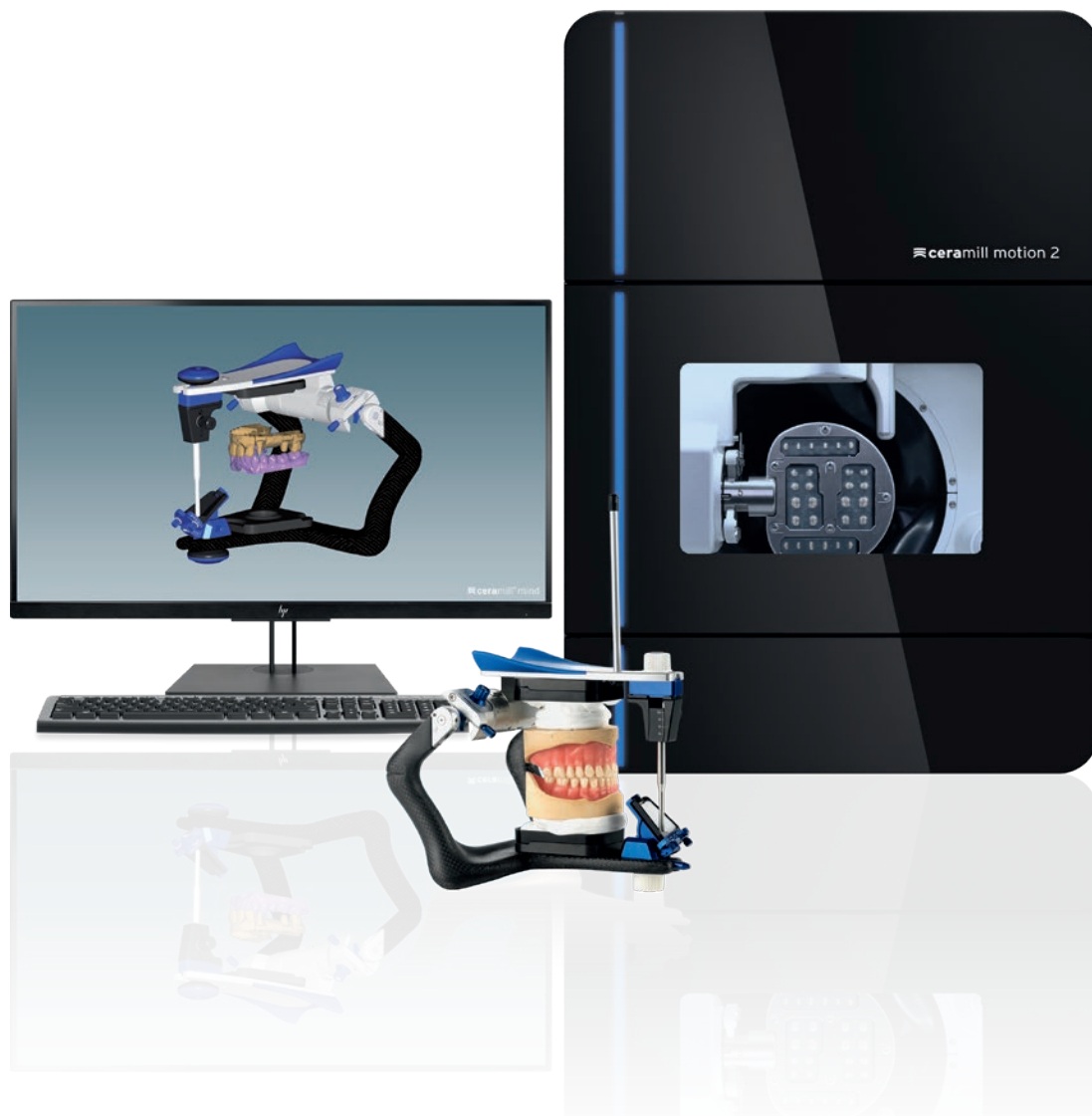
An extremely wide product portfolio is available for the fabrication of implant-supported restorations with the system components of our Ceramill implant prosthetic range. We are individually adapting our range perfectly coordinated to your requirements or options. In accordance with the holistic philosophy of Amann Girrbach, all AG implant prosthetic components have been seamlessly integrated into the Ceramill CAD/CAM system architecture. You benefit from a high degree of process reliability, maximum precision and an efficient laboratory routine. Our range is continually being extended to include new implant lines to ensure maximum variety.



Multi Platform Solution für Ceramill CAD/CAM	Original System Partner für Ceramill CAD/CAM	Authorized Implant Components für Ceramill CAD/CAM
All from one supplier and can be ordered from Amann Girrbach	All from one supplier and can be ordered from Amann Girrbach	Data and components should be ordered from the implant manufacturer
We provide innovative solutions for a variety of implant restorations with the Multi Platform Solution for Ceramill CAD/CAM Extensive implant prosthetic components for all conventional implant systems and treatment options are being continually extended.	Prosthetic components from ORIGINAL implant companies Premium implant manufacturer quality now in-house using Ceramill CAD/CAM	Prosthetic components from ORIGINAL implant companies Individual integration of implant libraries in the open Ceramill system
+ Excellent precision in combination with excellent price-performance ratio	+ Original implant connection geometries > including maximum value creation and precision	+ Continually increasing selection of available implant prosthetic components of regional and nationwide implant manufacturers
+ Innovative, individual implant prosthetic solutions - the variety is being continually extended	+ A perfectly matching system: coordinated design in combination with highly precise fabrication in the Ceramill CAD/CAM system	+ Original implant connection geometries > including maximum value creation and precision
+ Design and results perfectly coordinated to the Ceramill system	+ Fully integrated prosthetic components in the Ceramill system	+ Manufacturer's guarantee
+ Perfect and fully integrated solutions for the Ceramill system	+ Manufacturer's guarantee	

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.

VITA VIONIC® SOLUTIONS



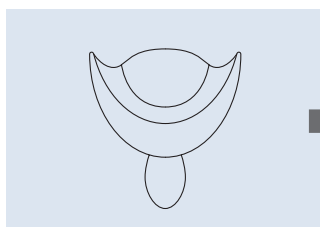
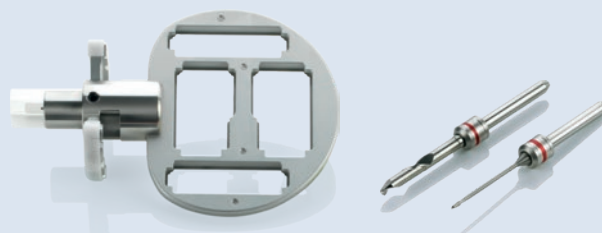
KULZER
DENTAL CHEMICALS GROUP



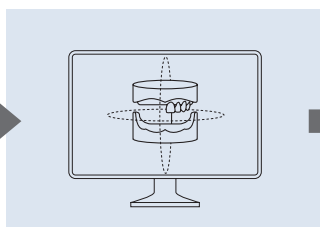
Accessories ▶

Accessories

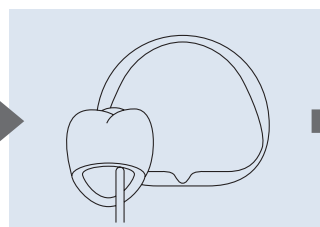
Blank holders and milling tools for perfect fabrication.



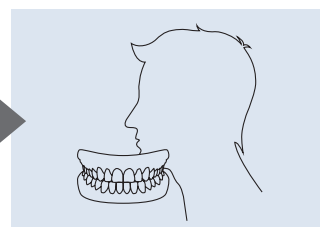
Impression taking and digitisation of patient data



Model scan and functional design



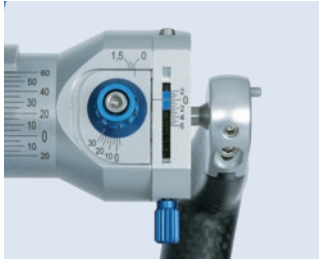
Milling the wax base / Adapting the tooth bases



Functional denture with possibility of conversion

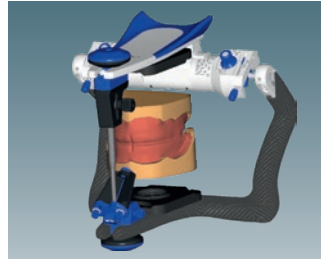
VITA VIONIC - CERAMILL OFFICIAL CAD/CAM SYSTEM PARTNER

DIGITALISE THE PATIENT SITUATION



Functional scanning and digitalisation of patient data with Artex articulators and Ceramill transfer kit

SCANNING



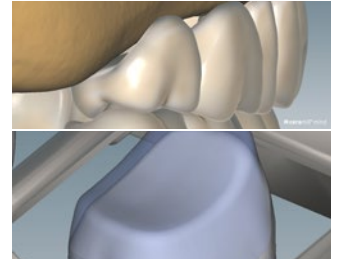
Scanning of the patient data using the Ceramill Map 400 scanner

DESIGNING



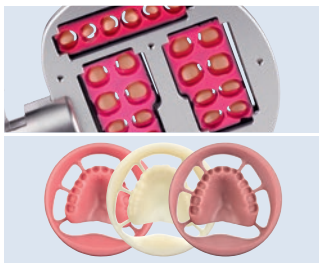
Design of the full denture using the Ceramill D-Flow software

BASAL AND CONICAL ADAPTATION



Conical basal adaptation of each tooth for a perfect fit in the tooth sockets, particularly important when milling acrylic denture bases

MILLING (WET) IN ACRYLIC OR WAX



VITA VIONIC blanks

CONNECTING USING WAX OR ADHESIVE



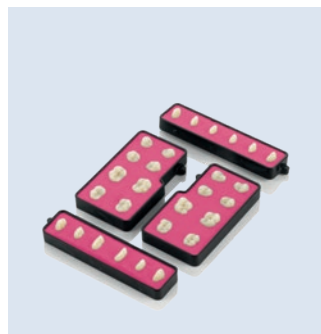
VITA VIONIC BOND
For fixation of the denture teeth in the acrylic base

CONTROL



Control of the function with the possibility of adjustment (wax try in) and removal of high spots

- _Time saving:** Full dentures 100% digital, no manual pressing procedure
- _Safety:** Try-in at the patient mouth using the monoblock denture feature
- _Full denture knowledge integrated:** 4 different setting up concepts available in the CAD software
- _Highly individual:** Position of denture teeth can be customized in the CAD Software
- _Process safety:** 100% integrated in Ceramill FDA for a smooth workflow
- _Quality:** Due to minimal residual monomer of the resin denture bases



VITA VIONIC Frames



VITA VIONIC Wax for the try-in and VITA VIONIC Base for the resin denture base

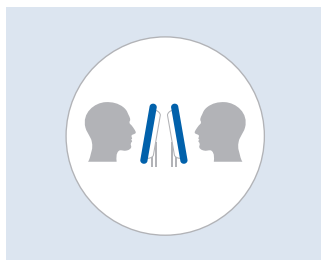


VITA VIONIC Bond - Fixation components for denture teeth and VMLC Flow finishing components

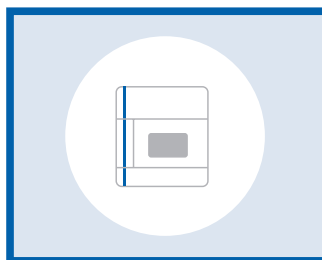
BALTIC DENTURE SYSTEM - OFFIZIELLER CERAMILL CAD/CAM SYSTEM PARTNER

PRACTICE & PATIENT

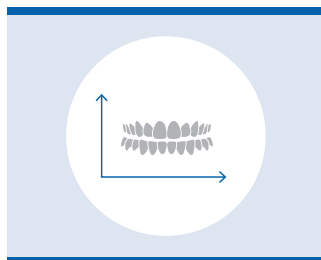
DENTAL LAB



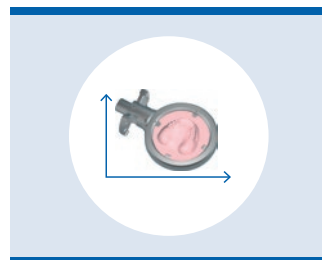
Functional impression, bite registration and transfer, all in one with the [®]KEY[®] Set



Ceramill DB
Ceramill Map 400



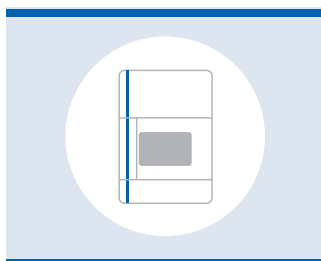
[®]Creator[®] PLUS



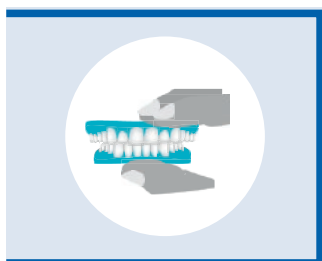
Ceramill Match 2

DENTAL LAB

PRACTICE & PATIENT



Ceramill Motion 2 (5X)



Finishing



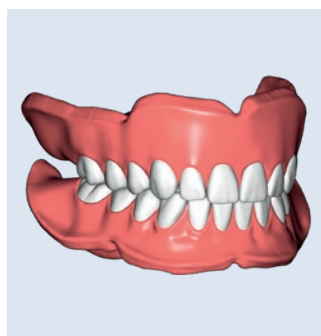
Fitting



Dentist Set: BD-Key-Set, [®]Key[®] PMMA, [®]Impress[®]



Scan holder for Ceramill Map 400
Blank holder for Ceramill Motion 2 (5X)



[®]Creator[®] PLUS- CAD Software



[®]Loads[®] -prefabricated denture blanks

INDIVIDUAL DIGITAL PARTIAL DENTURE FRAMEWORKS

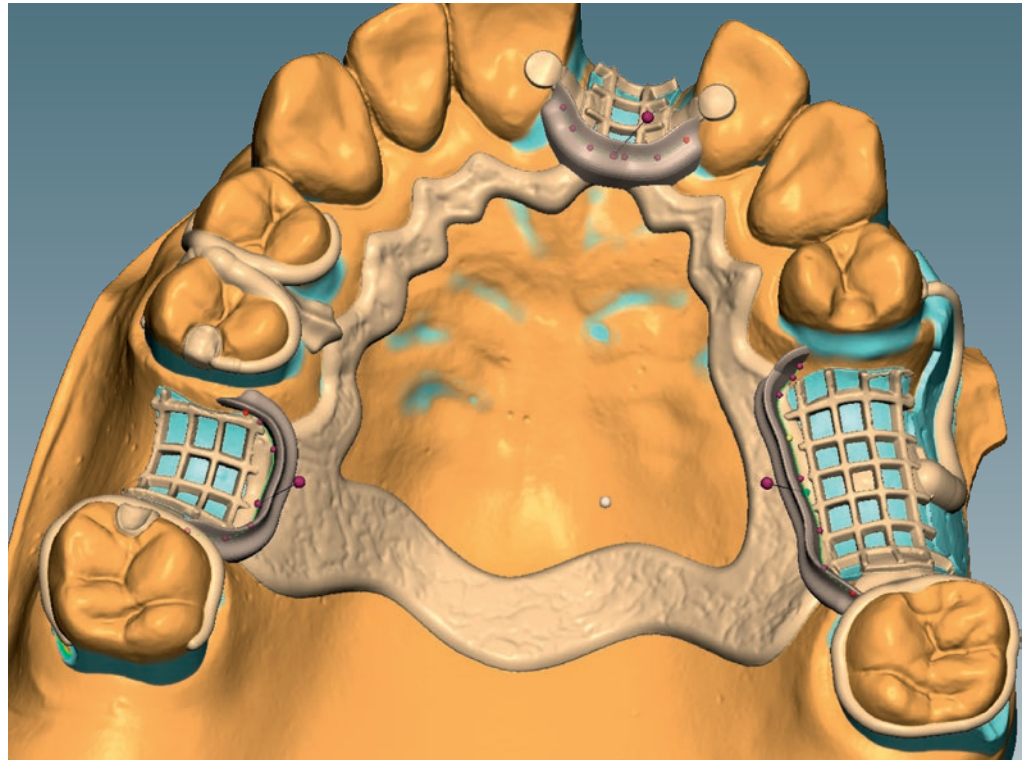
The Ceramill M-Part software module was developed specifically for preparing customized partial denture frameworks.

