



# SILADENT

digital



**Our  
CAD-CAM  
system world**

Scanner  
Software  
Milling machines  
3D Printer  
Sintering furnaces  
Milling materials  
Milling tools  
Polisher  
Accessories

[www.siladent.de](http://www.siladent.de)

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# SILADENT

## digital

## Welcome to CAD-CAM system world of SILADENT

As an innovative and independent family owned company in the dental field we built up a high level of technical competence in conjunction with distinctive quality products. We will preserve and enhance this technical competence.

The general economical conditions change well-known and approved structures in the dental sector as well. We have rendered high-end service and support in the past (for our partners in lab and whole sale trade) and will preserve this for the future, which is the focus of our business philosophy.

An important basis for our success are good educated and high motivated employees. With our social liability for employees and environment we try to measure up the expectations of our clients and partners.

### Imprint

Publisher: SILADENT Dr. Böhme & Schöps GmbH  
Im Klei 26 · DE-38644 Goslar

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Date of information: 09/2018

# Scanner Activity 885 Mark 2



## Fast

In just 29 seconds, the Activity 885 Mark II scans a complete mandible.

## Efficient

The two-axis system enables articulated scanning.

### ✓ The productive Scanner for each Laboratory

The Activity 885 Mark 2 convinces with impressive speed and accuracy.

### ✓ The Scanner for the right skull virtual articulation

The SAM®, Artex®, Baumann® and Gamma® articulation systems are currently supported. With exocad® CAD software, the scan models, jaw joint positions, and articulator settings are accurately transferred from the physical articulator to the CAD software. The resulting dynamic occlusion design creates highly-functional restorations, saving the dentist valuable chairside time.

Models that have been previously aligned in an articulator (using a face bow) can be positioned within the scanner using the corresponding magnetic spacer plates. After scanning the upper and lower jaws separately, the two models are placed in occlusal relation to one another by means of the ScanFixator and digitized. With the "Virtual Articulator" module and patient-specific data, the models can be used to simulate protrusive and lateral jaw movements to automatically construct occlusal surfaces for all kinds of restorations.

### ✓ Fast, fully-automatic scanner

### ✓ Transfer of jaw joint position into virtual articulator

### ✓ Scanfixators for Articulators Artex®, SAM®, Baumann®, Gamma®

### ✓ Large measurement field

### ✓ Highly accurate results by automated 3D calibration

### ✓ Accuracy up to 6 µm

### ✓ Output in an open STL file format

### ✓ No license fees

### ✓ inclusive software module secondDie



MADE IN GERMANY | SOFTWARE | OPTICAL DENTAL SCANNER | ERGONOMIC | PRECISION

## High-Performance

For ambitious dental laboratories and implantology practices.

Highest accuracy and brilliant details.



### ✓ The scanner for high precision demanding users

Vinyl has been especially designed for achieving a maximum of productivity in the daily laboratory work. From now on it is up to you to decide whether you wish to prepare a monochrome or a color texture scan. Decide for yourself which scanning mode suits your working style best. Decide for yourself whether you wish to scan with an open or closed lid.

Save considerable time with the fully automated z-axis. The Vinyl automatically guides the object to be scanned into the measuring field. Screwing on spacer plates, which is known from other manufacturers as well as the earlier smart optics models, is now dispensed with. Time which you can use far better elsewhere. Additionally the handling becomes significantly easier.

- ✓ High-Performance-Scanner
- ✓ Highest accuracy and brilliant details
- ✓ Correct transmission of the condyle in virtual articulators
- ✓ High ease of use
- ✓ Removable object holder and tool drawer ensures ergonomic operating
- ✓ Accuracy up to 6  $\mu\text{m}$
- ✓ Output in an open STL file format
- ✓ No license fees



CRANIUM-BASED MEASUREMENT | INNOVATION | FAST | EASE OF USE | OPEN INTERFACE

# SilaPart CAD

## construction software



## telescopic module & module texture recognition



**perfect fitting, highest finish quality  
& controllable friction**

### SilaPart CAD construction software

From now on produce your accurately fitting casting digitally with SilaPart CAD

- ✓ flexible construction options
- ✓ creates open STL-File
- ✓ easy to learn
- ✓ highest precision
- ✓ includes VITA-dental data base
- ✓ no license fees
- ✓ no deformation in the framework
- ✓ digital system security
- ✓ less post processing due to best possible finish quality
- ✓ Expansion for combination technique and telescopic manufacturing is available

### SilaPart CAD telescopic-module\*

- ✓ flexible construction options
- ✓ controllable friction
- ✓ creates open STL-File
- ✓ less post processing due to best possible finish quality

### SilaPart CAD module texture recognition

**NEW**

- ✓ model-cast structures and double-crown-module in a closed workflow
- ✓ adjustable friction with setting values
- ✓ offsets freely selectable
- ✓ preparation and design takeover through texture recognition

\* will work only in combination with the SilaPart CAD basic software

#### Test the software

A free trial of our SilaPart CAD construction software can be downloaded here:

[www.siladent.de/silapart-software](http://www.siladent.de/silapart-software)

or scan QR-Code





## exocad<sup>®</sup> DentalCAD

### The complete software solution for digital dentistry



- ✓ powerful dental CAD-Software
- ✓ great for beginners, yet powerful in the hands of an expert

The CAD software is known for its speedy operation and ease of use, helping you minimize training costs and maximize productivity. It is reliable and robust even when dealing with complex cases on a daily basis.

