DEAR CERAMILL CUSTOMER,

the Ceramill Software Update 3.14 includes a number of new features and improvements. We are thus taking a further step into a digitalized future in which you will benefit from simplified and customized design procedures for the creation of perfectly fitting dentures. To mention but a few examples:

_ The functionality of the high-end Map 600 scanner has been further increased with new options, such as the scanning of full jaw impressions.

_ Due to the full integration of the digital Zebris facebow, you can articulate digitally with the click of a mouse and also transfer all patient-specific joint parameters to the virtual articulator at the touch of a button. This additional digital patient information largely avoids the need for grinding the finished restoration which often proves necessary.

_ With REAX* (Reliable All On X), all the developments of recent years have been accumulated in the new software. For you, this means increased user-friendliness and an instant fit when fabricating implant-supported bridges.

_ 14-unit dentures can now be created fully automatically and as accustomed in the Ceramill System under consideration of dynamic occlusion using the Artex CR.

This is just an excerpt of the innovations included in the latest Ceramill Software update. Further details on the updates are given on the following pages.

As usual, the Update Newsletter is also available for viewing on the online service portal of Amann Girrbach and the C3 Ceramill Customer Center. If you are not yet registered, you can find the registration link below.

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

Enjoy using the new software version 3.14!

Your Oliver Amann
CTO Amann Girrbach AG

* Implant-supported bridges with gingiva parts
IMPROVEMENTS GROUPED BY CATEGORIES

**Fixed Implant Dentures**
- New methods for the fabrication of highly profitable All-on-X restorations, REAX Full Contour & REAX Hybrid
- The new optimized Thimble Library simplifies the fabrication and allows to design substructure and crowns just in one step

**Removable Full Dentures**
- Unique - Single jaw dentures digitally manufactured with prefabricated teeth
- The Try-In denture can now be manufactured quickly and cost-effectively in the Ceramill workflow using the Nextdent 5100 for Ceramill Printer
- The development for the production of 3D-printed acrylic bases is nearly completed, the foundation has already been laid with this update

**Removable Partial Dentures**
- From now on you can also produce Partial Dentures with the same quality and precision on the Ceramill Mikro 5X

**New functions**
- The intelligent scan height control automatically moves the object into the best possible scan area
- Full flexibility through scanning of the impression
- Determine the order of the scanning process based on your specific needs

**Facebow 2.0**
- Integration in the Ceramill system
- More information about the exact movement through digital data transfer
- Transfer kit for physical articulator
- Additional equipment
- Modelless Workflow

**COMING SOON**
- Transfer kit for physical articulator
- Additional equipment
Functional overview and connectivity of Ceramill Matik

The Ceramill Matik bundled with the current software features is definitely unrivalled.

As well as the Ceramill Mikro IC and Ceramill Motion 2, the Ceramill Matik has now also been officially “authorized for IPS e.max”.

To guarantee 3Shape users the full spectrum of indications and accuracy, Amann Girrbach has created a DME library which includes design and material parameters.

Full Denture Update

The Full Denture Update includes the possibility to print the Try-In as well as the acrylic bases cost-effectively, especially in context of temporary or secondary dentures.

Materials portfolio

Zolid GEN-X puts an end to the time-consuming search for the right blank for the required restoration.

COMING SOON

Ceramill A-Line – The relaunch of the entire AG PMMA portfolio is addressing the trend to create coordinated workflows.
Zebris for Ceramill can be used as a digital facebow, but offers numerous other functions in addition. Thus the JMA Optic system forms the basis for virtually any indication - from single restorations to scanning model-free with an intraoral scanner as well as large-span restorations or splints. The automatic data transfer to the Ceramill System and the resulting direct transfer into the articulator allows Zebris for Ceramill to be ideally integrated into the daily workflow and reduces manual post-processing of the restoration. Overall, the result is a simple, safe workflow that can be used profitably in everyday work.