The dental technician's dental experience is transferred directly into the digital environment, making the laboratory workflows considerably easier.

The coordinated workflow in the Ceramill Mind and the option of digital backward planning lead to a perfect design of the frameworks for partial dentures.

Blocking of undercuts is performed automatically and at the push of a button. The connectors and clasp arms are created according to individual parameters, thus offering greater process safety in the laboratory.

Retention grids are automatically blocked with a defined value and are therefore optimally prepared for later completion in resin.

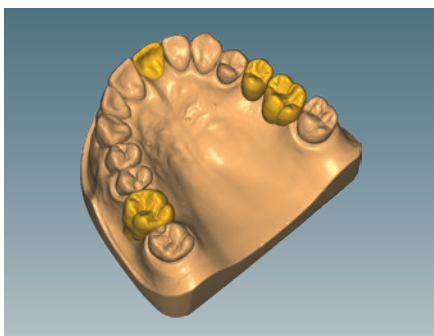


_ High time gains through automatic blocking of undercuts at the push of a button and reproducibility just-in-time

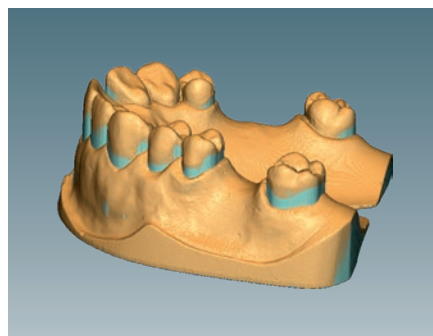
_ Economic efficiency in the laboratory - fabricating frameworks for partial dentures digitally without great effort at good prices

_ Process safety & efficiency through matched workflow and easy-to-check design results

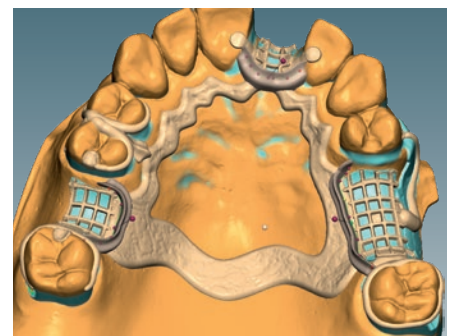
_ Digital backward planning offers a high safety level for framework design



Virtual backward planning



Precise identification of the prosthetic equator and the thus resulting undercuts as well as automatic blocking of the undercuts in defined insertion direction



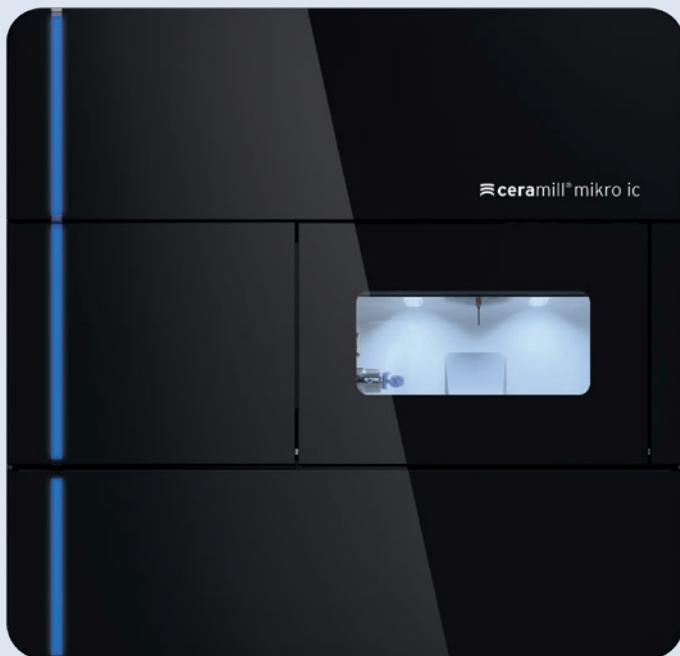
Optimal clasp and connector design as well as easy profile design of the transition between metal and acrylic

PRODUCTION / CAM

≡ ceramill® mikro	58
≡ ceramill® motion 2	61
≡ ceramill® match 2	66
≡ ceramill® mindserve	67

DNA GENERATION.
POWER + DENTAL INTELLIGENCE = PERFORMANCE

PRODUCTION / CAM



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 / TEMP Multilayer	Acrylic, PMMA stained	~	
Ceramill Splintec / Splintec Standard	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			

ALL-IN



	MILLING	MILLING	MILLING*, GRINDING, CARVING, THRILLING	MILLING, GRINDING, CARVING, THRILLING
	○	○		○
	○	○	○	○
	○	○		○
	○	○	○	○
	○	○	○	○
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				○

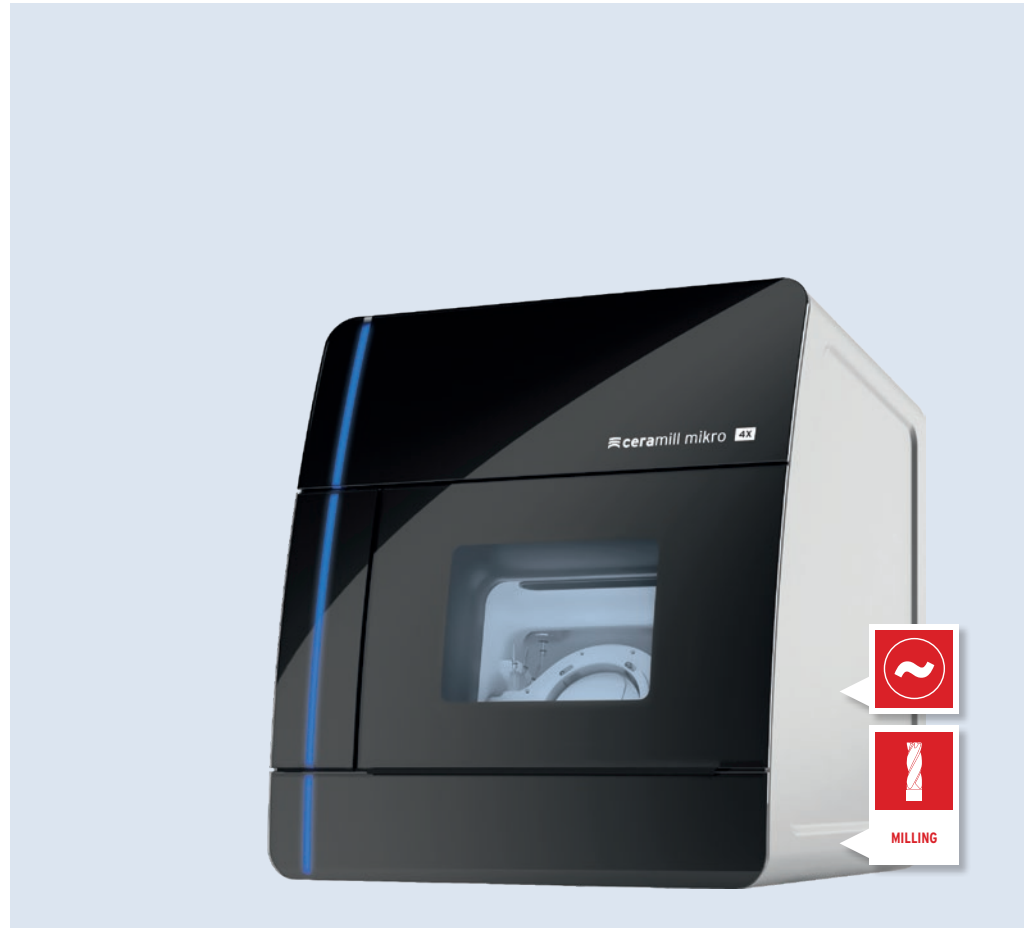
PRODUCTION / CAM

* coming soon

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.



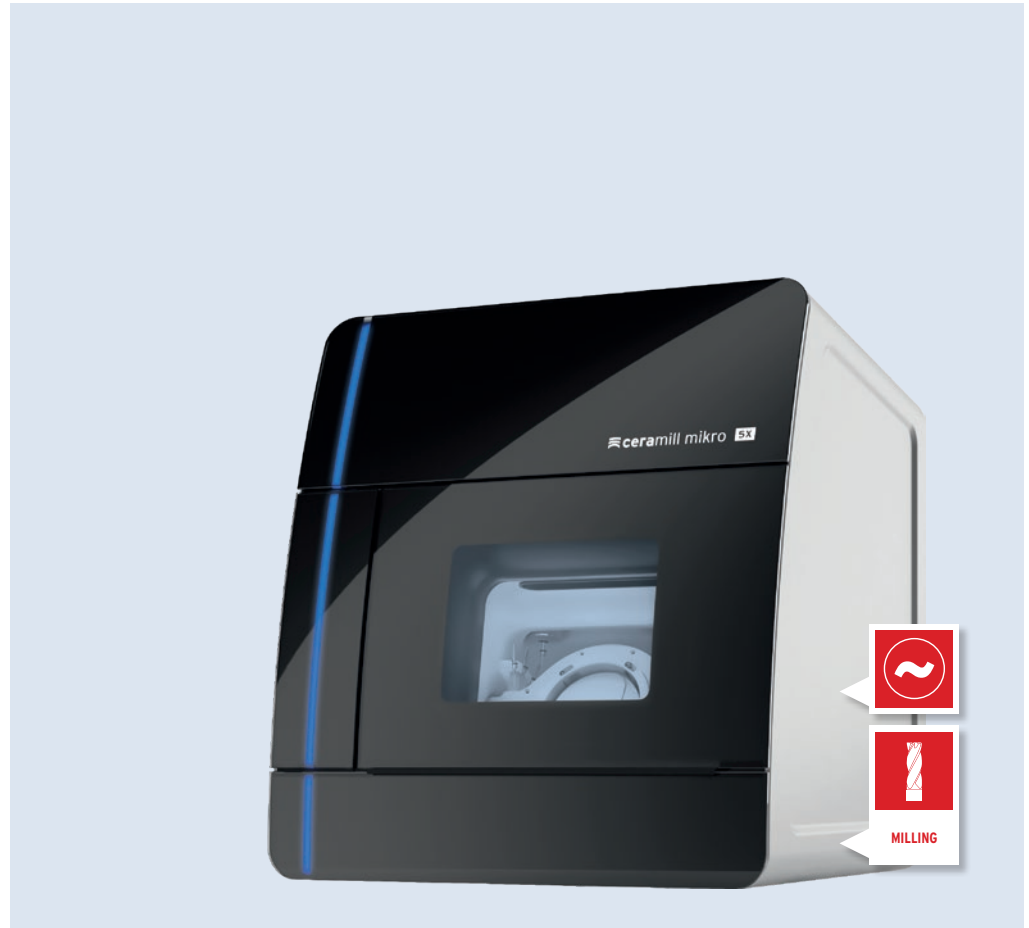
- _High Performance milling due to DNA milling strategies
- _Easy entry or efficient upgrading thanks to low investment costs and high amortisation
- _Highly versatile due to 4-axis dry processing of blanks and hybrid ceramic blocks
- _Precise and durable thanks to high-quality components and robust 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
- _ 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, the solidly designed axis system as well as powerful high-frequency spindles transfer the respective milling strategies precisely and at high feed speeds to the workpiece. This is particularly effective when grinding in the "Carving Mode". This innovative grinding process reduces the processing times of single blocks up to 60%. With the new "Thrilling Mode", it is also possible to "thrill" block assemblies including the connection geometries from standard CAD blocks. This is yet another profitable in-house indication which finds its way back into the laboratory and expands the versatile Ceramill CAD/CAM portfolio.



- _ 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. Furthermore, the innovative machining strategies for the rotational milling of Ti Preforms, the Carving Mode as well as the Thrilling Mode round off the versatility of the system.



- _High Performance milling, grinding, carving, thrilling 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

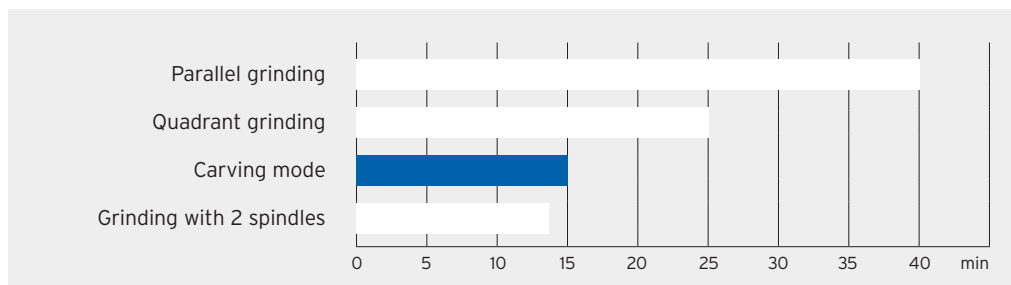


5-axis exterior processing using Ceramill CAD/CAM

Basal adaptation of denture teeth

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. 15 min./crown).



Time-saving
"Carving mode"



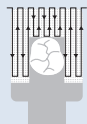
Ceramill DNA Generation

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)

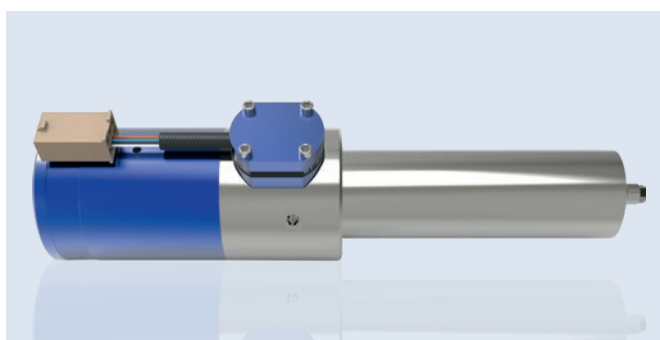
Standard milling-grinding strategies*
RPM: 30,000
Output: 250 W

= 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

Ceramill Mikro 4X	Material Item No.	Material 71 179186	Material 98 179295	3x Composite 179245	Cutter/Grinder
					
Blanks	Zirconia	○	○		Roto
	Acrylics (Wax, TEMP, PMMA, etc.)	○	○		Roto
	Soft CoCr	○	○		Roto
Blocks	Zirconia			○	Roto
	Acrylics (TEMP, etc.)			○	Roto
	Hybrids			○	Roto DMB DC

Ceramill Mikro 5X	Material Item No.	Material 71 179332	Material 98 179331	3x Composite 179245	Cutter/Grinder
					
Blanks	Zirconia	○	○		Roto
	Acrylics (Wax, TEMP, PMMA, etc.)	○	○		Roto
	Soft CoCr	○	○		Roto
Blocks	Zirconia			○	Roto
	Acrylics (TEMP, etc.)			○	Roto
	Hybrids			○	Roto DMB DC

Ceramill Mikro IC	Material Item No.	Grinding AG/Universal 179610 179611	3x Grinding AG/Universal 179615 179616	Milling AG 179613	3x Milling AG 179617	Rotational mil- ling 179614	Cutter/Grinder
							
Blocks (grinding)	Glass-ceramics	○	○				Roto Diamond
	Hybrids	○	○				Roto Diamond
	Lithium disilicate	○	○				Roto Diamond
	Others						Roto Diamond
Blocks (milling)	Zirconia			○	○		Roto
	TEMP/PMMA			○	○		Roto DMB DC
	Titanium					○	Roto TI