Once you're familiar with the base functionality of our software, there's more to discover:

- ✓ Copy previous designs, or mirror healthy teeth
- ✓ Load 2D images during the design
- ✓ Take advantage of our advanced mesh editing and matching features
- ✓ Save real 3D PDF files, to send out design previews that can be viewed in 3D using a standard PDF viewer
- ✓ Exchange large 3D data sets with dentalshare

Already the standard version, exocad<sup>®</sup> DentalCAD covers a wide variety of indications:

- ✓ Anatomic crowns
- ✓ Anatomic copings
- ✓ Bridge framework
- ✓ Inlays
- ✓ Onlays
- ✓ Primary telescops
- ✓ Veneers
- ✓ Waxup based frameworks
- ✓ Attachments
- ✓ Model creator
- ✓ Splints
- ✓ full denture **NEW**

The software grows with your needs: for advanced indications, such as implantology, a variety of add-on modules is available.





profiCAD dental

## The digital production of models

milling precision in own lab  
for the highest demands



DATA IMPORT



PREPARATION



NESTING



MILLING PROCESS

### Digital production of models

The economical solution for the digital production of models by subtractive milling and highest precision.

- ✓ Open system, compatible with all 5-axis milling systems using 98.5 mm diameter discs.
- ✓ Unique SilaCAD software for the digital editing of intraoral scans.
- ✓ Additional SilaCAM software for the execution of the milling process.
- ✓ No license fees
- ✓ Full milled arches in 30-45 minutes.
- ✓ Ready-made preformed gypsum milling blank on a pin-base plate with orbix-articulator or split-cast for fully-fledged articulation.
- ✓ Available for partial and full arches for
  - ✓ profiCAD - ERNST HINRICHS / SILADENT
  - ✓ model tray®-system / model-tray

### SilaCAD Software

A specially developed CAD construction software for the edition of digital intraoral scans. Handling of a variety of file formats of diverse intraoral scanners is assured.

Data are transferred into the SilaCAD software, trimmed and marked down to a technically sensible format. Optimisation and simplification revision of the scan leads to a considerable reduction of milling time.

### SilaCAM Software

To realize the milling process of the profiCAD system in each milling equipment, a SilaCAM software is respectively necessary. At the moment, SilaCAM software packages are available for the following 5-axis milling equipments:

- SilaMill 5 / T5 | HinriMill 5 / T5
- DWX-51D Roland

Additional approvals will be individually adapted for use in designated equipments.

## The profiCAD-Box

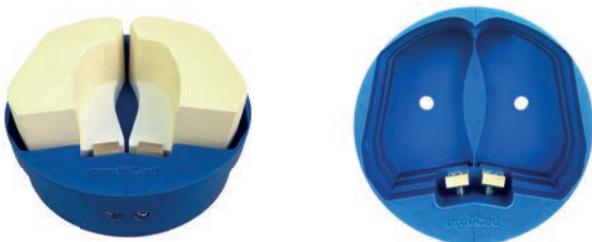
- 1 x Preform blank in U-form
- 1 x Preform model quadra left
- 1 x Preform model quadra right
- 1 x Preform model holder
- 1 x Preform model holder quadra
- 1 x Dongle with CAD-Software
- 1 x Dongle with CAM-Software



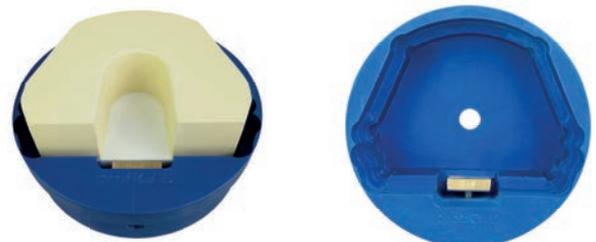
more information about the workflow and partners can be found at:  
<http://www.proficad-dental.de>

or scan QR-Code

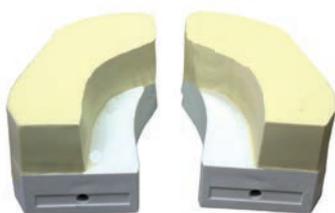
## Preform quadra model holder



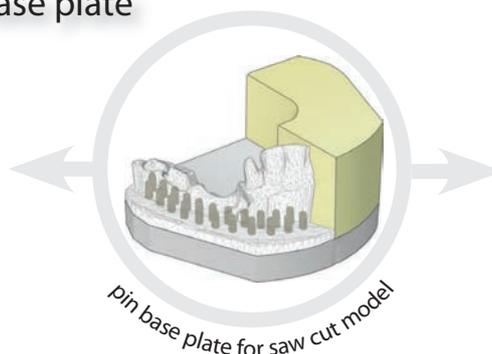
## Preform model holder



## Preform model quadra right & left on pin base plate



## Preform model on pin base plate



# Milling machine SilaMill N4



## especially efficient cooling

Eight liquid nozzles which are arranged at the spindle cool the whole tool evenly from the tip to the shank at all machining stages.

 [P. 32/33 details](#)



### ✓ 4 simultaneously working axes

The rotary axis (A axis) has a rotation range of + 190° to 10°.

### ✓ fully integrated liquid cooling system

Closed liquid cooling system – no external module for pump etc. necessary. Comfortable filling and cleaning due to removable drawer for liquid tank and filter for separating grinding particles.

### ✓ automatic changer for 8 tools

The two removable changer stations for four tools each will be equipped with just a few moves. The material will then be machined fully automatized and you can spend your time with other useful things until you remove the finished work. Haptic tool measurement for usage of diamond-coated tools.