**FUNCTION AT YOUR FINGER TIPS**

- Exact recording of the jaw and mouth situation leads to individual, precisely fitting results and to a reduction in reworking in the lab
- Fast transfer of the individual situation to the digital system thanks to full integration into the Ceramill system
- Perfect bite situation thanks to a coordinated system from the recording to trying-in of the restoration

**ACCESSORIES**

- The software module Ceramill M-Pass offers the possibility to transfer complex jaw movements exactly into the Ceramill Mind.
- With the jaw registration systems from Zebris all movements of the lower jaw can be recorded.
- With the unique transfer stand it is possible to transfer the individual upper jaw position into every mechanical articulator.
- The System Tray allows the safe storage of the measuring components and at the same time it can be used as an inductive charging station for the facebow. The system can be optionally connected with a USB interface or completely wireless via WLAN.
PERFECT OCCLUSION AND BEST FIT - SUITABLE FOR ALL INDICATIONS

The JMA Optic System can be versatile be used in all digital cases. Doesn't matter if it is a single restoration - model free scanned by an interoral scanner - or as an digital adaption in the functional dentistry to ensure the best fit in complex cases.

Compared to conventional systems on the market, it offers much more than just dysfunction analysis and provides precisely fitting, functional dental restorations for almost every indication.

Thanks to the automatic data transfer to the Ceramill system, “Zebris for Ceramill” can be ideally integrated into the daily workflow and will reduce manual rework of the restoration in the lab.

PERFECT OCCLUSION THROUGH SEAMLESS DATA TRANSFER IN REAL TIME

I. Real Movement
II. Facebow 2.0

Scan
IO Scan

Import and visualization of dynamic patient data for single restorations

Upper jaw in the correct position to the condyles for large span work (coming soon)

Production of dental restoration and direct use

Jaw joint related transfer of the maxillary position into the articulator with the transfer stand

ACHIEVE PERFECT FIT WITHOUT A MODEL - 100% DIGITAL

I. Real Movement
II. Facebow 2.0

IO Scan

Import and visualization of dynamic patient data for single restorations

Upper jaw in the correct position to the condyles for large span work (coming soon)

Production of dental restoration and direct use
Ceramill Map 600
EVERTHING - YOUR WAY

The new Ceramill Map 600 high-performance scanner from the DNA generation offers intelligence, efficiency and maximum precision. Especially the new feature of Full Impression scanning rounds up the flexibility of Ceramill Map 600.

Furthermore the scanner features an integrated universal carrier plate for all common types of articulator, which saves time-consuming plate changes. Due to Splintex integration, all the accessory components of the Map portfolio can be used. The intelligent scan height control automatically moves the object to be scanned into the best possible scan area, thus offering the user increased process reliability, maximum convenience and protection against incorrect use. The new drive technology with an automatic Z-axis ensures ultra-precise and fast travel movement. The highly sensitive industrial 3D sensor with Blue Light technology ensures outstanding depth of field and a scanning accuracy of 4µm.

- Integrated, universal fixator for all common types of articulators ensures maximum flexibility
- Intelligent scan height control for optimum model alignment in the scan field offers the highest possible process reliability
- HD scan via 3D sensor with blue light technology and variable resolution guarantees optimal and reproducible results
- DNA Speed Scanning enables a full jaw scan with unrestrictedly usable results in only 18 seconds

FEATURE-UPDATE 2019 (FREE SOFTWARE-UPDATE)

Automatic scan height control
Impression scan
Variable scan process
CERAMILL ADVANCED PROSTHETIC SOLUTIONS

The digitization of dental restorative workflows still drives the change in the dental lab business tremendously. As crowns and bridges are already fully digital for a vast majority of the industry, it becomes more and more crucial, that labs extend their digital workflows to more complex restorations like full arch implant cases or full dentures. Since the beginning, Amann Girrbach has been a pioneer of the digital in-house movement and with the “Ceramill Advanced Prosthetics Solution” AG rockets digital dental workflows to the next level. Right now the Ceramill Advanced Prosthetic Solutions Program covers three super-indications which are fully integrated in the Amann Girrbach CAD/CAM-System and provide customers with a smooth, easy and reliable workflow.
The **REAX Full Contour** workflow enables Ceramill users to produce full zirconia, long-span screw-retained cases with gingiva utilizing the groundbreaking, high strength (1100 MPa) and yet highly esthetic zirconia Zolid HT+/Zolid GEN-X. The automatic cutback option (Ceramill Mindforms cutback library) and 5-Axis Ultra High Definition milling add to a so far unreached esthetic appearance with a minimum of manual work.