* Processing only possible in Ceramill Motion 2

	Art. No.	Description	Ring color	Ceramill DNA Milling Units				Material													
				Mikro 4X	Mikro 5X	Mikro 1C	Motion 2	Zolid Zirconia	Ceramill Sintron	Ceramill M-Plast	Ceramill PMMA	Ceramill Peek	Ceramill Wax	Ceramill D-Set	Ceramill Splintec	Ceramill D-Wax	Ceramill Ti-Forms	Glass-ceramics	Lithium disilicate	Hybrid ceramic	VITA VIONIC/BDS
	760605	Roto 2.5	grey	○	○		○	○	○		○	○	○		○						
	760604	Roto 1.0	grey	○	○		○	○	○	○*	○	○	○		○						
	760606	Roto 0.6	grey	○	○		○	○	○		○	○	○		○						
	760607	Roto 0.3	grey	○	○		○	○	○	○*	○	○	○		○						
	760616	Roto TI 2.0	black			○	○										○				
	760615	Roto TI 1.0	black			○	○										○				
	760634	Roto SC 2.5	yellow		○		○								○						
	760648	Diamond 1.8	orange			○	○											○	○	○	
	760649	Diamond 1.4	orange			○	○											○	○	○	
	760650	Diamond 1.0	orange			○	○											○	○	○	
	760651	Diamond 0.4	orange			○	○											○	○	○	
	760608	Roto DMB DC 2.5	white	○	○	○	○				○			○						○	
	760609	Roto DMB DC 1.0	white	○	○	○	○				○			○						○	
	760613	Roto DMB DC 0.6	white	○	○	○	○				○									○	
	760614	Roto DMB DC 0.3	white	○	○	○	○				○									○	
	760640	Roto KF 2.5 Red	red				○			○											
	760641	Roto B2.0 Red	red				○			○											
	760633	Roto 3.0 Red	red				○			○											
	760630	Roto SF 1,2 Green - for calibration	green				○						○			○					
	760631	Roto 1.0 Red	red				○						○			○					
	760633	Roto 3.0 Red	red				○						○			○					
	760642	Roto 2,5 Pink	pink																		○
	760643	Roto 1,5 Pink	pink																		○

HIGH DEFINITION CAD/CAM FOR ALL MATERIALS AND INDICATIONS

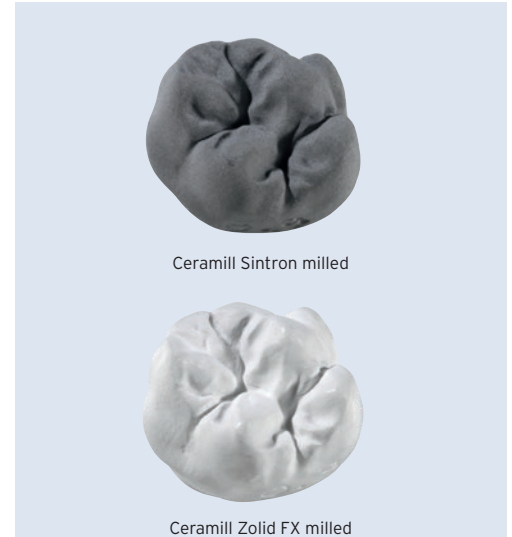
MILLING IN HD QUALITY:

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

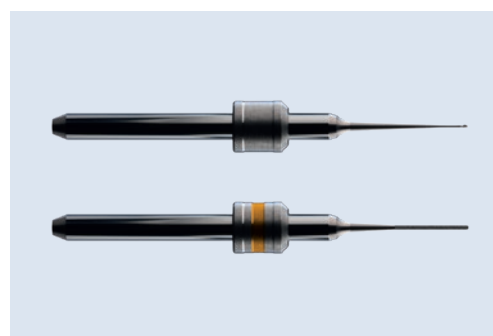
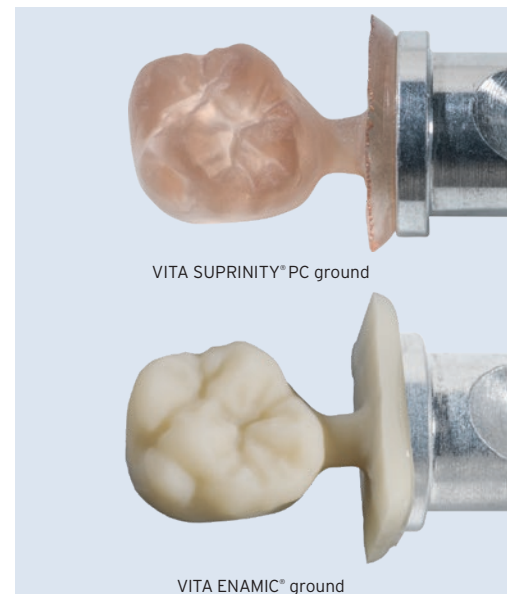
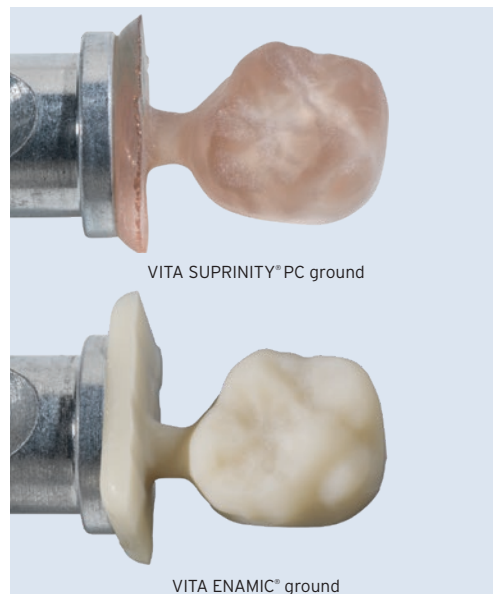


HIGH DEFINITION (HD)



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.



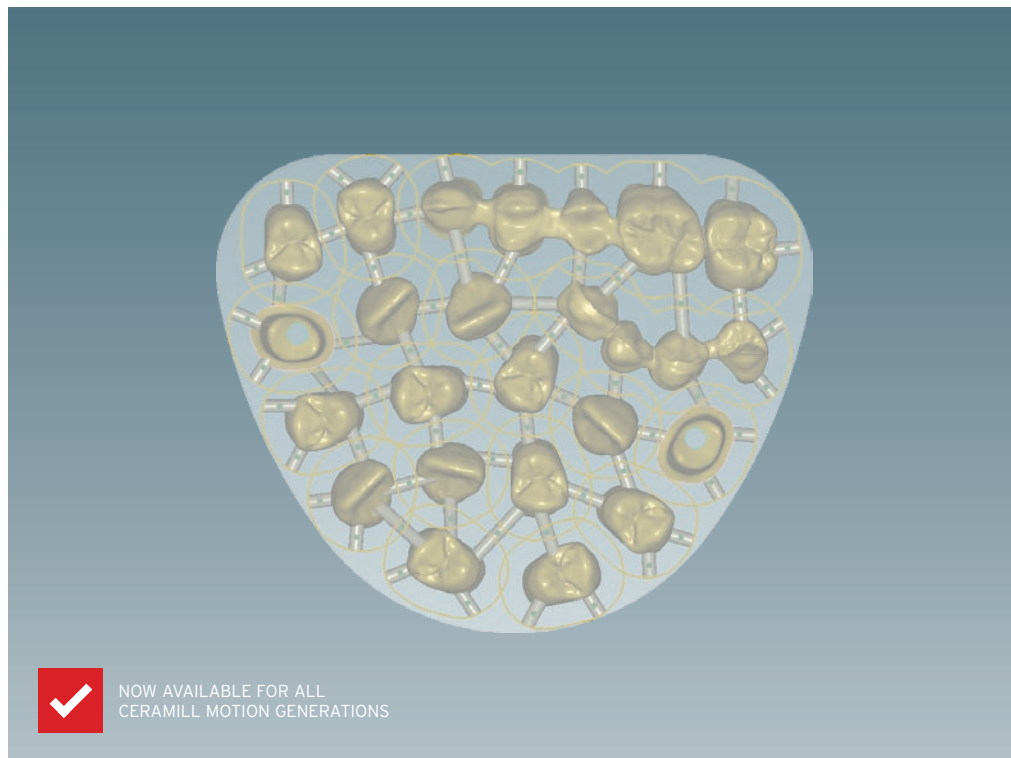
0.3mm cutter and 0.4mm trimmer



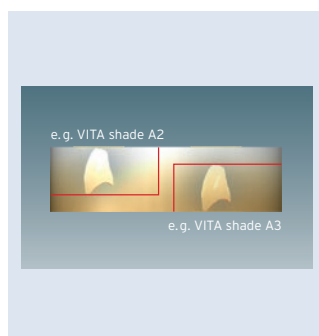
VITA SUPRINITY® PC sintered/Ceramill HD - without preparation and reworking

INHOUSE MILLING WITH PREMIUM PERFORMANCE, USABILITY AND PRECISION

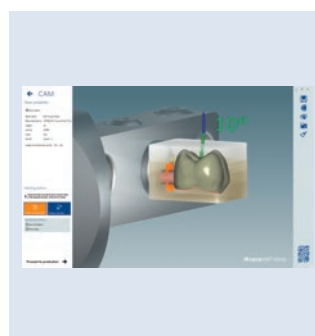
The automatic and transparent user interface of the Ceramill Match 2 CAM software form the basis for a reliable and easy operation. No CAM or milling know-how is required to use it. Even users with little experience may quickly and easily establish the milling programs to manufacture crowns and bridge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



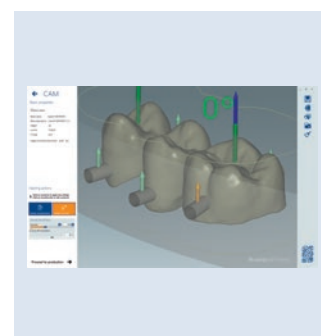
- _ Easy positioning and aligning of frameworks in the blank**
- _ Easy changing of the position, size and alignment of connectors**
- _ Speedy calculation of milling paths**
- _ Sinter cushion in thermodynamically optimum design shape for accurately fitting sintering of long-span zirconia restorations**



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

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

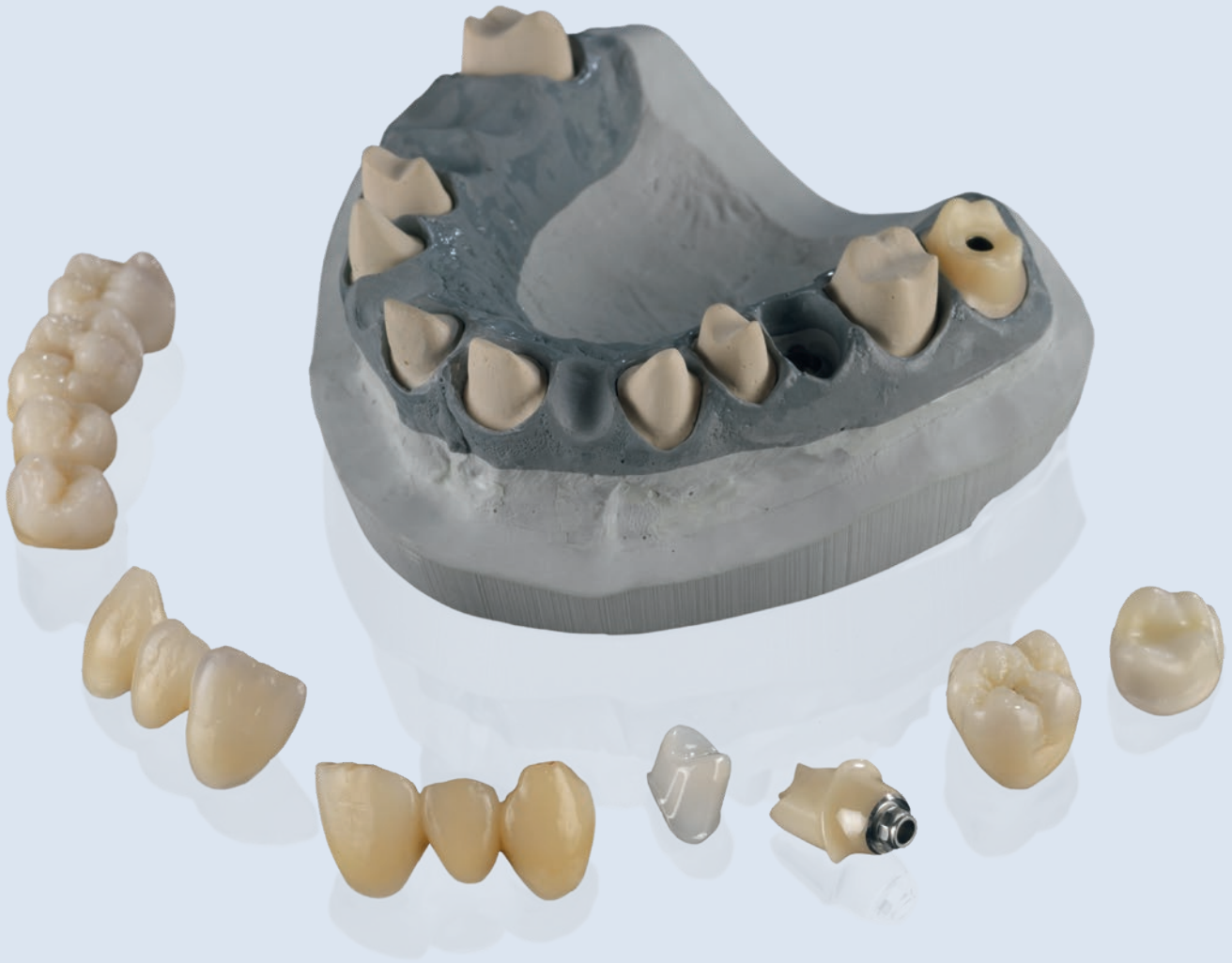
Zirconia

≡ zolid fx multilayer	72
≡ zolid fx preshades	73
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≡ zi	77
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CoCr Sinter metal







≡ ceramill ® sintron	79
≡ ceramill ® argotherm 2 / argovent 2	81

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.

	LT LOW TRANSLUCENCY (LT) ZIRCONIA	HT+ HIGH TRANSLUCENCY (HT+) ZIRCONIA	SHT SUPER HIGH TRANSLUCENCY (SHT) ZIRCONIA
MULTILAYER (with natural shade gradient)			zolid fx multilayer  16 A-D VITA SHADES
PRESHADE (pre-stained)		zolid ht+ preshades  16 A-D VITA SHADES	zolid fx preshades  6 BASIC SHADES
WHITE (white)	zi white  Ceramill Liquid "New Formula"	zolid ht+ white  Ceramill Liquid "New Formula"	zolid fx white  Ceramill Liquid FX
	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

EFFICIENCY →

CERAMILL CAD/CAM MATERIAL

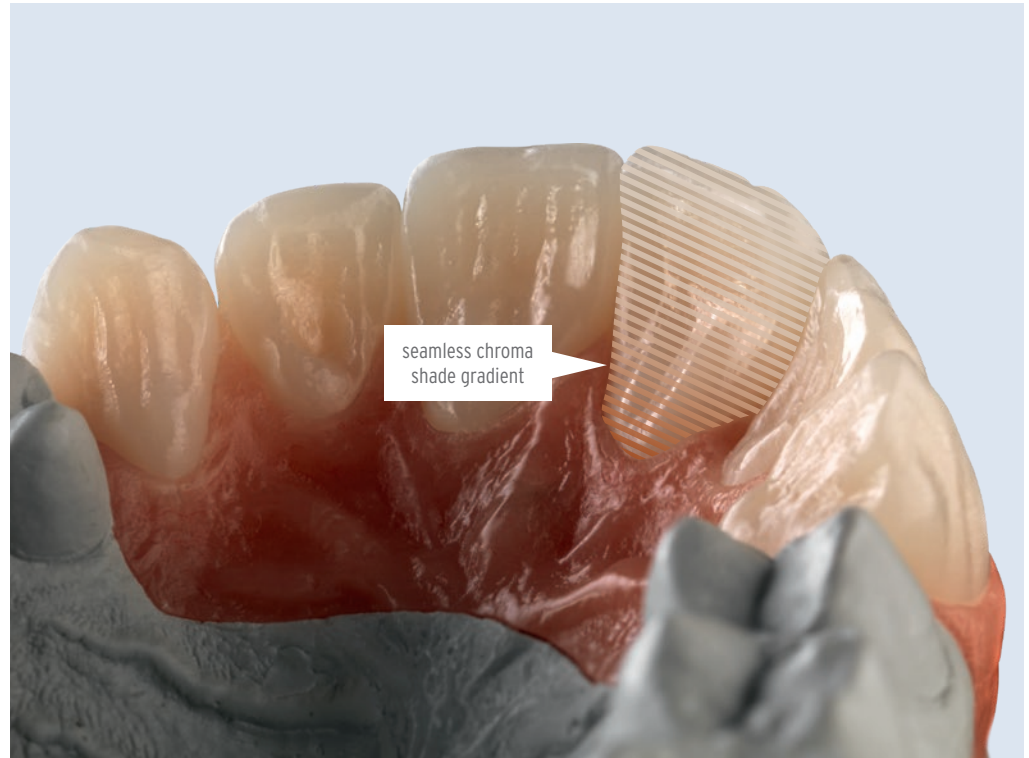
ZIRCONIA

- _ 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
- _ Comprehensive training offer for processing the Zolid DNA generation

POLYCHROMATIC, SUPER-HIGH TRANSLUCENT ZIRCONIA (SHT)

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.