### ✓ worldwide applicable

Due to far range switching mode power supply for 100 – 240 V and 50/60 Hz with country-specific mains plug. Certification according to ANSI/UL61010-1 for the USA and Canada.

### ✓ powerful and highly precise spindle

With 4-fold hybrid ceramic ball bearings and a nominal power of 300 W under continuous load.

### ✓ wide range of indications

For crowns, bridges (also fully anatomical), inlays, onlays, abutments, telescope crowns, veneers, table-tops etc.

### ✓ machine bed of massive aluminium cast

The machine bed of massive aluminium cast facilitates highest stability and a low-vibration operation.

### ✓ no previous knowledge necessary

Very easy operation via provided CAM software DentalCAM with machining strategies that are especially adapted for grinding – no previous knowledge in milling or grinding necessary.

### ✓ sophisticated protective mechanisms

Protection of the danger zone during the machining process with an automatic safety interlock at the frontcover. A flexible rubber gaiter protects mechanics, electronics and spindle effectively from humidity.

### ✓ ideal for labor/practice lab

The SilaMill N4 is an ideal machine for practice laboratories for producing the works without time delay and higher costs for an external production. Or you specifically add the wet grinding machine N4 Impression to the already existing machines for dry processing in the dental laboratory and save the cleaning works.

# Milling machine SilaMill Z4

**Precise. Fast.  
Independent.  
Economical.**

Tomorrow's leading technology.  
Available today.



**i** P. 32/33  
details



## Easy to use

- ✓ smart touchscreen operation
- ✓ automatic working chamber access door
- ✓ tool-free material mount (1-click mounting)
- ✓ coloured working chamber illumination indicates machining status
- ✓ working chamber with anti-graffiti coating for minimum cleaning effort
- ✓ automatic tool change
- ✓ self-opening drawer without handle contains water tank and tool magazines
- ✓ colour coded tool magazine
- ✓ removable and dishwasher-proof water tank
- ✓ integrated WiFi module

## Quality

- ✓ most finely balanced high frequency spindle with up to 100,000 RPM
- ✓ precise guiding rails and high-class ballscrew drives
- ✓ massive internal machine bed made of aluminium cast
- ✓ state-of-the-art FPGA based controller
- ✓ premium industrial quality Made in Germany

## Safety

- ✓ automatic matching of block material and required tool magazine
- ✓ no unauthorised interference by patients possible
- ✓ webcam in the working chamber

## Materials

- ✓ glass ceramics
- ✓ PMMA
- ✓ zirconium oxide
- ✓ composites
- ✓ prefabricated titanium abutments

## Environment & Resources

- ✓ extremely quiet due to internal insulation and thick-walled die casting housing
- ✓ no external compressed air supply necessary
- ✓ grinding without additives subject to mandatory waste disposal

# Milling machine SilaMill T5



## 5 simultaneously working axes

In addition to the three linear axes in x, y and z, two rotary axes ensure many and varied machining options.

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details



### ✓ machine bed of massive aluminium cast

A cast body which is closed at five sides absorbs vibrations and ensures a high stability of the whole machine. Additionally reinforced linear guides in x, y and z as well as a double mounted B axis further increase the rigidity of the whole axis system – so that you'll always get first-class milling results.

### ✓ rotation range up to $\pm 35$ degrees

The B axis with its exceptional great rotation range makes the SilaMill T5 ideal for model casts and surgical guides as well as prosthodontics and implantology.

### ✓ blanks of up to 40 mm thickness

The SilaMill T5 lets you manufacture a wide range of materials and indications.

### ✓ powerful and highly precise synchronous spindle

With 4-fold hybrid ceramic ball bearings and a nominal power of 300 W under continuous load – well-balanced torque band.

### ✓ automatic changer for 16 tools

In addition to the currently required tools, you can equip the tool changer with replacement tools right away. Thus you can continue working without interruption if a tool is worn out. Haptic tool measurement for usage of diamond-coated tools.

### ✓ practical drawer for accessories

Your tools and blanks are well stored and immediately at hand. The drawer also holds an integrated administrated tool board (ATB) for your milling tools. Its 30 numbered slots will be administrated by the DentalCAM software.

### ✓ sophisticated protective mechanisms

Automatic safety interlock at the front cover while machining. The established working chamber sealing air concept in combination with a rubber gaiter effectively protects the mechanics, electronic and spindle against dust and chippings.

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In addition to the currently required tools, you can equip the tool changer with replacement tools right away. Thus you can continue working without interruption if a tool is worn out. The haptic tool measurement enables the usage of diamond-coated tools.



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details



### ✓ 5 simultaneously working axes

The second rotary axis (B axis) with a rotation range of up to  $\pm 30$  degrees enables you to mill undercuts and so opens up new machining possibilities.

### ✓ wide range of materials and indications

Machining of plastics, wax, PEEK, zirconium oxide and composites up to non-precious alloys on cobalt-chrome basis, titanium and glass ceramics. For crowns, bridges (also fully anatomical), inlays, onlays, abutments, telescope crowns, model plates, model casts, bite splints, implant bars, veneers, table-tops, etc.

### ✓ worldwide applicable

Due to far range switching mode power supply for 100 – 240 V and 50/60 Hz with country-specific mains plug. Certification according to ANSI/UL 61010-1 for the USA and Canada.

### ✓ powerful and highly precise synchronous spindle

With 4-fold hybrid ceramic ball bearings and a nominal power of 300 W under continuous load.