With the introduction of the **REAX Hybrid workflow**, Amann Girrbach now offers the full spectrum of screw-retained implant work. With an unmatched variety of possible materials and leading industry partners REAX Hybrid represents the next level of advanced CAD/CAM in the Ceramill System.
FIXED IMPLANT DENTURES – REAX HYBRID

All options for implant prosthetics through broad cooperations with industry leading partners. Based on the Ceramill M-Gin software module and Ceramill Mindforms automatic thimble library, Amann Girrbach has integrated the digital workflow for REAX Hybrid in the Ceramill CAD/CAM System, making it the easiest and intuitive way to fully digitally produce complex, implant-borne restorations. It was never easier to upgrade your lab to highly profitable, high quality cases to excite your customers and patients.

**Validated Implant Partners**
- Medentika Library

**Validated Substructure Materials**
- Ceramill Zolid HT+
- Ceramill PEEK by Juvora
- Ceramill Sintron

**Validated Crown Materials**
- Ceramill Zolid HT+
- Ceramill Zolid FX Multilayer
- IPS e.max CAD
- Enamic CAD

**Full Contour & Hybrid Design**
- Cutback Crown
- Anatomical Crown
- Reduced Crown
- Partially reduced Crown

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_Highly profitable restorations with maximum individuality in record time_
_Coordinated processes and materials guarantee maximum safety and efficiency_
_Specific design parameters and validated milling strategies reduce rework to a minimum_
_No limits regarding individual aesthetic and treatment requirements_

Workflow Videos: www.youtube.com/user/AmannGirrbachHQ
UNRIVALLED TECHNOLOGY ENABLES THE BASAL AND OCCLUSAL ADAPTATION OF HIGH CLASS PREFABRICATED TEETH

Cost-efficient, time-saving, versatile. Hardly any other technology has adopted the current trend as much as 3D printing technology. But technology per se is often not enough. It must also be practicable and process-safe to survive in everyday life. Against this background, Amann Girrbach was intent on absolute integrity when integrating the NextDent 5100 3D printer from 3D Systems for fabricating digital dentures.

Owing to the advantages of the established FDS workflow (Full Denture System) and the groundbreaking Figure 4 technology of the 3D System, it will in future be possible to also realize 3D-printed try-ins. In addition, the user as well as the patient as of now also benefit from the implementation of dentures for single jaws with residual teeth in the opposing jaw. The occlusal, CNC-based adaptation of the prefabricated teeth to the antagonist is performed on the basis of the dynamic occlusion determined by the virtual articulator and guarantees a perfect fit.

FULL DENTURE PROSTHETICS PROCESSES IN THE CERAMILL SYSTEM
Since more than 5 years Amann Girrbach successfully developed and marketed innovations for digital dentures. With the addition of 3D printing capabilities, the Ceramill Full Denture System offers the broadest range of digital denture fabrication options in the industry - from highest quality, highly individual milled dentures to cost efficient 3D printed dentures. All supported with integrated, easy-to-implement workflows, validated materials and processing tools.

**CERAMILL FULL DENTURE SYSTEM 360°**

Validated Base Materials
- FDS D-Wax blank
- VITA Vionic PMMA blank
- NextDent Try-In Resin
- NextDent Denture 3D+ Resin

Validated Teeth Materials
- Prefabricated High Class Teeth
  - VITA, MERZ, KULZER
- Specially designed CAD/CAM teeth for full dentures

**LEVEL 1**

**LEVEL 2**

- Individual teeth milled or printed

**DESIGN**

- Full Denture
- Single Jaw Denture
- Hybrid Denture

**Maximum flexibility: prefabricated teeth from various industry-leading tooth manufacturers**

**Best fit and highest patient satisfaction through perfect dynamic occlusion, achieved by the virtual articulator**

**Simple in-house production: Unique holder concept enables basal and occlusal adaptations of prefabricated teeth**

**Fully integrated, seamless workflow for 3D printed digital dentures for cost- and time-efficient production without any compromise**