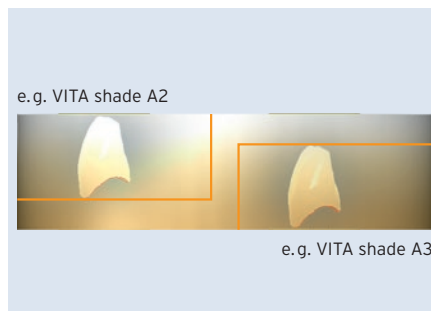
- _ Continuous shade and translucency gradient for smooth shade transitions without shade edges, and natural aesthetics**
- _ High bending strength in comparison with glass-ceramics enables fabrication of up to 3-unit bridges, including in the molar region**
- _ Intelligent nesting concept guarantees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



More about Zolid FX Multilayer at www.amannirrbach.com/downloads



Zolid FX Multilayer blanks



Intelligent nesting concept according to the Vita classical shade guide



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

SUPER HIGH-TRANSLUCENT ZIRCONIA (SHT)

Zolid FX Preshades are pre-stained, super-high translucent zirconia blanks for monolithic or anatomically reduced anterior restorations and up to 3-unit bridges in the molar region.

The blanks, which are homogeneously stained throughout in an industrial process, can be sintered directly after milling. The blanks are available in different shade gradations and users benefit from increased shade stability and accelerated, economic fabrication of highly aesthetic restorations.



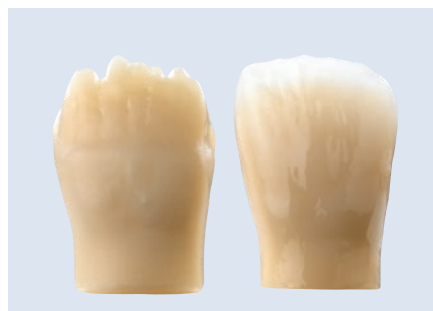
- _Super-high translucent, pre-stained zirconia for the highest demands of efficiency and aesthetics**
- _High flexural strength enables the fabrication of up to 3-unit bridges, including in the molar region**
- _Shade and process reliability by pre-stained blanks ensures easy, time-saving processing**



More about 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

SUPER HIGH-TRANSLUCENT ZIRCONIA (SHT)

Zolid FX White, these are super-high translucent zirconia blanks used for monolithic or anatomically reduced anterior restorations and up to 3-unit bridges in the molar region. The high-performance ceramic combines the outstanding processing characteristics of zirconia with comparable translucency previously only known in lithium disilicate. The result is highly aesthetic restorations with permanent strength and stability. Restorations are processed and fitted intraorally without additional cost using commercially available luting material.



- _Super-high translucent zirconia for highly aesthetic results in the anterior and posterior regions**
- _High bending strength compared with glass-ceramics enables fabrication of up to 3-unit bridges, including in the molar region**
- _Intelligent, simple shade concept with the Ceramill Liquids FX according to the VITA classical shade guide**



More about Zolid FX White at
www.amannirrbach.com/downloads



Zolid FX White blanks



Ceramill Liquid FX colour solutions
for Zolid FX White



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

HIGH-TRANSLUCENT ZIRCONIA (HT)

Zolid HT+ is a highly translucent zirconium oxide which combines high mechanical characteristics with outstanding aesthetics. With its extreme edge stability, Zolid HT+ allows delicate margin design when processed with CAD/CAM. Available in 16 VITA classical tooth shades, the processing of Zolid HT+ Preshades guarantees an efficient workflow with maximum colour stability, even for large-span bridges. The range of 16 Zolid HT+ Preshade blanks allows achieving all 16 VITA tooth shades with only 7 blanks using the Ceramill Stain & Glaze Essential Kit and by applying a sophisticated stain technique.



- _ High level aesthetics with a natural look due to increased translucency**
- _ High efficiency and maximum colour stability through pre-stained blanks**
- _ A strength of 1,000 MPa enables a broad spectrum of indications**
- _ Intelligent staining concept with Ceramill Stain & Glaze allows achieving 16 VITA shades with only 7 blanks**



High efficiency and maximum color stability due to pre-stained blanks in 16 VITA colors



Ceramill Stain & Glaze stains and glazing materials for „16 from 7 - concept“* or for final aesthetic customisation.

* see instructions „Staining technique“



Due to the high strength, up to 14-pontic bridges can be fabricated with Ceramill Zolid HT+ Preshades

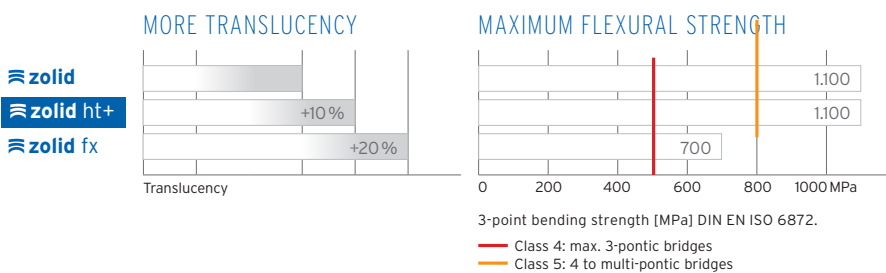
HIGH-TRANSLUCENT ZIRCONIA (HT)

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

The optimized manufacturing process also has a positive effect on the milling aspects of processing. Otherwise nothing has changed in processing - Zolid HT+ is integrated harmoniously into the Amann Girrbach zirconium oxide fabrication workflow. The "new formula" Ceramill Liquids are matched perfectly to Zolid HT+ and achieve highly esthetic color shade results corresponding to the VITA shade guide.



- _ Full indication spectrum through high flexural strength of 1,100 MPa
- _ Top level aesthetics with natural look due to increased translucency
- _ Optimised processing integrated harmoniously into the AG zirconium oxide workflow



More about Zolid HT+ White at
www.amanngirrbach.com/downloads



Perfectly customised colour shade results with "new formula" Ceramill Liquids



Outstanding edge stability through optimised processing properties



Perfect for implant-supported large-span work

LOW TRANSLUCENT ZIRCONIA (LT)

High strength, rigidity and biocompatibility are outstanding characteristics of 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. ZI frameworks can be customised individually with the Ceramill Colouring Liquids New Formula 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 ZI at
www.amannirrbach.com/downloads



ZI White blanks



Ceramill Liquid CL & Ceramill Liquid New Formula
 Staining Solutions for ZI White



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, 4 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, 4 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.



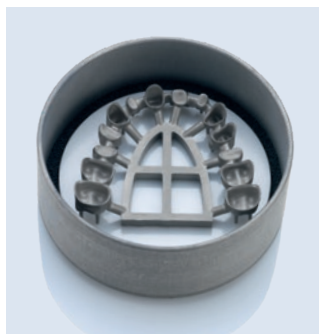
- _Wax-like texture for minimum cutter wear and effortless milling in the dry mode**
- _Easy handling thanks to easy reworking and finishing of milled restorations in the green state**
- _Maximum process reliability thanks to homogeneous, distortion-free framework**
- _Excellent strength values, bonding strength and biocompatibility**



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

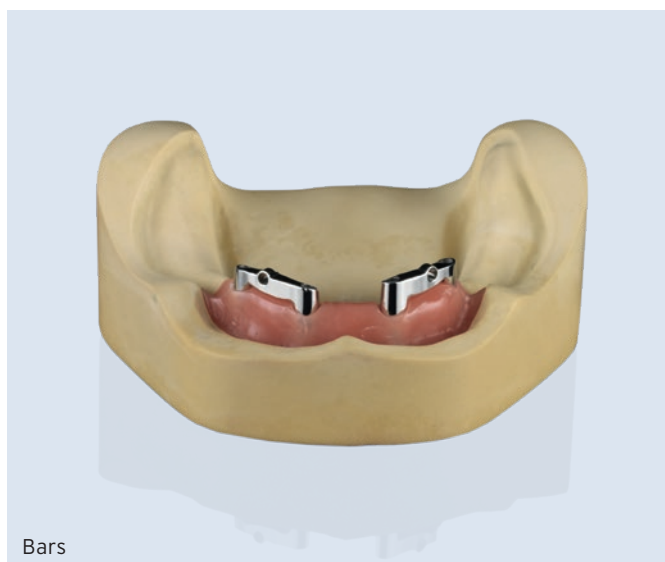
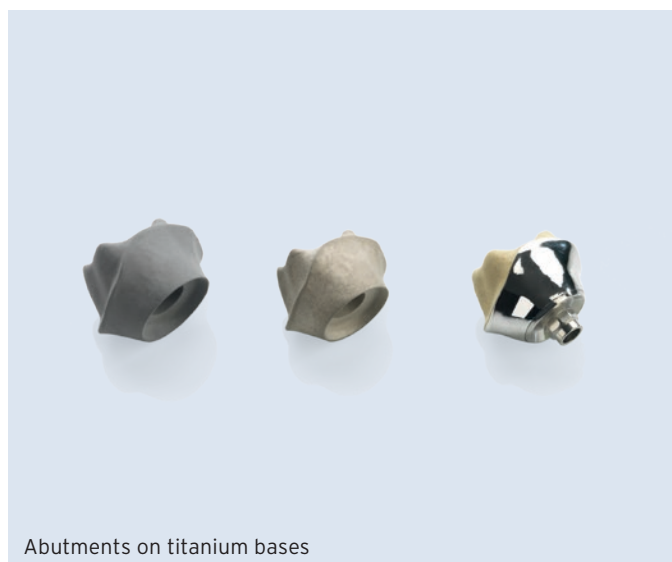


Ceramill Float Sintering



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

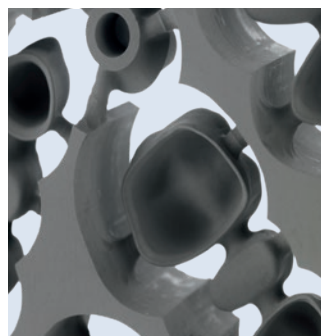
The CoCr sintering furnace Ceramill Argotherm 2 is an integral part of a system with optimally coordinated components for processing the sinter metal Ceramill Sintron. Only the perfect adaptation of sinter metal, processing in the CAD/CAM system and completion in the sintering furnace ensure consistently 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 2 sinter chamber, ensures minimal consumption of argon gas and homogeneous, distortion-free sintering of the restorations.



- _ Constantly high sinter quality thanks to the specially developed sinter programme**
- _ Integrated compressed-air and shielding gas monitoring ensure maximum process reliability and minimum shielding gas consumption**
- _ Sintering at the press of a button - easy to operate using touch-screen technology with sinter-progress and time-remaining display**
- _ Capacity per sinter cycle: up to 40 units**

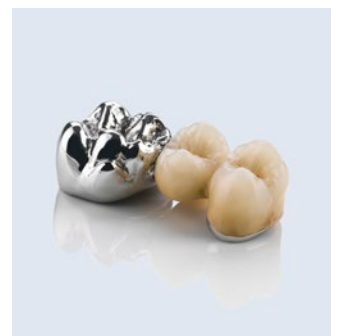
More about Ceramill Sintron at
www.amanngirrbach.com/downloads



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)	

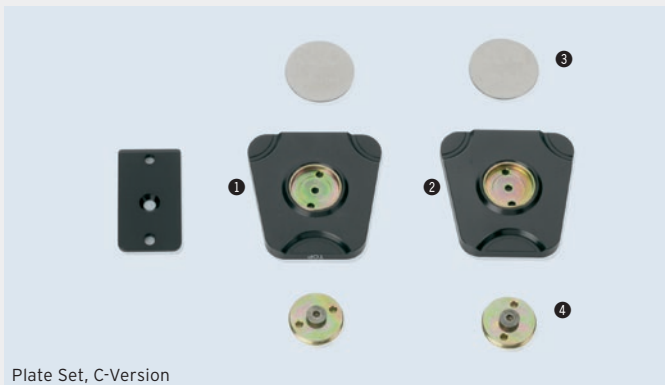


Plate Set, C-Version



Mounting tool

Splitex Disc Set

216100C	① - ④ 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	
216150	③ Retention Disks (Set: 2 pcs. included)	100 / pkg.
216111C	④ Splitex Magnet (Set: 2 pcs. included)	
216170	Splitex Screws max./mand.	2 / pkg.
216140	Splitex Magnets	6 pcs.
216113C	⑤ Mounting tool for magnetic holder	



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: 2.800min⁻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	1 Tungsten carbide burr	
176733	2 Impression Carrier 2x	
321070	3 NT-Cutter	
359010	4 Hammer with Aluminium handle	
576450	5 Giroform Pins	1,000 / pkg.
576461	6 Giroform Putty	1 kg
576710	7 Giroform Base Plate Premium +	100 / pkg.
5767501	8 Giroform Secondary Plate XL with magnet	5 / pkg.
576765	9 Adjustment Plate clear	2 / pkg.
576950	10 Giroform sleeve "kombi"	
576805	11 Giroform space retainer foil	50 / pkg.
815300	12 Arbor band mandrel 2.35 mm	
815330	13 Arbor band, grain 120	50 / pkg.
990252	14 Timer	



Giroform Base Plates, 100 pcs.

576710	1 Giroform Premium+ L (incl. metal disc)	
576745	Giroform Premium+ XL (incl. metal disc)	
576747	Premium+ L blue (incl. metal disc)	
576720	2 Giroform Classic L	
576740	Giroform Classic XL	
576726	3 Giroform Classic L blue	
576765	4 Giroform Adjustment Plate L	2 pcs.
576766	Giroform Adjustment Plate XL	2 pcs.



Giroform Secondary Plate

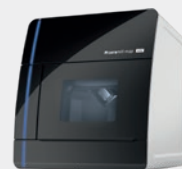
576750	L with magnet	50 pcs.
576751	XL with magnet	50 pcs.



Giroform Pins

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

Technical Data:



Ceramill	Map 200+	Map 400+	
Art.Nr.	179130NC	179140NC	
Dimensions D/W/H (mm)	390 x 360 x 310	465 x 515 x 585	
Weight (kg)	11	35	
Power supply (V/A)	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/min ⁻¹)			
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	



	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 / 50-60 Hz	100-230 V / 50-60 Hz	100-230 V / 50-60 Hz	100-230 V / 50-60 Hz
	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

System requirements:

- _ 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)

	PC Standard	PC Premium
Art.Nr. Set	179070	179071
Processor speed/model	Intel i7	Intel i7 7820X
Memory	16 GB RAM	32GB RAM
Hard drive	256 GB SSD + 1 TB SATA	1 TB SSD
Graphics	5GB	8GB
Operating system	Windows 10	Windows 10
Monitor	21.5 Zoll	27 Zoll
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



Ceramill Code Scanner

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

179195 Ceramill Code Scanner

Requirement: Ceramill Match 2



Ceramill Transferkit

For the digitization of models with jaw relation.
Suitable for all Map 400 generations.

179113 Ceramill Transferkit



Universal carrier plate

For scanning different model systems.
Suitable for all Map 200 and Map 400 generations.

179125 Universal support plate set incl. fixing pins and spring

179118 Universal support plate

179119 Fixing pins incl. fixing spring



BD Key Scan Holder

Impression holder for scanning impressions in the Baltic Denture System. Suitable for all Map 200 and Map 400 generations.
(Only in conjunction with 179138/179139 Impression Holder).