### ✓ optional wet grinding module

Both machines are prepared for connecting the wet grinding module. There are liquid nozzles already mounted at the spindle so that the tool will be optimally cooled while grinding. Thus you can also process glass ceramics.

### ✓ machine bed of massive aluminium cast

Thus these machines gain much stability at minimal exterior dimensions. Moreover, vibrations are reduced and the mechanics is optimally protected.

### ✓ no previous knowledge necessary

Very easy operation via provided CAM software DentalCAM with Direct-Mill function – no previous knowledge in milling and grinding necessary.

### ✓ sophisticated protective mechanisms

Protection of the danger zone during the machining process due to an automatic safety interlock at the frontcover. Protection of the mechanics against dust and chippings as well as reduced wearing and maintenance effort due to integrated working chamber sealing air concept.

# Milling machine SilaMill 5.8



## Blank changer for 8 blanks

You fit the changing station with blanks via a smaller additional front cover. The proper blank for your milling job is inserted into the fixing device automatically when required. So the machine can mill around the clock and no operation steps have to be performed.

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details



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### ✓ worldwide applicable

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## SilaMill R5. Redifing milling

10 Discs

60 Blocks

60 Prefab Abutments

blank changer for 10 blanks

Direct Technology

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details



With the new high-end R5 dental lab machine, SILADENT has developed a highly automated milling and grinding machine with a tenfold blank changer for both wet and dry machining, bringing revolutionary approaches to the lab. It combines utmost precision with maximum stability regardless of material – all with a minimal footprint.

Operating the machine is also incredibly simple thanks to various patent-pending technologies: With Direct Disc Technology, milling blanks can now be processed directly without any cumbersome fiddling with the tenter frames. The R5 can be used with a maximum variety of materials when it comes to discs, blocks and abutments and therefore provides perfect investment protection!

The ability to feed milling blanks up to 40 mm thickness via a blank changer and get right to work is another highlight. Even better is the generous tilt angle for the fifth axis of  $\pm 35$  degrees. The R5 thereby guarantees a maximum of indication variety and freedom of design.

### Maximum Precision

- ✓ Restorations in ultra HD
- ✓ Water-cooled high-precision spindle
- ✓ 3 microns repetition accuracy

### Powerful Robustness

- ✓ Mills and grinds the toughest materials on the market including all Ti and CoCr
- ✓ 800 watts of power and 80,000 RPM
- ✓ Heavy industrial quality

### Absolute Independence

- ✓ Sheer unlimited material accessibility in 98 mm disc format, 30 block materials, and > 140 titanium and CoCr prefab abutment platforms
- ✓ Covers the broadest range of indications, due to  $\pm 35^\circ$  rotation angle in the 5th axis, and up to 40 mm blanks

### Unmatched Reliability

- ✓ 100 percent engineered and manufactured in Germany
- ✓ Comprehensive sensor technology to monitor all vital system functions
- ✓ Two webcams for remote monitoring

### Highly Economical

- ✓ One of the fastest machines on the market
- ✓ Revolutionary material loading with Direct Disc Technology
- ✓ Automatic changer holds up to 10 discs, 60 blocks, or 60 prefab abutment blanks
- ✓ Direct Clean Technology enables wet and dry on the fly: ionizer, self-cleaning and built-in dryer

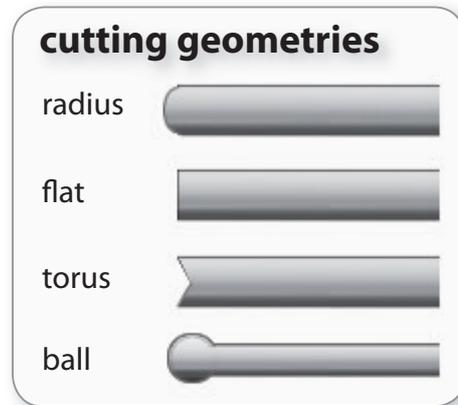
# Milling tools

## The suitable tools for your milling materials

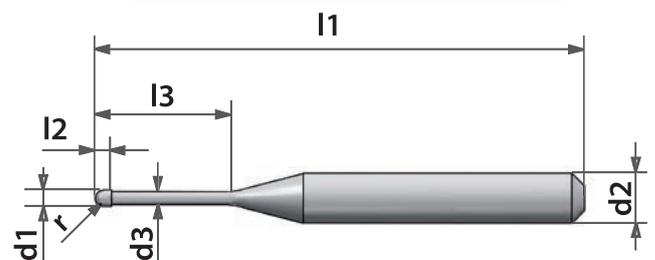


## The right tools, suitable for your milling machine with selected material.

It doesn't matter if you use a 4- or 5-axes milling machine. Depending on the purpose, we offer different lengths and geometries. You can get further information about that topic in our online shop or directly from our technicians.



## Tools for high loads and significant longer life.



**l1 = total length**                      **d1 = cutting diameter**  
**l2 = cutting length**                    **d2 = shaft diameter**  
**l3 = free grinding length**           **d3 = free grinding diameter**  
**r = radius**



## SILENT powerCAM EC



### SILENT powerCAM EC - extraction unit for CAM systems

Powerful extraction unit with EC motor, bag-free, fine filter technology, suitable for frequently used CAM systems.

#### Advantages

- ✓ Reliable production process thanks to a low-maintenance EC motor with 5,000 guaranteed operating hours.
- ✓ Suitable for CAD-CAM systems requiring high suction performance due to a powerful motor with a max. flow rate of 4000l/min.
- ✓ High operating comfort thanks to bidirectional communication with the CAM system via PLC control.