Workflow Videos: [www.youtube.com/user/AmannGirrbachHQ](http://www.youtube.com/user/AmannGirrbachHQ)
REMovable PARtial DaNtUrEs – MeTAL fReE AND 100% DIGITAL
MIKRO 5X UPDATE

Full INTEGRATION. The material revolution for partial dentures - consistently digital and perfectly integrated into the Ceramill workflow - including online training for your treatment success right from the start.

Amann Girrbach is the first and only validated dental system partner of Solvay Dental 360™ to optimize the manufacturing process of metal-free removable partial dentures. This provides Ceramill users with the exclusive opportunity to create model casting constructions consistently in the digital workflow, and in record time.

This revolution is made possible by two elements. One is the Solvay Dental 360™ Ultaire™ AKP millable high-performance polymer, which was specially designed as a metal replacement for partial dentures. On the other hand, through the software module Ceramill M-Part. The module incorporates specially developed CAD strategies that are essential for prosthetic success as the new material, unlike metal, has unique design requirements. Specially designed CAM milling strategies guarantee the required quality and precision of the surfaces.

_Ultaire® AKP_  
The new high-performance polymer for metal-free partial dentures.

_The software module for customized partial denture frameworks._

_The 5-axis hybrid milling unit for all complex indications._

_Natural esthetics_  
_Comfortable, biocompatible, 60% lighter than metal, tasteless, non-irritating_  
_Large time savings through automatic digital blocking out and perfectly integrated Solvay partial denture profiles and parameters_  
_Reliability and efficiency through consistent digital workflow as well as special online trainings and training materials_  
_High economic efficiency due to subtractive in-house production_  
_Matched special tools and milling strategies for the finest surface quality and minimal manual reworking of partial denture frameworks_  
_High time savings through subtractive in-house production and minimal manual reworking_  
_Profitability lucrative production of removable partial dentures at good prices and with little effort_  
_Process reliability & efficiency through fully integrated process and coordinated workflow_
The Ceramill Matik supports everyday laboratory routines with the complex administration of tools, materials and jobs, so that the user can focus on value-creating activities. As a result, the dental technician regains his/her role as the pacesetter in the digital manufacturing process - not the machine.

Material changes, tool changes, cleaning processes and inventory management dictate the everyday routine of the dental technician.

Full focus on the value-creating activities.
The Ceramill Matik marks the dawn of a new era in in-house fabrication. As an intelligent production solution, it clearly sets itself apart from conventional milling machines with blank changers. The fully integrated fabrication unit offers the laboratory the possibility to design its workflow independently and flexibly. It dramatically reduces the effort and complexity of material and tool management. Automatic maintenance, cleaning as well as changing the operating modes save time and help the technician to focus on the essentials - the dental work itself.

**10X DNA Control Unit** - the control center
- 10-axis control for activating the mechanics

**10” Touchscreen** - the operating element
- Integrated and intuitive order management

**36x Blank tank** - the material manager
- RFID supported and chaotic* stock management in the blank tank

**100k Super high frequency spindle** - the power pack
- Hybrid bearing, high-performance super high frequency spindle (100,000 rpm)

**26x Tool stock** - the tool manager
- RFID supported, chaotic* tool management with exchangeable tool magazines

**5X Processing station** - the milling unit
- High quality, dynamic and stable 5X system

**Industrial zero-point clamping system** - the clamping unit
- Precise, stable and precisely repeatable zero-point clamping system

**Interior HD camera** - full view
- Camera for remote monitoring of the production process

**Ceramill Cleanstream** - the automation specialist
- Integrated self-cleaning system with chip conveyor, coolant circuit and extraction system

*chaotic = automatic identification and assignment of the tool or material
Like all Amann Girrbach machines, the Ceramill Matik is 100% Austrian developed, produced and tested. Meeting market demand for this game changer is only possible with our Dentustry One production facility’s state-of-the-art assembly line. To ensure the highest standard of quality, every machine is individually and thoroughly tested at the end of the production process.