179134 BD Key Scan Holder



Multi Die Halter

For scanning up to 12 stumps in a single scanning process. Suitable for all Map 200 and Map 400 generations.
(Only in conjunction with the universal support plate).

179136 M-Die Map 200

179137 M-Die Map 400



Automatic impression holder

Impression holder with automatic tilting function.
Suitable for all Map 200/Map 400 generations.

179138 Impression Holder Map 200

179139 Impression Holder Map 400



Ceramill Mind
CAD Software Base version

179150 Ceramill Mind



Ceramill M-Plant
Upgrade for Ceramill Mind

179152 Ceramill M-Plant



Ceramill Artex
Upgrade for Ceramill Mind

179151 Ceramill Artex



Ceramill M-Gin
Upgrade for Ceramill Mind

179145 Ceramill M-Gin



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 M-Bars²
Upgrade for Ceramill Mind

179166 Ceramill M-Bars²



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 Dicom Viewer¹
Upgrade for Ceramill Mind

179146 Ceramill Dicom Viewer¹



Ceramill M-Splint²
Upgrade for Ceramill Mind

179165 Ceramill M-Splint²



Ceramill D-Flow²
Upgrade for Ceramill Mind

179147 Ceramill D-Flow²



Ceramill Microshell²
Upgrade for Ceramill Mind

179148 Ceramill Microshell²



Ceramill M-Part³
Upgrade for Ceramill Mind

179702 Ceramill M-Part³



Ceramill M-Build²
Upgrade for Ceramill Mind

179167 Ceramill M-Build²



⁸⁰Creator[®] Plus³
CAD Software for Merz Dental

179710 ⁸⁰Creator[®] Plus³



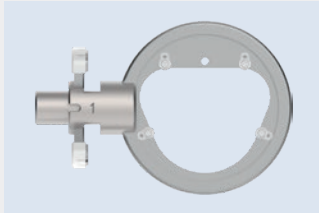
Ceramill Mind Trusmile
Upgrade for Ceramill Mind

179155 Ceramill Mind Trusmile

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

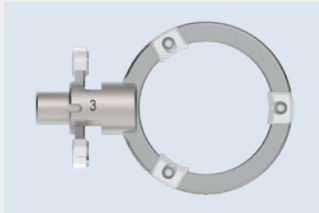
² Win7

³ Graphics card with min. 4 GB RAM required (already integrated in the PC Modell T5810), Win10



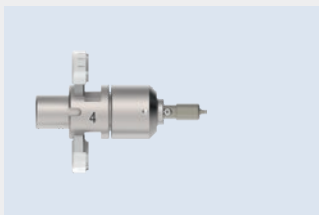
Blank holder Ceramill material 71
for Ceramill Motion 2 and Ceramill Mikro 4X/5X

179252	Blank holder 71 Motion 2 5X
179186	Blank holder 71 Motion 2 4X / Mikro 4X
179334	Blank holder 71 Mikro 5X



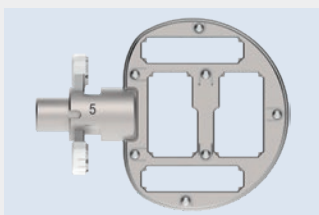
Blank holder Ceramill material 98
for Ceramill Motion 2 and Ceramill Mikro 4X/5X

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



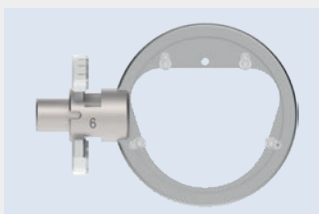
Blank holder rotational milling
for Ceramill Motion 2 and Ceramill Mikro IC

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)



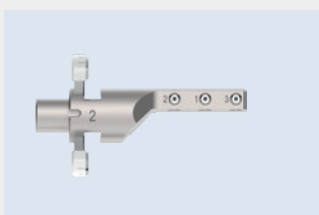
Blank holder Ceramill D-Set
for Ceramill Motion 2 5X

179283	Blank holder denture teeth
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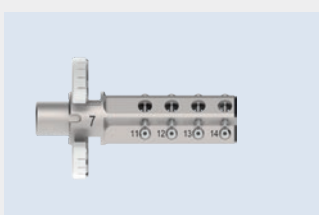
Blank holder Ceramill D-Wax
for Ceramill Motion 2 5X

179282	Blank holder denture wax
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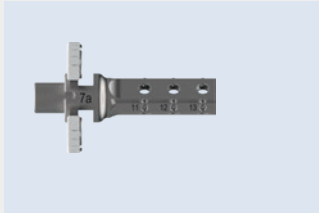
Blank holder glass ceramic and hybrid blocks (3-compartment)
for Ceramill Motion 2 4X/5X

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

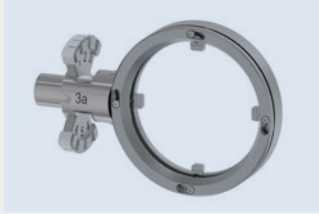
179290	Blank holder glass ceramic and hybrid blocks (12-compartment)
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Blank holder milling (9-fold)

for Ceramill Motion 2

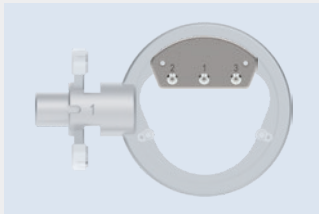
179248 Blank holder milling (9-fold)



Blank holder for Baltic Denture System

for Ceramill Motion 2a

179328 Blank holder Baltic Denture



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)



Blank holder glass and hybrid ceramic blocks (3-fold)

for Ceramill Mikro IC

179615 Blank holder 3-fold milling (AG Mandrell)

179616 Blank holder 3-fold milling (Universal Mandrell)



Blank holder milling (single)

for Ceramill Mikro IC

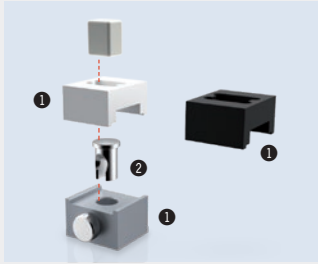
179612 Blank holder milling (AG Mandrell)



Blank holder milling (3-fold)

for Ceramill Mikro IC

179617 Blank holder 3-fold milling (AG Mandrell)



GCER Universal Bonding Kit

Klebehilfe zum Verkleben von Glaskeramikrohlungen oder Lithiumdisilikatrohlungen mit dem Amann Girrbach Halter inkl. 2 Aufsätze für untersch. Rohlingsgrößen (10x12x15, 12x14x18)

760973	1 GCER Universal Bonding Kit	
760974	2 Universalhalter für Glaskeramikrohlinge	10 Stk.



Werkstückhalterung Glaskeramikrohlinge (3-fach) inkl. Aufbewahrungsschiene

Zum Einspannen von Glaskeramikrohlungen oder Lithiumdisilikatrohlungen in die Ceramill Motion 2

179260	Werkstückhalterung Glaskeramikrohlinge (3-fach) inkl. Aufbewahrungsschiene für Ceramill Motion 2 5X
179281	Werkstückhalterung Glaskeramikrohlinge (3-fach) inkl. Aufbewahrungsschiene für Ceramill Motion 2 4X



Upgrade Kit Ceramill TI-Forms Ceramill Motion 2

760100	Upgrade Kit Ceramill TI-Forms Ceramill Motion 2
179278	Werkstückhalterung Rotationsfräsen
760615	Roto TI 1,0
760616	Roto TI 2,0
179285	Aufbewahrungsschiene



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.



Roto SC for Ceramill Mikro 5X, Ceramill Motion 2

High-speed roughing cutter for the fabrication of occlusal splints

760634	Roto SC 2,5 - milling machine with magnetic holder	1 pc.
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Roto Pink for Ceramill Motion 2

Diamond milling cutters for machining prostheses

760642	Roto Pink 2,5 - Diamond milling cutters with magnetic holder	1 pc.
760643	Roto Pink 1,5 - Diamond milling cutters with magnetic holder	1 pc.



Technical Data

Dimensions: 406 x 280 x 423
 Weight: 16 kg, Performance: 1000 W
 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 (100-120 V = 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:
 100-230 V/T 1.0 A / 50-60 Hz
 Power: 150 W

Ceramill Coolstream

Integrated coolant preparation for Ceramill Motion 2
 in the trolley.

178640	Coolstream Set	
178641	Coolstream Tank	
178642	Coolstream Cart	

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



Cooling Liquid

178650-NTR	Cooling Liquid	
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Zolid FX Multilayer

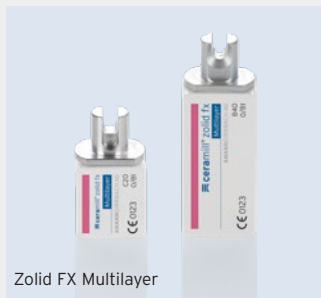


Zolid FX Multilayer

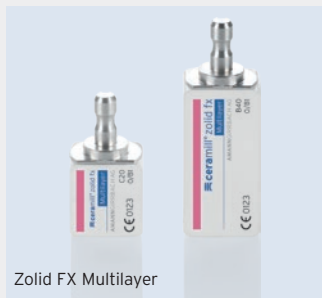
Zolid FX Multilayer

Stained, polychromatic SHT zirconia blanks

761733	○ Zolid FX ML O/A1 71 S	h=14 mm	1 pc.	761776	○ Zolid FX ML O/A1 98x14 N	h=14 mm	1 pc.
761734	○ Zolid FX ML O/A1 71	h=16 mm	1 pc.	761777	○ Zolid FX ML O/A1 98x16 N	h=16 mm	1 pc.
761735	○ Zolid FX ML O/A1 71 L	h=20 mm	1 pc.	761778	○ Zolid FX ML O/A1 98x20 N	h=20 mm	1 pc.
761737	○ Zolid FX ML A2/A3 71 S	h=14 mm	1 pc.	761780	○ Zolid FX ML A2/A3 98x14 N	h=14 mm	1 pc.
761738	○ Zolid FX ML A2/A3 71	h=16 mm	1 pc.	761781	○ Zolid FX ML A2/A3 98x16 N	h=16 mm	1 pc.
761739	○ Zolid FX ML A2/A3 71 L	h=20 mm	1 pc.	761782	○ Zolid FX ML A2/A3 98x20 N	h=20 mm	1 pc.
761741	○ Zolid FX ML A3,5/A4 71 S	h=14 mm	1 pc.	761784	○ Zolid FX ML A3,5/A4 98x14 N	h=14 mm	1 pc.
761742	○ Zolid FX ML A3,5/A4 71	h=16 mm	1 pc.	761785	○ Zolid FX ML A3,5/A4 98x16 N	h=16 mm	1 pc.
761743	○ Zolid FX ML A3,5/A4 71 L	h=20 mm	1 pc.	761786	○ Zolid FX ML A3,5/A4 98x20 N	h=20 mm	1 pc.
761745	○ Zolid FX ML O/B1 71 S	h=14 mm	1 pc.	761788	○ Zolid FX ML O/B1 98x14 N	h=14 mm	1 pc.
761746	○ Zolid FX ML O/B1 71	h=16 mm	1 pc.	761789	○ Zolid FX ML O/B1 98x16 N	h=16 mm	1 pc.
761747	○ Zolid FX ML O/B1 71 L	h=20 mm	1 pc.	761790	○ Zolid FX ML O/B1 98x20 N	h=20 mm	1 pc.
761749	○ Zolid FX ML B2/B3 71 S	h=14 mm	1 pc.	761792	○ Zolid FX ML B2/B3 98x14 N	h=14 mm	1 pc.
761750	○ Zolid FX ML B2/B3 71	h=16 mm	1 pc.	761793	○ Zolid FX ML B2/B3 98x16 N	h=16 mm	1 pc.
761751	○ Zolid FX ML B2/B3 71 L	h=20 mm	1 pc.	761794	○ Zolid FX ML B2/B3 98x20 N	h=20 mm	1 pc.
761753	○ Zolid FX ML B3/B4 71 S	h=14 mm	1 pc.	761796	○ Zolid FX ML B3/B4 98x14 N	h=14 mm	1 pc.
761754	○ Zolid FX ML B3/B4 71	h=16 mm	1 pc.	761797	○ Zolid FX ML B3/B4 98x16 N	h=16 mm	1 pc.
761755	○ Zolid FX ML B3/B4 71 L	h=20 mm	1 pc.	761798	○ Zolid FX ML B3/B4 98x20 N	h=20 mm	1 pc.
761757	○ Zolid FX ML C1/C2 71 S	h=14 mm	1 pc.	761800	○ Zolid FX ML C1/C2 98x14 N	h=14 mm	1 pc.
761758	○ Zolid FX ML C1/C2	h=16 mm	1 pc.	761801	○ Zolid FX ML C1/C2 98x16 N	h=16 mm	1 pc.
761759	○ Zolid FX ML C1/C2 71 L	h=20 mm	1 pc.	761802	○ Zolid FX ML C1/C2 98x20 N	h=20 mm	1 pc.
761761	○ Zolid FX ML C3/C4 71 S	h=14 mm	1 pc.	761804	○ Zolid FX ML C3/C4 98x14 N	h=14 mm	1 pc.
761762	○ Zolid FX ML C3/C4	h=16 mm	1 pc.	761805	○ Zolid FX ML C3/C4 98x16 N	h=16 mm	1 pc.
761763	○ Zolid FX ML C3/C4 71 L	h=20 mm	1 pc.	761806	○ Zolid FX ML C3/C4 98x20 N	h=20 mm	1 pc.
761765	○ Zolid FX ML D2/D3 71 S	h=14 mm	1 pc.	761808	○ Zolid FX ML D2/D3 98x14 N	h=14 mm	1 pc.
761766	○ Zolid FX ML D2/D3	h=16 mm	1 pc.	761809	○ Zolid FX ML D2/D3 98x16 N	h=16 mm	1 pc.
761767	○ Zolid FX ML D2/D3 71 L	h=20 mm	1 pc.	761810	○ Zolid FX ML D2/D3 98x20 N	h=20 mm	1 pc.
761769	○ Zolid FX ML D3/D4 71 S	h=14 mm	1 pc.	761812	○ Zolid FX ML D3/D4 98x14 N	h=14 mm	1 pc.
761770	○ Zolid FX ML D3/D4	h=16 mm	1 pc.	761813	○ Zolid FX ML D3/D4 98x16 N	h=16 mm	1 pc.
761771	○ Zolid FX ML D3/D4 71 L	h=20 mm	1 pc.	761814	○ Zolid FX ML D3/D4 98x20 N	h=20 mm	1 pc.



Zolid FX Multilayer



Zolid FX Multilayer

Zolid FX Multilayer

Stained, polychromatic SHT zirconia blanks,
Block form AG Mandrell

761817		Zolid FX ML O/A1	C20	20 x 19 mm	3 pc.
761818		Zolid FX ML O/A1	B40	40 x 19 mm	3 pc.
761820		Zolid FX ML A2/A3	C20	20 x 19 mm	3 pc.
761821		Zolid FX ML A2/A3	B40	40 x 19 mm	3 pc.
761823		Zolid FX ML A3,5/A4	C20	20 x 19 mm	3 pc.
761824		Zolid FX ML A3,5/A4	B40	40 x 19 mm	3 pc.
761826		Zolid FX ML O/B1	C20	20 x 19 mm	3 pc.
761827		Zolid FX ML O/B1	B40	40 x 19 mm	3 pc.
761829		Zolid FX ML B2/B3	C20	20 x 19 mm	3 pc.
761830		Zolid FX ML B2/B3	B40	40 x 19 mm	3 pc.
761832		Zolid FX ML B3/B4	C20	20 x 19 mm	3 pc.
761833		Zolid FX ML B3/B4	B40	40 x 19 mm	3 pc.
761835		Zolid FX ML C1/C2	C20	20 x 19 mm	3 pc.
761836		Zolid FX ML C1/C2	B40	40 x 19 mm	3 pc.
761838		Zolid FX ML C3/C4	C20	20 x 19 mm	3 pc.
761839		Zolid FX ML C3/C4	B40	40 x 19 mm	3 pc.
761841		Zolid FX ML D2/D3	C20	20 x 19 mm	3 pc.
761842		Zolid FX ML D2/D3	B40	40 x 19 mm	3 pc.
761844		Zolid FX ML D3/D4	C20	20 x 19 mm	3 pc.
761845		Zolid FX ML D3/D4	B40	40 x 19 mm	3 pc.