#### Details

- ✓ No dust bag change due to bag-free fine filter technology, including automatic filter cleaning.
- ✓ Safe disposal of fine milling dusts with the aid of a disposal bag.
- ✓ Very low operating noise of 54.3 dB(A).

# 3D-Printer SilaPrint 125 ULTRA



## The perfect 3D printer for the laboratory

The open resourced DLP printer SilaPrint 125 ULTRA is the perfect choice for the production of 3D printed crown and bridges, working models, splints and drilling templates and allows a fast and economical production of high accurate framework.



### ✔ large construction area

The construction area offers with 125 x 70 x 120 mm enough building space. It's possible to print at the same time 3 splints (horizontal) or 10 splints (vertical) at once.

### ✔ 5 - 200 µm layer thickness

There are no limits to precision. The layer thickness is individually adjustable. We recommend a layer thickness of 50 µm.

### ✔ SLC programme

A SLC programme is inclusive. The software is easy to install and operate. Individual SLC formats can be used.

### ✔ Deformation optimization

The SilaPrint 125 ULTRA includes a special swinging and solution system. Pulling forces during the printing process get minimized to avoid any deformations.

### ✔ Open system

The SilaPrint 125 ULTRA is an open system and can be used with external software and materials. The most common SLC format can be converted into a readable format quickly and easily by using the supplied Utility.

### ✔ Printing rate

The printing rate depends on the layer thickness and material. For example you can print 3 splints per hour.



### SilaPrint 125 ULTRA

construction area	125 x 70 x 120 mm
Z-Axis variable	5 - 200 µm
XY Resolution	65 µm
Wavelength (LED)	385
<b>Operation Environment</b>	
Temperature	10°C to 30°C
Humidity	40% to 60%
<b>System properties</b>	
Operation System	Windows 7, 8 and 10
Network Browser	Google Chrome
File Input	.SLC, .ZIP(PNG), .CWS, .WRK, .MII
<b>Properties</b>	
Printer size	43 x 43 x 59 cm
Weight	37,5 kg
Interface	Network, USB, Power supply
Power Input	Printer 24V DC, 3,75A widt adapter: 100~240V AC, 2A, 50/60Hz
SLC-Programm	integrated

## Flash-curing device for light-curing resins

The device can be used for the photopolymerisation of all light-curable materials (where the curing takes place) at a wavelength range of 280-580 nm. Ideal for end curing of 3D printed dental resins.



With its technical configuration, the Otoflash G171 enables short curing times. Compared to other methods this achieves a substantially better curing of the 3D printed materials, resulting in very good physical characteristics and reduced residual monomer content (inhibition layer).

In combination with our Otoflash G171 and our printing material Ortho Print UV (medical class IIa) you can produce certified occlusal splints and drilling templates.

- ✓ Dimensions of polymerisation chambers: 120 x 120 x 50 mm
- ✓ Trays for polymerization material with UVB blocker
- ✓ Power input: 250 W
- ✓ Number of light sources: 2 flashbulbs à 100 W
- ✓ Flash frequency: 10 flashes per second
- ✓ deliverable with a protective gas appliance for nitrogen (N2)
- ✓ Digital timer: adjustable from 1 to 9.999 flashes
- ✓ Dimensions: 310 x 310 x 140 mm, weight: 6 kg

## SilaPrint resins for 3D prints

Methacrylate-based light-curing resins for the generative fabrication of biocompatible drilling templates and occlusal splints, x-ray templates, models, crowns and bridges, partial denture frameworks, individual impression trays, etc.

SilaPrint light-curing resins are optimally adjusted for our SilaPrint 125 3D printer with a wavelength of 385 nm.

SilaPrint model UV is available in the colours grey, sand and ivory. A special blue version is available for the requirements of the thermo moulding technique.



# Sintering furnaces

## Tabeo



## HT-S / metal



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details

The model variants of the TABEO series are ideal for use either to supplement smaller CAD/CAM systems or for extending existing sintering furnaces.

Their respective capacities vary from one sintering tray  $\varnothing=100\text{mm}$  up to three sintering trays  $\varnothing=120\text{mm}$ . Your sintering program can easily be entered and saved in the program controller which is adapted for the TABEO series. Preset service programs support you during the simple maintenance and cleaning of the heating systems.

TABEO offers you the possibility to decide whether to use heating systems with heating elements made of  $\text{MoSi}_2$  or  $\text{SiC}$ . Both systems are designed for conventional longterm sintering. Heating elements made of molybdenum disilicide ( $\text{MoSi}_2$ ) offer a maximum furnace temperature of  $1650^\circ\text{C}$ . With the pre-defined service programs, contaminations on the heating elements can be regenerated.

Due to their physical properties, heating elements made of silicon carbide ( $\text{SiC}$ ) offer a maximum furnace temperature of  $1550^\circ\text{C}$ . The  $\text{SiC}$  heating elements do not need to be regenerated with a service program.

There are three models available to select from for sintering non-precious metal (NEM). All of these models work under inert gas atmosphere to protect the non-precious metal from scaling.

Choose from two long-lasting non-precious metal sintering systems. For the metal system 100, the shielding-gas supply is system-controlled. In addition to some pre-set material parameters, free programs are available. This guarantees safety. For the metal system 120, on the other hand, the shielding-gas supply can be adjusted manually. In addition to a high level of safety the customer can be sure to have the freedom to adapt the system to new kinds of metal material in the future.