Our focus during the development phase was on the selection and production of high quality components. Amann Girrbach attaches great importance to validating the machine’s dental applications. In order to ensure best-in-class restoration workflows, we have a team of dedicated dental technicians working daily with every system. Such feedback is a key input to the continuous improvement of our machine output quality.
"AUTHORIZED FOR E.MAX" STANDS FOR OPTIMALLY COORDINATED PROCESSES FOR HIGH-PRECISION RESTORATIONS

COOPERATION BETWEEN AMANN GIRRBACH AND IVOCLEAR VIVADENT OFFERS USERS NEW POSSIBILITIES

Amann Girrbach and Ivoclar Vivadent are pooling their expertise to enable users to use an even wider range of materials. The two companies have now jointly developed validated workflows for selected materials from Ivoclar Vivadent, which can now be processed perfectly with the Ceramill system. Thus, two companies have joined forces, whose common values form the best basis for a successful cooperation. Ivoclar Vivadent and Amann Girrbach both stand for optimal treatment results through comprehensively validated digital application processes paired with world-leading dental products.

As a visible sign of this cooperation, Amann Girrbach will offer specially developed blank holders for the Ivoclar digital material holders.
SYSTEM COOPERATION BETWEEN AMANN GIRRBACH AND 3SHAPE

EXCELLENT MILLING RESULTS WITHOUT REWORKING DUE TO OPTIMIZED DESIGN PARAMETERS

From now on, dental laboratories can use Amann Girrbach milling machines and 3Shape CAD software to produce restorations with excellent fit and occlusion as well as optimal contact points for the most common materials and indications. Currently, the parameters for inlay/onlay/veneer, crowns, bridges, abutments and therapeutic splints have been developed and integrated, more will follow.

This is made possible by an optimized material database (*.dme) that is adapted to both systems. The file can be downloaded and installed by Amann Girrbach customers from the C3 – Customer Center or directly from 3Shape.
NextDent 5100 for Ceramill
THE HIGH-SPEED 3D PRINTER FOR DENTAL MATERIALS

The high-speed 3D printer NextDent 5100 for Ceramill with the groundbreaking Figure 4™ technology stands for high productivity at first-class speed at a price that is affordable for practically all dental laboratories.

In addition to perfect restoration results, the 3D printer scores with enormous time savings due to the revolutionary Figure 4™ technology and the oxygen-permeable membrane in the resin tray. The low pull-off forces between the membrane and the construction platform ensure a distortion-free printing process and excellent results. A gentle separation process enables the use of filigree support structures, which can not only be separated easily and without tools in the post-processing process, but also in a time-saving manner.

And last but not least, the NextDent 5100 for Ceramill convinces with its simple single-hand handling. The integrated color display can also be operated with gloves and both the construction platform and the resin tray are easily accessible and user-friendly during application.
CERAMILL FULL DENTURE SYSTEM – 3D-PRINTING INCREASES COST AND TIME EFFICIENCY FOR DIGITAL DENTURES

In addition to perfect restoration results, the 3D printer scores with enormous time savings due to the revolutionary Figure 4™ technology and the oxygen-permeable membrane in the resin tray. But time-saving alone wasn’t enough. In order to ensure a perfect fit of the prosthesis on the palate and to achieve a result comparable to that of milled bases, a solution has been developed for almost a whole year. This project is currently on the home straight. With the upcoming updates more and more unique functions will be implemented. The goal is to provide Ceramill users the widest range of possibilities in the production of removable dentures, all within the proven wizard-guided workflow.