Block form universal mandrel for third-party systems

761854		Zolid fx ML O/A1	C20 UN	20 x 19 mm	3 pc.
761855		Zolid fx ML O/A1	B40 UN	40 x 19 mm	3 pc.
761857		Zolid fx ML A2/A3	C20 UN	20 x 19 mm	3 pc.
761858		Zolid fx ML A2/A3	B40 UN	40 x 19 mm	3 pc.
761860		Zolid fx ML A3,5/A4	C20 UN	20 x 19 mm	3 pc.
761861		Zolid fx ML A3,5/A4	B40 UN	40 x 19 mm	3 pc.
761863		Zolid fx ML O/B1	C20 UN	20 x 19 mm	3 pc.
761864		Zolid fx ML O/B1	B40 UN	40 x 19 mm	3 pc.
761866		Zolid fx ML B2/B3	C20 UN	20 x 19 mm	3 pc.
761867		Zolid fx ML B2/B3	B40 UN	40 x 19 mm	3 pc.
761869		Zolid fx ML B3/B4	C20 UN	20 x 19 mm	3 pc.
761870		Zolid fx ML B3/B4	B40 UN	40 x 19 mm	3 pc.
761872		Zolid fx ML C1/C2	C20 UN	20 x 19 mm	3 pc.
761873		Zolid fx ML C1/C2	B40 UN	40 x 19 mm	3 pc.
761875		Zolid fx ML C3/C4	C20 UN	20 x 19 mm	3 pc.
761876		Zolid fx ML C3/C4	B40 UN	40 x 19 mm	3 pc.
761878		Zolid fx ML D2/D3	C20 UN	20 x 19 mm	3 pc.
761879		Zolid fx ML D2/D3	B40 UN	40 x 19 mm	3 pc.
761881		Zolid fx ML D3/D4	C20 UN	20 x 19 mm	3 pc.
761882		Zolid fx ML D3/D4	B40 UN	40 x 19 mm	3 pc.



Zolid FX Multilayer Starter Kit

Stained, polychromatic SHT zirconia blanks

760032 Ceramill Zolid FX Multilayer Starter Essential 71 mm				
761738		Zolid FX ML A2/A3 71	h = 16 mm	1 pc.
761750		Zolid FX ML B2/B3 71	h = 16 mm	1 pc.
761758		Zolid FX ML C1/C2 71	h = 16 mm	1 pc.
761766		Zolid FX ML D2/D3 71	h = 16 mm	1 pc.
875509	Ceramill Polish - Dent Kit			1 pc.
875500	Ceramill Polish - Lab Kit			1 pc.



Zolid FX Multilayer Starter Kit

Stained, polychromatic SHT zirconia blanks

760033 Ceramill Zolid FX Multilayer Starter Essential 98 mm				
761781		Zolid FX ML A2/A3 98x16 N	h=16 mm	1 pc.
761793		Zolid FX ML B2/B3 98x16 N	h=16 mm	1 pc.
761801		Zolid FX ML C1/C2 98x16 N	h=16 mm	1 pc.
761809		Zolid FX ML D2/D3 98x16 N	h=16 mm	1 pc.
875509	Ceramill Polish - Dent Kit			1 pc.
875500	Ceramill Polish - Lab Kit			1 pc.





Zolid FX Preshade bleach



Zolid FX Preshade bleach



Zolid FX Preshade A light



Zolid FX Preshade A light



Zolid FX Preshade A medium



Zolid FX Preshade A medium



Zolid FX Preshade B light



Zolid FX Preshade B light

Zolid FX Preshades

Voreingefärbte SHT-Zirkonoxidrohlinge

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

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



Zolid FX White



Zolid FX White

Zolid FX White

SHT zirconia blank

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

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



Zolid FX Starterkit

760022 Zolid FX Starterkit			
760123	Zolid FX White 14 mm		4 pc.
760124	Zolid FX White 16 mm		4 pc.
761400	Liquid FX Set		1 pc.
760480	Liquid Eye		1 pc.

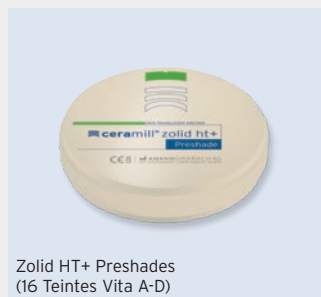
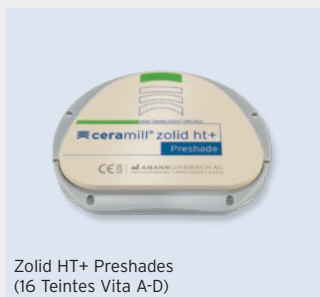


Liquid FX Set

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 Liquid FX Set	
Colouring liquids à 100 ml:	
761401	Liquid FX A1
761402	Liquid FX A2
761403	Liquid FX A3
761404	Liquid FX A3,5
761405	Liquid FX A4
761406	Liquid FX B1
761407	Liquid FX B2
761408	Liquid FX B3
761409	Liquid FX B4
761410	Liquid FX C1
761411	Liquid FX C2
761412	Liquid FX C3
761413	Liquid FX C4
761414	Liquid FX D2
761415	Liquid FX D3
761416	Liquid FX D4

Effect shades à 100 ml:	
761417	Liquid FX OR
761418	Liquid FX GR
761419	Liquid FX RO
761420	Liquid FX GIN
761421	Liquid FX VIO
761422	Liquid FX BL



Zolid HT+ Preshades

Preshaded SHT zirconia blanks

766032	○ Zolid HT+ PS BL 71x14	h=14 mm	1 pc.	766152	○ Zolid HT+ PS BL 98x14	h=14 mm	1 pc.
766033	○ Zolid HT+ PS BL 71x16	h=16 mm	1 pc.	766153	○ Zolid HT+ PS BL 98x16	h=16 mm	1 pc.
766035	○ Zolid HT+ PS BL 71x20	h=20 mm	1 pc.	766155	○ Zolid HT+ PS BL 98x20	h=20 mm	1 pc.
766039	○ Zolid HT+ PS A1 71x14	h=14 mm	1 pc.	766159	○ Zolid HT+ PS A1 98x14	h=14 mm	1 pc.
766040	○ Zolid HT+ PS A1 71x16	h=16 mm	1 pc.	766160	○ Zolid HT+ PS A1 98x16	h=16 mm	1 pc.
766042	○ Zolid HT+ PS A1 71x20	h=20 mm	1 pc.	766162	○ Zolid HT+ PS A1 98x20	h=20 mm	1 pc.
766046	○ Zolid HT+ PS A2 71x14	h=14 mm	1 pc.	766166	○ Zolid HT+ PS A2 98x14	h=14 mm	1 pc.
766047	○ Zolid HT+ PS A2 71x16	h=16 mm	1 pc.	766167	○ Zolid HT+ PS A2 98x16	h=16 mm	1 pc.
766049	○ Zolid HT+ PS A2 71x20	h=20 mm	1 pc.	766169	○ Zolid HT+ PS A2 98x20	h=20 mm	1 pc.
766053	○ Zolid HT+ PS A3 71x14	h=14 mm	1 pc.	766173	○ Zolid HT+ PS A3 98x14	h=14 mm	1 pc.
766054	○ Zolid HT+ PS A3 71x16	h=16 mm	1 pc.	766174	○ Zolid HT+ PS A3 98x16	h=16 mm	1 pc.
766056	○ Zolid HT+ PS A3 71x20	h=20 mm	1 pc.	766176	○ Zolid HT+ PS A3 98x20	h=20 mm	1 pc.
766060	○ Zolid HT+ PS A3,5 71x14	h=14 mm	1 pc.	766180	○ Zolid HT+ PS A3,5 98x14	h=14 mm	1 pc.
766061	○ Zolid HT+ PS A3,5 71x16	h=16 mm	1 pc.	766181	○ Zolid HT+ PS A3,5 98x16	h=16 mm	1 pc.
766063	○ Zolid HT+ PS A3,5 71x20	h=20 mm	1 pc.	766183	○ Zolid HT+ PS A3,5 98x20	h=20 mm	1 pc.
766067	○ Zolid HT+ PS A4 71x14	h=14 mm	1 pc.	766187	○ Zolid HT+ PS A4 98x14	h=14 mm	1 pc.
766068	○ Zolid HT+ PS A4 71x16	h=16 mm	1 pc.	766188	○ Zolid HT+ PS A4 98x16	h=16 mm	1 pc.
766070	○ Zolid HT+ PS A4 71x20	h=20 mm	1 pc.	766190	○ Zolid HT+ PS A4 98x20	h=20 mm	1 pc.
766074	○ Zolid HT+ PS B1 71x14	h=14 mm	1 pc.	766194	○ Zolid HT+ PS B1 98x14	h=14 mm	1 pc.
766075	○ Zolid HT+ PS B1 71x16	h=16 mm	1 pc.	766195	○ Zolid HT+ PS B1 98x16	h=16 mm	1 pc.
766077	○ Zolid HT+ PS B1 71x20	h=20 mm	1 pc.	766197	○ Zolid HT+ PS B1 98x20	h=20 mm	1 pc.
766081	○ Zolid HT+ PS B2 71x14	h=14 mm	1 pc.	766201	○ Zolid HT+ PS B2 98x14	h=14 mm	1 pc.
766082	○ Zolid HT+ PS B2 71x16	h=16 mm	1 pc.	766202	○ Zolid HT+ PS B2 98x16	h=16 mm	1 pc.
766084	○ Zolid HT+ PS B2 71x20	h=20 mm	1 pc.	766204	○ Zolid HT+ PS B2 98x20	h=20 mm	1 pc.
766088	○ Zolid HT+ PS B3 71x14	h=14 mm	1 pc.	766208	○ Zolid HT+ PS B3 98x14	h=14 mm	1 pc.
766089	○ Zolid HT+ PS B3 71x16	h=16 mm	1 pc.	766209	○ Zolid HT+ PS B3 98x16	h=16 mm	1 pc.
766091	○ Zolid HT+ PS B3 71x20	h=20 mm	1 pc.	766211	○ Zolid HT+ PS B3 98x20	h=20 mm	1 pc.
766095	○ Zolid HT+ PS B4 71x14	h=14 mm	1 pc.	766215	○ Zolid HT+ PS B4 98x14	h=14 mm	1 pc.
766096	○ Zolid HT+ PS B4 71x16	h=16 mm	1 pc.	766216	○ Zolid HT+ PS B4 98x16	h=16 mm	1 pc.
766098	○ Zolid HT+ PS B4 71x20	h=20 mm	1 pc.	766218	○ Zolid HT+ PS B4 98x20	h=20 mm	1 pc.
766102	○ Zolid HT+ PS C1 71x14	h=14 mm	1 pc.	766222	○ Zolid HT+ PS C1 98x14	h=14 mm	1 pc.
766103	○ Zolid HT+ PS C1 71x16	h=16 mm	1 pc.	766223	○ Zolid HT+ PS C1 98x16	h=16 mm	1 pc.
766105	○ Zolid HT+ PS C1 71x20	h=20 mm	1 pc.	766225	○ Zolid HT+ PS C1 98x20	h=20 mm	1 pc.
766109	○ Zolid HT+ PS C2 71x14	h=14 mm	1 pc.	766229	○ Zolid HT+ PS C2 98x14	h=14 mm	1 pc.
766110	○ Zolid HT+ PS C2 71x16	h=16 mm	1 pc.	766230	○ Zolid HT+ PS C2 98x16	h=16 mm	1 pc.
766112	○ Zolid HT+ PS C2 71x20	h=20 mm	1 pc.	766232	○ Zolid HT+ PS C2 98x20	h=20 mm	1 pc.
766116	○ Zolid HT+ PS C3 71x14	h=14 mm	1 pc.	766236	○ Zolid HT+ PS C3 98x14	h=14 mm	1 pc.
766117	○ Zolid HT+ PS C3 71x16	h=16 mm	1 pc.	766237	○ Zolid HT+ PS C3 98x16	h=16 mm	1 pc.
766119	○ Zolid HT+ PS C3 71x20	h=20 mm	1 pc.	766239	○ Zolid HT+ PS C3 98x20	h=20 mm	1 pc.
766123	○ Zolid HT+ PS C4 71x14	h=14 mm	1 pc.	766243	○ Zolid HT+ PS C4 98x14	h=14 mm	1 pc.
766124	○ Zolid HT+ PS C4 71x16	h=16 mm	1 pc.	766244	○ Zolid HT+ PS C4 98x16	h=16 mm	1 pc.
766126	○ Zolid HT+ PS C4 71x20	h=20 mm	1 pc.	766246	○ Zolid HT+ PS C4 98x20	h=20 mm	1 pc.
766130	○ Zolid HT+ PS D2 71x14	h=14 mm	1 pc.	766250	○ Zolid HT+ PS D2 98x14	h=14 mm	1 pc.
766131	○ Zolid HT+ PS D2 71x16	h=16 mm	1 pc.	766251	○ Zolid HT+ PS D2 98x16	h=16 mm	1 pc.
766133	○ Zolid HT+ PS D2 71x20	h=20 mm	1 pc.	766253	○ Zolid HT+ PS D2 98x20	h=20 mm	1 pc.
766137	○ Zolid HT+ PS D3 71x14	h=14 mm	1 pc.	766257	○ Zolid HT+ PS D3 98x14	h=14 mm	1 pc.
766138	○ Zolid HT+ PS D3 71x16	h=16 mm	1 pc.	766258	○ Zolid HT+ PS D3 98x16	h=16 mm	1 pc.
766140	○ Zolid HT+ PS D3 71x20	h=20 mm	1 pc.	766260	○ Zolid HT+ PS D3 98x20	h=20 mm	1 pc.
766144	○ Zolid HT+ PS D4 71x14	h=14 mm	1 pc.	766264	○ Zolid HT+ PS D4 98x14	h=14 mm	1 pc.
766145	○ Zolid HT+ PS D4 71x16	h=16 mm	1 pc.	766265	○ Zolid HT+ PS D4 98x16	h=16 mm	1 pc.
766147	○ Zolid HT+ PS D4 71x20	h=20 mm	1 pc.	766267	○ Zolid HT+ PS D4 98x20	h=20 mm	1 pc.



Zolid HT+ White



Zolid HT+ White

Zolid HT+ White

HT zirconia blanks

766009	○ Zolid HT+ White 71x10	h = 10 mm	1 pc.
766010	○ Zolid HT+ White 71x12	h = 12 mm	1 pc.
766011	○ Zolid HT+ White 71x14	h = 14 mm	1 pc.
766012	○ Zolid HT+ White 71x16	h = 16 mm	1 pc.
766013	○ Zolid HT+ White 71x18	h = 18 mm	1 pc.
766014	○ Zolid HT+ White 71x20	h = 20 mm	1 pc.
766016	○ Zolid HT+ White 71x25	h = 25 mm	1 pc.

766020	○ Zolid HT+ White 98x10	h = 10 mm	1 pc.
766021	○ Zolid HT+ White 98x12	h = 12 mm	1 pc.
766022	○ Zolid HT+ White 98x14	h = 14 mm	1 pc.
766023	○ Zolid HT+ White 98x16	h = 16 mm	1 pc.
766024	○ Zolid HT+ White 98x18	h = 18 mm	1 pc.
766025	○ Zolid HT+ White 98x20	h = 20 mm	1 pc.
766027	○ Zolid HT+ White 98x25	h = 25 mm	1 pc.