## HT-S / HT-S Speed



## HT / HT Speed



**i** P. 34/35  
details

The HTS-2 not only combines the properties of both models, it also offers a larger sintering capacity of up to 80 individual crowns. The heating system with four high-performance molybdenum disilicide heating elements (MoSi<sub>2</sub>) means that you can now choose whether to use the conventional long-term sintering or the SPEED-sintering with a heat-up rate up to 99°C/minute.

The simple, practical handling of the HT-series program control was also incorporated here with all its familiar functions; program display on a four-line LCD-display, timer function for sintering overnight or also using drying programs for wet-milled restorations. There are three service programs for servicing the heating chamber and the heating system.

With the enlarged heating chamber, it is now possible to process three sintering trays Ø= 120mm during the conventional long-term sintering. However, the heating system with six high-quality molybdenum disilicide heating elements (MoSi<sub>2</sub>) enable you to carry out processes within 76 minutes in a SPEED-sintering process. These represent optimal prerequisites for your dental laboratory or milling centre.

As with all our model variants, the HT-2 is operated with a simple, self-explanatory program control. 4-line LCD-display, timer function for overnight sintering, drying programs for wet-milled restorations. There are three service programs for servicing the heating chamber and the heating system.



**German high-tech when it comes to  
preheating and sintering furnaces!**

# Milling materials

## Keralloy® BioStar



Heights: 8, 10, 12, 13.5, 15, 18, 20 and 24.5 mm

## CoCr BioStar



Heights: 8, 10, 12, 13.5, 15, 18, 20 and 24.5 mm

### Keralloy® BioStar

Keralloy® BioStar is a precious metal free, chromium cobalt-based milling alloy according to DIN EN ISO 22674, type 4. Keralloy® BioStar does not contain any beryllium, indium or gallium.

Keralloy® BioStar is easy to mill and guarantees a high biocompatibility. This alloy allows to mill thinnest frames. Its molecular structure allows smooth, compact surfaces with less oxide formation. Its thermal expansion coefficient is ideal for every ceramic of the latest generation. With shoulder.

#### Indications:

- ✓ Crowns and bridges
- ✓ One-piece abutments
- ✓ Implant superstructures
- ✓ optimizes lasering

### CoCr BioStar

CoCr BioStar is a precious metal free, chromium cobalt-based alloy for the dental application used in dental milling machines (CAD-CAM). It does not contain any nickel, beryllium or gallium.

One of the remarkable features is the high corrosion resistance and biocompatibility. CoCr BioStar is suitable for soldering. Its low hardness allows CoCr BioStar to be easily milled.

Available with or without shoulder.

#### Indications:

- ✓ Crowns and bridges
- ✓ One-piece abutments
- ✓ Implant superstructures
- ✓ optimizes lasering

## Ceramill Sintron®



Heights: 10, 12, 14, 16, 18, 20 and 25 mm

## TITAN BioStar



Heights: 8, 10, 12, 13.5, 15, 18 and 20 mm

### Ceramill Sintron®

A non-precious CoCr sinter metal mainly developed for desktop milling machines. Because of the wax-like texture Ceramill Sintron allows an effortless dry milling process. The sinter process guarantees maximum process reliability and produces homogeneous, distortion-free frameworks without contraction cavities.

Ceramill Sintron® can be veneered using any CoCr framework porcelain.

#### Indications:

- ✓ Telescope and conical crowns
- ✓ Bars and attachments
- ✓ Custom abutments on titanium bases
- ✓ Multi-unit, screw-retained restorations on titanium bases
- ✓ Anatomically reduced and fully anatomical crown and bridge frameworks in the anterior and posterior region

### TITAN BioStar

Biocompatible pure titanium milling blank for porcelain fused to metal (PFM) techniques. Titan BioStar admits easy laser welding and can be fired using all usual porcelain indicated for titanium.

#### Indications:

TITAN BioStar	°2	°4	°5
crowns both front and lateral	✓	✓	✓
bridge frames in frontal and lateral areas with up to three units	✓	✓	✓
Production of Abutments and bars		✓	✓

# Milling materials

## SilaPart BioStar



Heights: 16, 18, 20, 25 and 30 mm

A special milling disc for the production of perfect partial denture frameworks.

- ✓ suitable for all open milling systems
- ✓ flexible and brake resistant
- ✓ precise and fast milling
- ✓ burns out without any residues
- ✓ also suitable for milling crowns and bridges

## Splint Plus BioStar



Colour: transparent  
Heights: 15 and 20 mm

Highly meshed poly carbonate (PC)

- ✓ very high break resistance
- ✓ high cost effectiveness
- ✓ can be milled extremely thin
- ✓ no special milling instruments necessary
- ✓ very good adhesion with other synthetic materials
- ✓ easy polymerisation of set teeth
- ✓ comfortable biting hardness – not too hard and not too soft

## Wax BioStar

A milling wax disc especially adjusted to the dental CAD/CAM technique. Thereby crowns and bridges can be virtually formed, milled and finally casted the conventional way. The wax is excellently machinable and burns without residue. This results in smooth casted surfaces. These optimized features of the wax give way to even very delicate forms excluding shrinkage or distortion of the milled object. The wax – stable in volume – permits absolutely exact margin finishings and fits. Up to 30 units can be milled out of one disc.

Heights: 14, 16, 18 and 25 mm

## Marmoplast® BioStar

A milling gypsum blank with an extraordinary edge stability, produced from resin reinforced super hard stone. The mechanical properties are matched to meet the requirements of milling parameters and guarantees smooth and splinter-free surfaces. Cause of the special formulation the Preform models do not show any dust during the milling process, only gypsum chippings.

