FULL DENTURE SOLUTIONS IN THE CERAMILL SYSTEM

- FULL DENTURE SYSTEM 2.0
- VITA VIONIC FOR CERAMILL FDS
- BALTIC DENTURE SYSTEM (BDS)
FULL DENTURE PROSTHETICS PROCESSES IN THE CERAMILL SYSTEM

<table>
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<th>Time and Capacity</th>
<th>Quality and Reproducibility</th>
<th>Denture Know How Included</th>
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<td>Due to reducing manual processing steps to a minimum.</td>
<td>Full Dentures 100% digital, avoiding shrinkage, perfect fit, less residual monomer.</td>
<td>Using to digital setting-up processes and set-up concepts of the teeth manufacturers.</td>
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### Application Options

- **Printed**
  - Scanning in the Correct Position
  - Design: CERAMILL D-FLOW
  - Conventional Finishing
  - Full dentures (maxilla and mandible)

- **Milled**
  - Scanning in the Correct Position
  - Design: CERAMILL D-FLOW
  - Digital Fabrication
  - Hybrid dentures (maxilla and/or mandible, on bars and locators)

- **Milling**
  - Scanning in the Correct Position
  - Design: BD Creator® PLUS
  - Digital Fabrication
  - Full dentures (maxilla and mandible)
**CERAMILL FULL DENTURE SYSTEM 2.0 (FDS 3D PRINT)**

**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 scanner

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

**BASAL AND OCCLUSAL ADAPTATION IF NECESSARY**
- Automatic adaptation of tooth bases to the alveolar ridge

**MILLING OF TEETH AND PRINTING THE DENTURE BASE**
- Basal and, if necessary, occlusal adjustment of the denture teeth and printing of the denture base

**CONNECTING**
- Connecting the denture teeth with the wax base

**CONTROL**
- Control of the function with the possibility of adjustment and removal of high spots

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**HIGHLIGHTS:**

- **Highly Individual:** Position of denture teeth can be customized in the CAD Software
- **Safety:** Milling the denture bases in wax for try in at the patients mouth
- **Freedom of choice:** 3 different tooth manufacturers included (Kulzer, VITA VIONIC, Merz Dental)
- **Saving time:** Approximately 60% during setting up, which can be used profitably. Using 3D printing technology, the production time for the base is reduced enormously.

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Four different teeth libraries available

- **Pala**
  - Pala Premium 6, Pala Mondial 6 and 8, Pala Idealis 8

- **Polystar®**
  - Selection EDITION anteriors DeltaForm® posteriors

- **VITA VIONIC® SOLUTIONS**
  - VITAPAN Excell
  - VITAPAN Lingiform

- **VITA VIONIC® VIGO**
  - VITA VIONIC® VIGO is a completely new generation of teeth made of SE polymer with a tooth design perfected for digital denture fabrication.
NextDent™ 5100 for ®

NEXTDENT 5100 FOR CERAMILL – MANUFACTURING CAPACITY REDEFINED
MAXIMUM PRODUCTIVITY AND PROCESS RELIABILITY: SPEED WORKFLOW FOR ADDITIVE MANUFACTURING OF RESIN-BASED INDICATIONS TAKES ON NEW DIMENSIONS

From the very beginning of its creation, Amann Girrbach's Ceramill CAD/CAM system has been a pioneer when it comes to achieving maximum precision and saving time as well through seamlessly integrated processes. With the integration of the NextDent 5100 3D printer from 3D Systems into the Ceramill workflow last year, a fully integrated workflow for the additive fabrication of dental products and aids became possible for the first time. The resulting major success of the cooperation since then is based on the combination of Amann Girrbach's superior system and process competence on the one hand, and on the unrivalled high-speed printing process and comprehensive range of additive dental materials offered by 3D Systems on the other.

3D Systems has now achieved a fundamental advancement in its printing technology, expanding the production capacity of the 3D printer to 30 orthodontic models per print run. A production volume of 120 models can be achieved in 8 hours, while 5 denture bases can be produced additively in less than 1 hour. An oxygen-permeable membrane in the material tray guarantees perfect, distortion-free printing results, gentle removal of the objects simply by hand as well as a long service life of the material tray. The combined expertise of both technology partners provides users with an excellent, yet affordable complete system for indications via 3D printing for all sizes of laboratories.
DIGITALISE THE PATIENT SITUATION

Scanning of the patient data with Artex articulators and Ceramill transfer kit

SCANNING

Functional scanning and digitalisation of patient data using the Ceramill Map scanner

DESIGNING

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

OCCLUSAL AND BASAL 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

HIGHLIGHTS:

- **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
BALTIC DENTURE SYSTEM - OFFIZIELLER CERAMILL CAD/CAM SYSTEM PARTNER

BALTIC DENTURE SYSTEM FULLY INTEGRATED IN CERAMILL SYSTEM

PRACTICE & PATIENT

DENTAL LAB

PRACTICE & PATIENT

Functional impression, bite registration and transfer, all in one with the BDKEY® Set

Ceramill DB
Ceramill Map 400

Ceramill Creator® PLUS

Ceramill Match 2

Ceramill Motion 2 (5X)

Finishing

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

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

Ceramill Creator® PLUS - CAD-Software

BD-Loads® - prefabricated denture blanks