Ceramill Liquid „new formula“ Set

Färbelösungen für Zolid HT+ White; Inhalt: A2, A3, A3,5, B3, OR, GR, RO, VIO, Ceramill Dimmer Liquid Small, Ceramill Liquid Brush Size 1, Ceramill Liquid Brush Size 3, Kunststoffpinzette, acht Färbedöschen, Kurzzeitmesser)

760469 Ceramill Liquid „new formula“ Set

Colouring liquids à 100 ml

760430	Ceramill Liquid A1
760432	Ceramill Liquid A2
760433	Ceramill Liquid A3
760434	Ceramill Liquid A3,5
760435	Ceramill Liquid A4
760436	Ceramill Liquid B1
760437	Ceramill Liquid B2
760438	Ceramill Liquid B3
760439	Ceramill Liquid B4
760440	Ceramill Liquid C1
760442	Ceramill Liquid C2
760443	Ceramill Liquid C3
760444	Ceramill Liquid C4
760445	Ceramill Liquid D2
760446	Ceramill Liquid D3
760447	Ceramill Liquid D4

Effect shades à 50 ml

760485	- Ceramill Liquid RO new formula
760486	- Ceramill Liquid GIN new formula
760487	- Ceramill Liquid VIO new formula
760488	- Ceramill Liquid OR new formula
760489	- Ceramill Liquid GR new formula



ZI White



ZI White

ZI White

LT zirconia blanks

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

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



Ceramil Liquid CL für ZI White

Colouring liquids à 100ml:

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

Effect shades à 100 ml:

760476	Ceramil Liquid CL OR
760477	Ceramil Liquid CL GR



Ceramil Liquid Zubehör

760449	Ceramil Dimmer Liquid Refill (Verdünner)	1 pc.
760450	Ceramil Liquid Färbedöschen	10 pc.
760480	Ceramil Liquid Eye Komplettsset	4 x 25 ml
760478	Ceramil Liquid Brush Size 1	4 pc.
760479	Ceramil Liquid Brush Size 3	4 pc.



Fasthetix Liquid Starter Essential

Staining solutions suitable for the fast staining technique for Zolid FX White, Zolid HT+ and ZI

Contents: A1, A2, A3, A3.5, B1, B2, C2, D3, Ceramil Dimmer Liquid, small, Ceramil Liquid Eye blue, Ceramil Liquid brush, size 1, Ceramil Liquid brush, size 3, plastic tweezers, timer

761397 Fasthetix Liquid Starter Essential



Fasthetix Liquid Starter

Staining solutions suitable for the fast staining technique for Zolid FX White, Zolid White and ZI White

Contents: 16 A-D Liquids, Ceramil Dimmer Liquid, small, Ceramil Liquid Eye blue, Ceramil Liquid brush, size 1, Ceramil Liquid brush, size 3, plastic tweezers, eight colour tubs, timer

761398 Fasthetix Liquid Starter

Further information on staining techniques can be found in the "Zolid DNA Staining Technique" Guide at www.amanngirrbach.com

Product range may vary according to country-specific approval status.





Ceramill Stain & Glaze Kit

Stains and glaze porcelains for customisation of zirconium oxide

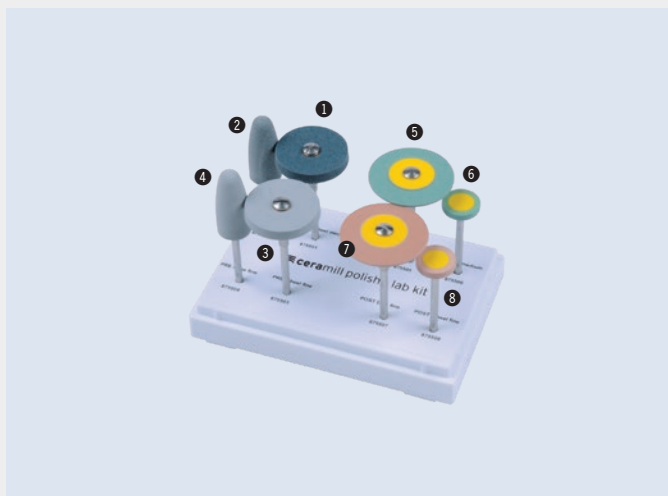
760349 Ceramill Stain & Glaze Kit update, 19 pieces		
760351	Ceramill Stain yellow	4 g
760352	Ceramill Stain orange	4 g
760353	Ceramill Stain blue	4 g
760354	Ceramill Stain grey	4 g
760355	Ceramill Stain white	4 g
760369	Ceramill Stain violett	4 g
760363	Ceramill Stain red	4 g
760364	Ceramill Stain gingiva	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

760038 Ceramill Stain & Glaze Essential Kit, 12 pieces		
760351	Ceramill Stain yellow	4 g
760353	Ceramill Stain blue	4 g
760354	Ceramill Stain grey	4 g
760369	Ceramill Stain violett	4 g
760366	Ceramill Stain eggshell	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
760361	Ceramill Stain & Glaze Working Liquid Liquid for mixing the stain and glaze powders 25 ml	25 ml
760362	Ceramill Stain & Glaze Reflow Liquid	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

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.

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.

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.



Ceramill Wax grey



Ceramill Wax grey



Ceramill Wax white



Ceramill Wax white

Ceramill Wax

Wax blank

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

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



Ceramill D-Wax

Ceramill D-Wax

Wax blank full-denture prosthetics

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



Ceramil PMMA

Ceramil PMMA

Non-residual burnout PMMA

760311	○ Ceramil PMMA 71 XS	h=13 mm	1 pc.
760303	○ Ceramil PMMA 71 L	h=20 mm	1 pc.
760407	○ Ceramil PMMA 98x12 N	h=12 mm	1 pc.
760408	○ Ceramil PMMA 98x20 N	h=20 mm	1 pc.



Ceramil TEMP bleach



Ceramil TEMP bleach

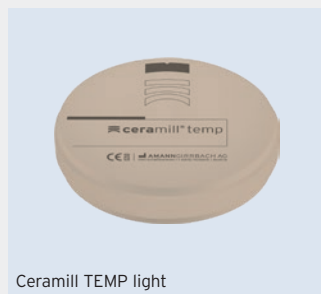
Ceramil TEMP

Stained PMMA

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



Ceramil TEMP light

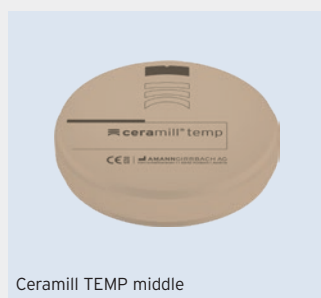


Ceramil TEMP light

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



Ceramil TEMP middle



Ceramil TEMP middle



Ceramil TEMP dark



Ceramil TEMP dark



Ceramil M-Plast



Ceramil M-Plast

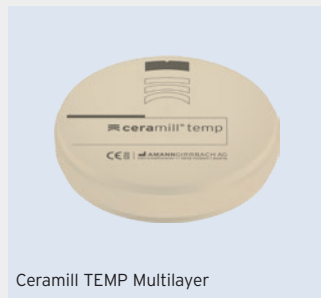
Ceramil M-Plast

Model resin

760519	○ Ceramil M-Plast 71	h=30 mm	1 pc.
760516	○ Ceramil M-Plast 98x30 N	h=30 mm	1 pc.



Ceramil TEMP Multilayer



Ceramil TEMP Multilayer

Ceramil TEMP Multilayer

Stained PMMA with shade gradient

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

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



Ceramil Splintec /
Ceramil Splintec Standard



Ceramil Splintec /
Ceramil Splintec Standard

Ceramil Splintec / Ceramil Splintec Standard

Splint acrylic, PMMA

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.

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 Natural



Ceramil PEEK Natural

Ceramil PEEK

Polyetheretherketone

760405	○ Ceramil PEEK Natural 71x13	h=13 mm	1 pc.
760406	○ Ceramil PEEK Natural 71x20	h=20 mm	1 pc.
760393	○ Ceramil PEEK White 71x13	h=13 mm	1 pc.
760394	○ Ceramil PEEK White 71x20	h=20 mm	1 pc.

760409	○ Ceramil PEEK Natural 98x12	h=12 mm	1 pc.
760410	○ Ceramil PEEK Natural 98x20	h=20 mm	1 pc.
760403	○ Ceramil PEEK White 98x12	h=12 mm	1 pc.
760404	○ Ceramil PEEK White 98x20	h=20 mm	1 pc.



Ceramil PEEK White



Ceramil PEEK White

Ceramil Test

Test blank











760301	○ Ceramil Test	h=20 mm	1 pc.
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Ceramil Test








VITA ENAMIC® for Ceramill

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

















VITA ENAMIC® multiColor for Ceramill

761321	 VITA ENAMIC® multiColor, EMC-14, 1M1-HT	12x14x18	5 pc.
761322	 VITA ENAMIC® multiColor, EMC-14, 1M2-HT	12x14x18	5 pc.
761323	 VITA ENAMIC® multiColor, EMC-14, 2M2-HT	12x14x18	5 pc.
761324	 VITA ENAMIC® multiColor, EMC-14, 3M2-HT	12x14x18	5 pc.
761325	 VITA ENAMIC® multiColor, EMC-14, 4M2-HT	12x14x18	5 pc.



VITABLOCS® Mark II for Ceramill

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



VITABLOCS® TriLuxe forte for Ceramill

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



VITA SUPRINITY® PC

VITA SUPRINITY® PC for Ceramill

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



Ceramill Units Starter Kit

760029 Ceramill Units Starter Kit			
760301	Ceramill Test		2 pc.
761738	Zolid FX ML A2/A3 71 (16mm)		1 pc.
761750	Zolid FX ML B2/B3 71 (16mm)		1 pc.
760341	Zolid Preshade 1 (B light) 71 (16mm)		1 pc.
760315	Ceramill Wax white 71 XS (13mm)		1 pc.
760307	Ceramill Wax grey 71 XS (13mm)		1 pc.
760303	Ceramill PMMA 71 L		1 pc.
760605	Roto 2,5		2 pc.
760604	Roto 1,0		2 pc.
760606	Roto 0,6		2 pc.
760607	Roto 0,3		2 pc.



Technical Data

Dimensions (DxWxH): 468 x 461 x 480 mm
 Weight: 30 kg
 Electrical connections: V/Hz 220-240/50-60
 Power: 3.5 kW
 Fuse (fast): 15 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	❶ Tongs for Therm 3 sintering bowl
178382	❷ 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
 Eletrical connections: V/Hz 220-240/50-60
 Power: 3.5 kW
 Fuse (fast): 15A
 Degree protection - IP20
 Thermal protection class according to DIN EN 60519-2: Class 0
 Ambient conditions:
 _ temperature: +5 - +40°C
 _ humidity: 80 %

eramill Argotherm 2

Sintering furnace for Ceramil Sintron

178740	Ceramill Argotherm 2 (incl. Ceramil Argovent 2)
Delivery volume: Sinter furnace Ceramil Argotherm 2, sinter chamber Ceramil Argovent 2	
178745	Ceramill Argovent 2 (Ceramill Argotherm 2 delivery includes)
Delivery volume: sinter base, sintering tray, sinter hood, shielding gas retort, sinter beads, Argovent 2 tongs	
178711	Ceramill Argovent 2 sintering tray
178712	Ceramill Argovent 2 sinter hood
178713	Ceramill Argovent 2 tongs
178714	Ceramill Sintron sinter beads
178730	Float Sintering Disk



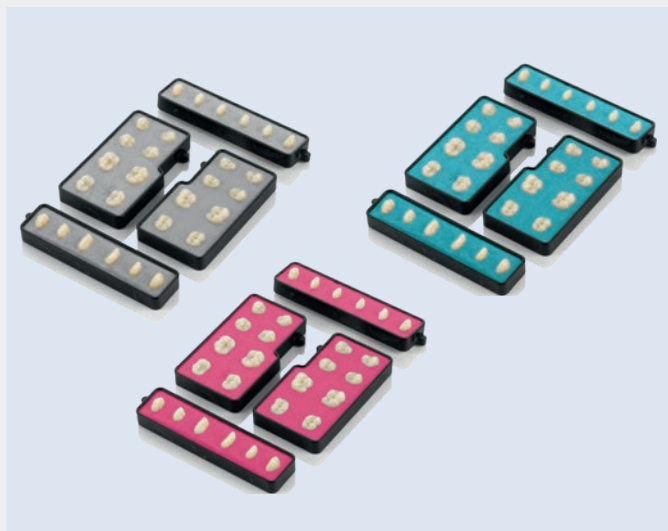
Ceramill M-Build Starter Kit

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.



Ceramik FDS Starter Kit for Ceramik Motion 2 5X

760018	Ceramik FDS Starter Kit for Ceramik Motion 2 5X	
760570	Ceramik D-Wax 30mm	2 pc.
760301	Ceramik 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.
760609	Roto DMB DC 1,0	1 pc.
760608	Roto DMB DC 2,5	1 pc.
179977	Spindle cap 3.0 5X grinding	1 pc.



Ceramik D-Set patented denture tooth blanks

Kulzer - Pala Mix&Match DS¹

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

VITA - Vita VIONIC® FRAME²

Vitapan Excell DD Frame
Vitapan Lingoform DD Frame

Merz Dental¹

Polystar® Selection Edition anteriors
DeltaForm® posteriors

1) to be ordered directly from the manufacturer
2) available from Amann Girrbach; product information in separate order information



Starterkit Material for Ceramik FDS/VITA VIONIC

760019	Starter Kit Material for Ceramik FDS/ VITA VIONIC	
ADOP9830	VIONIC VIONIC BASE, Orange-Pink, Ø 98.4 x h 30 mm	1 pc.
ADDP9830	VIONIC VIONIC BASE, Deep-Pink, Ø 98.4 x h 30 mm	1 pc.
ADW9830	VITA VIONIC WAX, White, Ø 98.4 x h 30 mm	1 pc.
ADP9830	VITA VIONIC WAX, Pink, Ø 98.4 x h 30 mm	1 pc.
AD9VBK	VITA VIONIC BOND KIT	1 pc.
AGA3T46	VITAPAN EXCELL DD FRAME A3 T46	1 pc.
AGA3L35	VITAPAN EXCELL DD FRAME A3 L35	1 pc.
AGA322LO	VITA LINGOFORM DD FRAME A3 22L OK	1 pc.
AGA322LU	VITA LINGOFORM DD FRAME A3 22L UK	1 pc.
C44233F3	VMLC VITA VM LC flow GINGIVA G3	1 pc.
C44181F3	VITA VM LC flow WINDOW	1 pc.
CVMLM10	VITA VM LC MODELLING LIQUID, 10 ml	1 pc.



Starter Kit Hardware for Ceramill FDS/VITA VIONIC

760020 Starter Kit Hardware for Ceramill FDS/ VITA VIONIC		
179283	Blank holder M2 (5X) D-Set	1 pc.
760631	Roto 1,0 Red	1 pc.
760633	Roto 3,0 Red	1 pc.
760609	Roto DMB DC 1,0	1 pc.
760608	Roto DMB DC 2,5	1 pc.
760642	Roto 2.5 pink	1 pc.
760643	Roto 1.5 pink	1 pc.
760630	Roto SF1,2 Green	1 pc.
760301	Ceramill Test (20 mm)	1 pc.
179977	Spindle cap M2 3.0	1 pc.
179285	Storage bar blank holder	1 pc.



Dentist Starterkit BDS for Ceramill

760044 Dentist Starterkit BDS for Ceramill		
1032110	Baltic Denture System BDKEY Set	1 pc.
1032140	Baltic Denture System BDKey PMMA S	2 pc.
1032141	Baltic Denture System BDKey PMMA M	2 pc.
1032142	Baltic Denture System BDKey PMMA L	2 pc.
1032126	Baltic Denture System BDImpress 200g	1 pc.