PRODUCTION TIME
DENTURE BASES

MILLING

PRINTED

100 %

25 %

0 10 20 30 40 50 60 70 80 90 100 %

MATERIAL COSTS
DENTURE BASES

MILLING

PRINTED

100 %

10 %

0 10 20 30 40 50 60 70 80 90 100 %

_Fully integrated, seamless workflow for 3D printed digital dentures for cost- and time-efficient production without any compromise

_Validated 3D printing materials and processes to ensure precision and reliability of the final result

_Broad options of 3D printing and milling, materials and processes offer highest flexibility

_Drastically reduced production time and material costs

_High precision through integrated digital CAD/CAM Workflow
THE PRODUCTION OF COST-EFFECTIVE TRY-INS AND ACRYLIC BASES USING 3D PRINTING TECHNOLOGY

3D printing strives to be the holy grail for cost- and time-efficient digital denture production. With the seamless integration of the 3D Systems Nextdent 5100 3D printer in the Ceramill Workflow Amann Girrbach is now able to also offer 3D printed digital dentures as part of the Ceramill Full denture system. Combining all benefits of the established FDS workflow with the super-fast Figure4™ Technology from 3D Systems, Ceramill users can produce up to 4 denture bases in one hour in highest digital precision. Nextdent and 3D systems are furthermore providing a full range of digital denture materials, which are developed with the outstanding experience of more than 10 years of 3D printing for optimal material properties, especially lowest possible shrinkage and water absorption.

Try-in designed in the Ceramill Mind Software

Printed acrylic base with occlusally and basally adapted prefabricated teeth

Ready for Try-In. Markings directly on the restoration can be used to adjust the tooth set-up afterwards

The printed acrylic base. Due the prefabricated teeth have been digitally adapted in one step with the base, they can now easily be bonded
Zolid GEN-X puts an end to the time-consuming search for the right blank for the required restoration, quite simply because the latest blanks of the Zolid DNA generation are true all-rounders! Zolid GEN-X combines all the advantages of the Zolid HT+ product group: the excellent esthetic properties and outstanding mechanical values exceed any indication limitations. In addition, Zolid GEN-X possesses a natural color gradient that takes the blank to a new level in terms of efficiency and esthetics.
1. NO LIMITS
   Due to the natural esthetics and the flexural strength of over 1000 MPa, virtually all types of indications are easy to realize.

2. PRETTY NATURAL
   The flowing color and translucency gradient is a perfect imitation of nature. Add to this the given color fidelity as a result of the optimally matched 16 Vita shades.

3. FUN FROM THE WORD GO
   Due to the harmonious integration into the "Esthetic Management" and the corresponding detailed description of the manufacturing process, Zolid GEN-X promises to be fun right from the start.

4. SAME, SAME BUT DIFFERENT!
   In addition to the new features, Zolid GEN-X embraces all the advantages of Zolid HT+. With more than 2.5 million units manufactured since its launch, this material class has already become exceedingly well established.

5. THE BEST CHOICE
   With its outstanding properties, Zolid GEN-X can be used for almost any restoration. This reduces the complexity of choosing the right blank based on size and position.
ZOLID DNA PORTFOLIO - THE RIGHT SOLUTION FOR EVERYONE

The Zolid DNA Generation heralds a new era. What started with the introduction of the Ceramill DNA milling machines now continues in the materials sector. The goal is the best zirconia product range – no more, no less. Developed and manufactured in-house, to meet the highest demands for esthetics, quality and economics in your dental laboratory.

ZOLID DNA PORTFOLIO – THE RIGHT SOLUTION FOR EVERYONE

COLOR AND PROCESS SAFETY
Because we create natural esthetics through our own color development with its consistent color concept.

EFFICIENCY AND ECONOMICS
Because we match all parameters to technical dental requirements and offer a seamless workflow from A to Z.