Colour: ivory

Ø 98.5 mm, 30 mm height

## PMMA BioStar



Colour: transparent, blue, ivory  
 Heights: 14, 18, 20, 25 and 30 mm

## Juvora Dental PEEK



Colour: grey-brown (natural) & white  
 Heights: 12, 16, 18, 20, 22, 25 and 30 mm

Dental milling discs based on PMMA (polymethylmethacrylate) which burn out residue-free and are developed for the casting technique. PMMA BioStar burns out without residue.

PMMA BioStar is available in 3 different colours.

A High-Performance Polymer made of pure PEEK (based on Polyetheretherketone) for the manufacturing of CAD/CAM based metal-free restorations for fixed and removable indications (e.g. implant-based applications, partial denture frameworks, etc.) for utilizing milling technology.

- ✓ Ideal for metal-free fixed and removable restorations
- ✓ very light, also for large dentures, high wearing comfort
- ✓ tasteless, highly biocompatible
- ✓ high resistance to wear, abrasion and corrosion
- ✓ can be individualized with common composite materials, good adhesive bond
- ✓ X-ray transparency – compatible with X-ray imaging

## YuDent™ Dental PEEK

A High-Performance Polymer based on PEEK (Polyetheretherketone) for the manufacturing of CAD/CAM based metal-free restorations for fixed and removable indications (e.g. implant-based applications, partial denture frameworks, etc.) utilizing milling technology.

- ✓ ideal for metal-free fixed and removable restorations and for implant supported works and partial dentures with clamps
- ✓ very light, also for large dentures, high wearing comfort
- ✓ tasteless, highly biocompatible
- ✓ high resistance to wear, abrasion and corrosion
- ✓ can be individualized with common composite materials, good adhesive bond



Colours: natural (grey-brown), Ø 98.5 mm with shoulder

# Milling materials

## Zirkon BioStar



Heights: 10, 12, 14, 16, 18, 20, 22 and 25 mm

## Zirkon BioStar Colour



Heights: 10, 12, 14, 16, 18, 20, 22 and 25 mm

### Zirkon BioStar

Zirkon BioStar is a white zirconium dioxide with a content of aluminium oxide for a better hydro thermal aging. Zirkon BioStar is usable for all common ceramic colour liquids.

### Zirkon BioStar Z

Zirkon BioStar Z is a translucent zirconium dioxide with a lower content of aluminium oxide.

Zirkon BioStar Blanks are isostatic, on single-cip™ production process (after the uniaxial pressing, every blank will be packed separately and pressed under an isostatic vacuum) compacted and presintered milling blanks for producing crown and bridge frameworks with excellent biocompatibility and high strength.

The pre-sintered blanks are eminently suitable for all open machining and have excellent edge stability.

Zirkon BioStar:  $\text{Al}_2\text{O}_3 = 0,25 \pm 0,10 \text{ wt\%}$

Zirkon BioStar Z:  $\text{Al}_2\text{O}_3 = < 0,1 \text{ wt\%}$

### Zirkon BioStar Colour

Already persistent coloured zirconium dioxide in the presintered stage, produced according the same production as Zirkon BioStar. Available in 5 different colours.

- ✓ The persistent coloured blanks guarantee a constant and homogenous colour quality.
- ✓ Saves a lot of time because there is no colouring and drying process anymore.
- ✓ When editing is no white spots or streaks of color result

Colour orientation compared to the VITA-colour code:

500 => A1/A2

800 => A3/B3

1000 => C2/C3

1333 => A3,5/B4

2000 => A4



## Zirkon BioStar HT



Heights: 12, 14, 16, 18, 20 and 25 mm

## Zirkon BioStar HT Colour



Heights: 12, 14, 18, 20 and 25 mm

## Zirkon BioStar HT (white)

Zirkon BioStar HT is a high translucent zirconium dioxide with optimal hydrothermal consistency. This newly developed material allows now also the production of full anatomic frameworks. After the milling process the frameworks can be customised according to the paint brush technique.

## Zirkon BioStar HT Colour

Persistent coloured zirconium dioxide in the presintered stage, available in 4 different colours (A1, A2, A3, A3,5) and 2 heights (14 mm and 18 mm).



## Zirkon BioStar HT Smile (white)



An extraordinary high translucent zirconium oxide for restoration with maximum 3 pontics at anterior and posterior bridges with a lower bending strength of 600 MPa.

- ✓ translucent as lithium-disilicate
- ✓ especially designed for the anterior region
- ✓ for single crown, Inlays, Onlays, Veneers
- ✓ maximum 3 pontics at anterior and posterior bridges
- ✓ absolut biokompatibel
- ✓ sintering temperature: 1.450 °C/ 2 h soaking time

Heights: 12, 14, 16, 18, 20 und 25 mm

# Milling materials

## Zirkon BioStar HT Multilayer

**NEW**



### Zirkon BioStar HT Multilayer

An extraordinary high translucent, pre-coloured multi-layer zirconium oxide for monolithic frameworks.