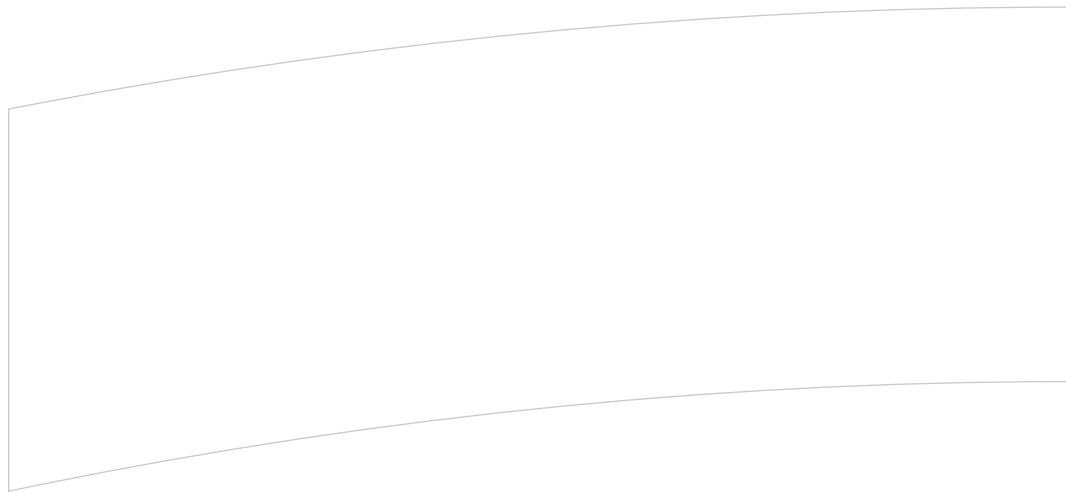
Labor Starterkit Material BDS for Ceramill

760045 Labor Starterkit Material BDS for Ceramill		
1032204	Baltic Denture System BDLoad Sw6 PLSEbm6DFs A2lightpink	1 pc.
1032205	Baltic Denture System BDLoad UK Sw6 PLSEum6DFs A2lightpink	1 pc.
1032210	Baltic Denture System BDLoad Mn6 PLSEbim6DFm A2lightpink	1 pc.
1032211	Baltic Denture System BDLoad UK Mn6 PLSEum2DFm A2lightpink	1 pc.
1032216	Baltic Denture System BDLoad Mm6 PLSEbim6DFm A2lightpink	1 pc.
1032217	Baltic Denture System BDLoad UK Mm6 PLSEum2DFm A2lightpink	1 pc.
1032222	Baltic Denture System BDLoad Mw6 PLSEbim6DFm A2lightpink	1 pc.
1032223	Baltic Denture System BDLoad UK Mw6 PLSEum2DFm A2lightpink	1 pc.



Labor Starter Kit Hardware BDS for Ceramill

760046 Labor Starter Kit Hardware BDS for Ceramill		
179139	Impression Tray Holder Map400	1 pc.
179134	BD Key Scan Holder	1 pc.
179328	Blank holder M2 Baltic Denture	1 pc.
760642	Roto 2.5 pink	1 pc.
760643	Roto 1.5 pink	1 pc.
760630	Ceramill Roto SF1,2 Green	1 pc.
760301	Ceramill Test (20 mm)	1 pc.
179285	Storage bar blank holder	1 pc.

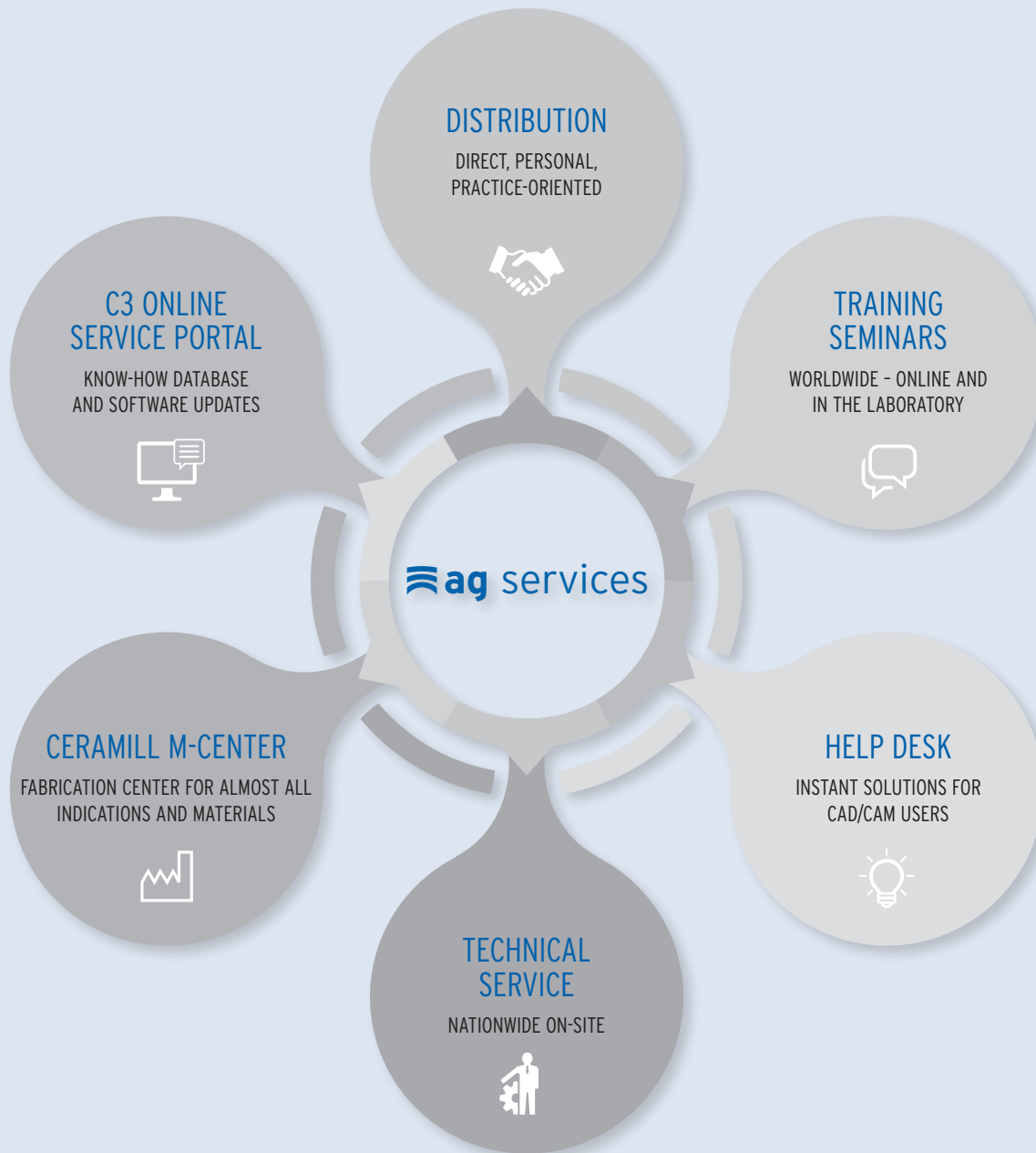




SERVICES



PREMIUM SERVICE - BEFORE, DURING AND AFTER SALES



WE ARE CLOSE TO YOU.



Headquarters
Production
Distribution
Training center
Helpdesk



Exhibitions & Events



Amann Girrbaach AG

Austria, Koblach | Headquarters

- > Research & Development
- > Production
- > Marketing & Distribution International
- > International Training Center



Austria, Rankweil | Dentistry One

- > Mechanical engineering
- > Sintron and zirconia production



Germany, Pforzheim

- > Storage | logistics | technical service
- > Training Center for AT & DE
- > Helpdesk worldwide



Libanon, Beirut

- > Training Center Middle East
- > Helpdesk Middle East



Singapur (since 2011)

- > Sales office
- > Training Center Asia
- > Helpdesk Asia



China, Peking (since 2013)

- > Sales office
- > Storage
- > Training Center
- > Helpdesk





07 **Japan, Tokyo**

> Sales office

07 **USA, Charlotte, NC (since 2007)**

> Service Department
> Training Center North America
> Helpdesk America

08 **Brazil, Curitiba (since 2013)**

> Sales office
> Storage
> Training Center

Exhibitions & Events

09 **USA, Chicago, IL**

> Midwinter Meeting
> APS (Prosthodontist Show)
> LMT Lab Day Chicago

10 **Brazil, São Paulo**

> CIOSP Congresso Internacional de Odontologia de São Paulo

11 **Germany, Cologne**

> IDS - International Dental Show

12 **China, Shanghai**

> DenTech - Exhibition

All exhibitions and congresses with current information:



AG TRAINING CENTERS - WORLDWIDE

Professional learning in a pleasant atmosphere - this is provided by the worldwide training centres of Amann Girrbach. You can get to know the world of our products and their application in all Amann Girrbach locations and with selected dealers and universities.



Götzis | Austria



Pforzheim | Germany



Charlotte, NC | USA



Singapore | Singapore



Curitiba | Brazil



Łódź | Polen



Beirut | Lebanon



Beijing | China

SYSTEMATIC TRAINING

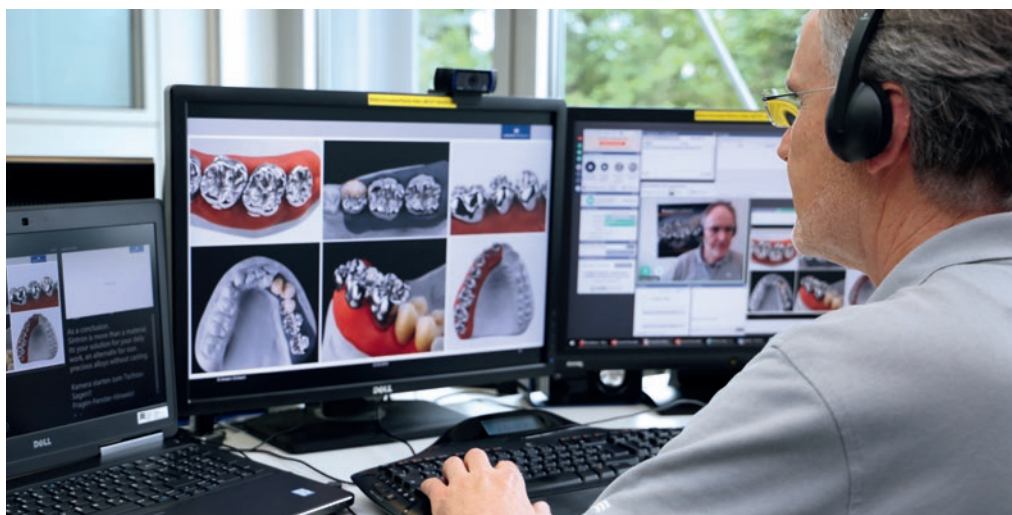
Training in the accustomed Amann Girrbach quality, selected speakers, a wide range of nationwide courses and special in-depth courses. Through a modular training concept that includes both classic face-to-face courses and digital elements, your knowledge will be expanded step by step.

We are also prepared for individual requests. Contact us for an individual (online) training with one of our speakers.

Regardless of whether you are a beginner or an "old hand", the Amann Girrbach training program offers a wide range and the right course opportunity for every situation:

- _Course at the training center
- _Online training
- _Course in the laboratory/in the practice
- _Further training at events

We would be pleased to advise you on the right choice of your course. You can also book directly online and see immediately whether the desired course still has places available.



CONTACT

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**[www.amanngirrbach.com/en/
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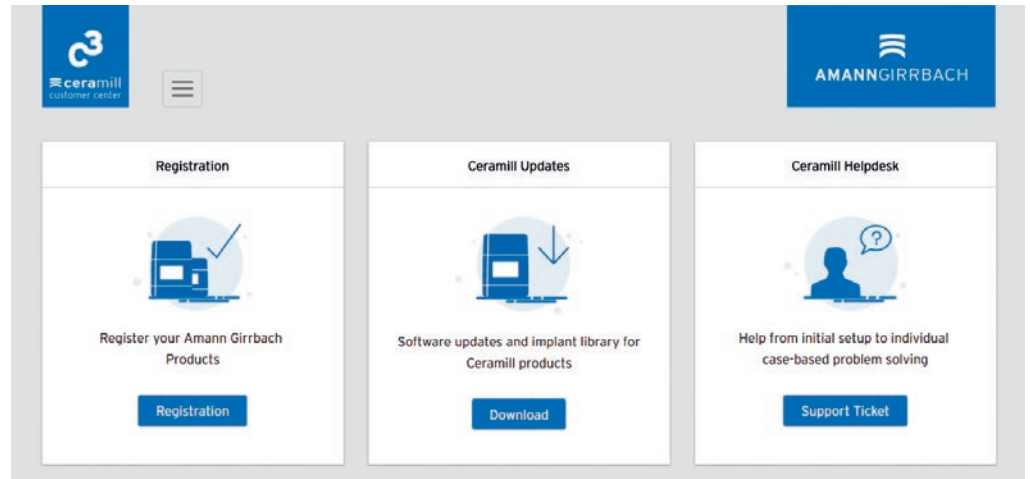
C3 - CERAMILL CUSTOMER CENTER

YOUR SERVICE PORTAL ALL ABOUT THE CERAMILL SYSTEM

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

With your login, you have access to all relevant information, current software updates and comprehensive service functions of your Amann Girrbach products.

C3 is developed in a technically completely new software environment. In future, this environment will offer new value-added functions for registration, activation, updates and support for daily laboratory routine.



In the C3 Service Portal you will also find a valuable know-how pool that is available to you around the clock and which is always up-to-date. Print or video instructions for software and hardware are available here as are technical articles and studies.



- _ Amann Girrbach product registration/activation
- _ Software updates (a prerequisite is a stable Internet connection)
- _ Quick and easy access to the support form and thus competent help from the support center (Ceramill Helpdesk)
- _ Know-how database - from videos to manuals
- _ M-Center order processing (fabrication center) and overview of all M-Center orders

CERAMILL HELPDESK. TARGETED AND SUCCESSFUL HELP FOR CAD/CAM USERS

The Ceramill Helpdesk provides information and help from installation to case-related problem solutions. A highly qualified international team of dental technicians are at the ready with a high degree of expert knowledge and competence in solving problems.

By using the telephone or desktop sharing via the Internet, we are directly in your laboratory and thus offer a high instant solution rate that makes you productive quickly.

Ceramill customers receive full support via the Ceramill Customer Center.



- _Simple contact via telephone or C3 Service Portal - with return call directly from the specialist**
- _Practical assistance during commissioning**
- _Case-related problem solving**
- _Answering questions via e-mail and telephone**
- _Online support through desktop sharing - we show you the next steps live on your screen**

THE PRODUCTION CENTER FOR ALMOST ALL INDICATIONS AND MATERIALS: VERSATILE, PRECISE AND FAST

The prosthetic work still bears the handwriting of the dental technician - only the construction that is approved by him/her is also produced in the M-Center.

This is achieved by means of a perfectly coordinated system as well as by experienced and specialized dental technicians, including dental quality control, which is conducted during the production process.

The access data to the Ceramill M-Center are available from the Amann Girrbach customer portal - Ceramill Customer Center (C3). Simply register in the C3 under the section "Customer Account" and request the M- Center access data. Uploading of the constructions to the Ceramill M- Center is then performed via the CAD software Ceramill Mind or the Ceramill Upload Tool (can be downloaded in the C3 portal).



- _A broad range of materials covers almost the entire spectrum of framework fabrication**
- _A variety of indications (including crowns, bridges , abutments, telescopes, inlays/onlays, veneers, press-on technique, multi-pontic screw-retained constructions, bars, therapeutic splints, models)**
- _Fast throughput times for good planning reliability**
- _Lucrative discount scale system (discounts already starting from 11 units per month)**
- _Customer portal C3: automated order management, delivery time and price overview, fast handling of complaints**
- _Process reliability through optimally coordinated system (materials, software, hardware)**
- _Trained dental technicians with many years of experience in CAD/CAM**
- _Excellent service (support with framework design, setting of suitable design parameters, quick assistance in case of uncertainties)**

TECHNICAL SERVICE. YOUR POINT OF INFORMATION AND ACCEPTANCE FOR REPAIR AND SERVICE ISSUES

Our in-house service comes into play for small devices or in "tricky cases". They are also all ears for service inquiries about Amann Girrbach devices and systems.

Rental devices are available on request during the repair period in order to keep up the production process at all times.

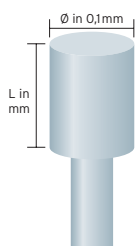
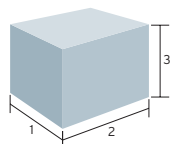
During the repair period of Cera-mill milling units you will receive discounted conditions at the Ceramill M-Center.



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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