QUALITY
Because we only manufacture at our own site with the best raw materials, on state-of-the-art production equipment.
“Built-in esthetics never seen before in a monolithic zirconia. Zolid FX Multilayer is a game changer.”
Lucas Lammott
M31 Dental Studio
Gloucester, MA, USA

“Throughout the world of zirconia ceramics, there is Zolid FX Multilayer, and then there is everything else.”
M. Reed Cone DMD, MS, CDT, FACP
Nuance Dental Specialists
Portland, ME, USA

“Clever and esthetic alternative to lithium disilicate.”
Benni Votteler, MDT
Dentaltechnik Votteler
Pfullingen, Germany

“Working with Zolid HT+ blew my mind, the combination of translucency and strength is a huge advantage. With Zolid HT+ my full arch restorations are getting an unbelievable Esthetic Boost.”
Alex Wünsche, CDT
Zahntechnique
Miami, FL, USA
“Amann Girrbach has hit an esthetic home run with Zolid FX Multilayer. The gradient transitions turn out extremely smooth and they are so easy to adjust during nesting.”
Brian Lindke, CDT
VIVIDX lab
Buford, GA, USA

“Zolid FX my basic for dental excellence.”
Joachim Maier, MDT
Dental Design
Überlingen, Germany

“Modern dentistry is unthinkable without a material like Zolid FX Multilayer. This material has upgraded prosthetics possibilities to the next level.”
Mauro Ahmić, DT / Sandi Trkulja, DT
Dental Inpuls
Rijeka, Croatia

“The variety of the Zolid DNA portfolio allows me to realize a wide range of restorations with individual requirements.”
Rosa Winterhalter
Lindauer Zahntechnik
Lindau, Germany
With the relaunch of the PMMA portfolio, the entire range of acrylic blanks has been restructured and made clearer. Hereby the wearing period of all medical devices is extended from six months to three years, which significantly increases product safety. At the same time, laboratories will in part benefit from lower costs. The innovations in the portfolio include materials for temporary crowns and bridges, for splints as well as for casting and pressing. The revitalized portfolio of acrylate blanks provides improved material properties and synchronizes the available shade spectrum of temporary materials with Zolid zirconia materials. In addition to longer wearing time and lower costs, there is yet another advantage: Amann Girrbach introduces standardized sizes and new intermediate sizes in the course of the relaunch. Thus, all blanks are available in heights of 14, 16 and 20 mm (A-Cast only 14 and 20 mm). As a result, the right blanks can be found for every size of restoration.

The new Ceramill A-Temp blanks are the perfect start for a successful treatment concept. Temporary crowns and bridges with a wearing time of up to three years can be fabricated easily with the PMMA-based blanks. However, it is the color match with the Zolid DNA zirconia system that makes the blanks unique. Both the monochrome as well as the multilayer blanks with shade gradient are perfectly matched to zirconia blanks and thus guarantee a consistent treatment concept. In addition, there are new blanks in block form which also allow milling smaller jobs if so required.

_CERAMILL A-LINE

_CERAMILL A-TEMP – NEW DEFINITION OF TEMPORARY RESTORATIONS

The new Ceramill A-Temp blanks are the perfect start for a successful treatment concept. Temporary crowns and bridges with a wearing time of up to three years can be fabricated easily with the PMMA-based blanks. However, it is the color match with the Zolid DNA zirconia system that makes the blanks unique. Both the monochrome as well as the multilayer blanks with shade gradient are perfectly matched to zirconia blanks and thus guarantee a consistent treatment concept. In addition, there are new blanks in block form which also allow milling smaller jobs if so required.

_Perfect shade matching for a simple, reliable treatment concept from temporary to final restorations

_High-end aesthetics thanks to VITA A-D shades perfectly coordinated with Zolid DNA Generation

_Acrylic for long-term temporary restorations with a wearing time of up to three years

_The new block shape as a solution for smaller restorations and to lower costs
The transparent PMMA blanks Ceramill A-Splint used for fabricating therapeutic splints can be easily and reproducibly milled. Available in three heights and as a Class 2a medical device, Ceramill A-Splint is suitable for long-term use of up to 3 years. The industrially pre-fabricated splint material provides high oral comfort and also impresses due to its neutral taste and odour. The high surface quality reduces discoloration and plaque accumulation to a minimum.

Ceramill A-Cast is a transparent acrylic for processing using CAD/CAM technology. Ceramill A-Cast is suitable for processing with casting and pressing techniques. Through residue-free combustion, Ceramill A-Cast ensures reproducible and efficient CAD/CAM fabrication of crowns and bridges, which are subsequently cast or pressed in the conventional way.