Through an optimal production process the multilayered colours reach a natural and flowing colour gradient from dental enamel, dentine and the neck of tooth. The indications for maximum 3 pontics offers a large range of applications.

available in A2 and A3

- ✓ translucent as lithium-disilicate
- ✓ especially designed for the anterior region
- ✓ for single crown, inlays, onlays, veneers
- ✓ maximum 3 pontics at anterior and posterior bridges
- ✓ absolut biocompatible
- ✓ sintering temperature: 1.450 °C/ 2 h soaking time

Heights: 14, 18 und 22 mm

## Zirkon BioStar HT Smile Colour



## Zirkon BioStar HT Smile Multilayer

**NEW**



Heights: 14, 18 and 22 mm

## Zirkon BioStar HT Smile Colour

An extraordinary high translucent zirconium oxide for restoration with maximum 3 pontics at anterior and posterior bridges, inlays, onlays and individual implant abutments.

- ✓ translucent as lithium-disilicate
- ✓ especially designed for the anterior region
- ✓ for single crown, inlays, onlays, veneers
- ✓ maximum 3 pontics at anterior and posterior bridges
- ✓ absolut biocompatible
- ✓ sintering temperature: 1.450 °C/ 2 h soaking time

available in 8 different colours (A1, A2, A3, A3.5, B2, B3, C2, D2)



## Zirkon BioStar HT Smile Multilayer

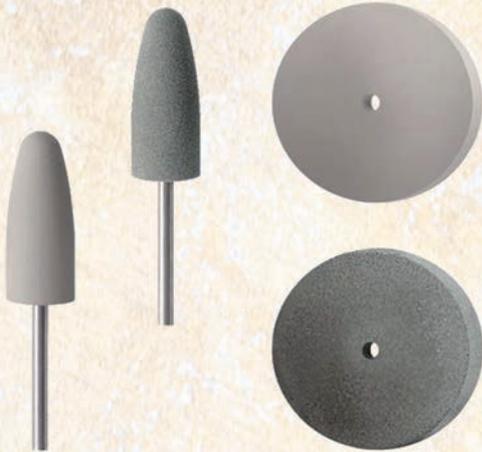
An extraordinary high translucent, pre-coloured multilayer zirconium oxide for monolithic frameworks.

Through an optimal production process the multilayered colours reach a natural and flowing colour gradient from dental enamel, dentine and the neck of tooth. The indications for maximum 3 pontics offers a large range of applications.

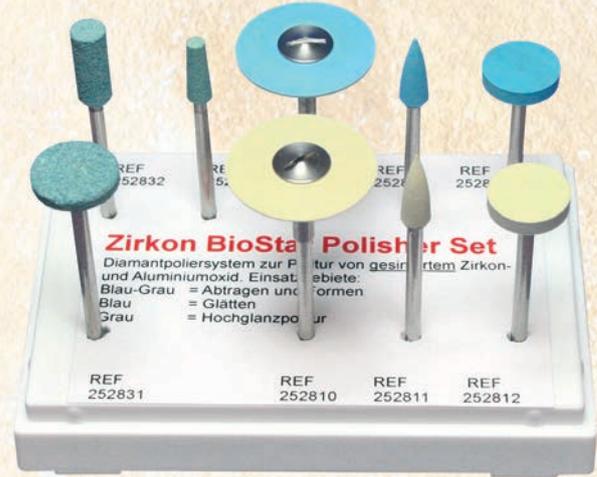
- ✓ Polychromatic blanks with fluent colour gradation: 3 layers
- ✓ Available in 2 high translucent variations: A2 with colour gradient A1 - A2.5 and A3 with colour gradient A2 - A3.5
- ✓ translucent as lithium disilicate
- ✓ for single crowns, inlays, onlays, veneers
- ✓ maximum 3 pontics at anterior and posterior bridges
- ✓ Reduced costs for processing and customizing the restorations
- ✓ absolut biocompatible
- ✓ sintering temperature: 1.450 °C/ 2 h soaking time

# Polisher

## Zirkon BioStar PrePolisher



## Zirkon BioStar Polisher



Silicon-based polishing burs for milled zirconium structures **previous to sintering**.

The zirconium structures can be polished and trimmed easily due to its still soft condition. Margens can be smoothed and pontics shaped.

Zirkon BioStar prepolishers are free of colour pigments which avoids unwanted staining. Due to their soft silicone bonding, they are especially adequate for the also soft consistency of the structures and adapt perfectly to the objects.

### Applications:

dark grey = 1. grade: cutting, stripping and shaping  
light grey = 2. grade: high gloss polish

### Shape:

wheel, disc

Diamond-based polishing system for burnishing **sintered** zirconium and alumina.

The chosen diamond grade allows for a gentle treatment of the frames with minimal heat development, resulting in excellent polishing effects.

### Applications:

blueish grey = coarse: Cutting, stripping and shaping  
blue = medium: Burnishing  
grey = fine: High gloss polish

### Shape:

lense, flame, wheel, roll

## MarmoScan Spray Basic



400 ml can

## MarmoScan Spray Plus



200 ml can

### Scan-Spray, white

- ✓ suitable for all CAD-CAM systems
- ✓ homogeneous spray condition with very smooth surfaces
- ✓ very good price-performance ratio
- ✓ for the extraoral application (gypsum model)
- ✓ easy to clean with water steam

### Scan-Spray, white

- ✓ extra-fine atomiser for ultra fine spray film, ensures finest edge presentation
- ✓ homogeneous spray condition with very smooth surfaces
- ✓ easy to clean with water steam
- ✓ suitable for all CAD-CAM systems
- ✓ for the extraoral application (gypsum model)

## MarmoScan Wax

Scannable modelling wax, Colours: ivory

Applications:

- ✓ Used in blocking out cavities and closing saw cuts prior to scanning
- ✓ For all CAD-CAM systems (white light and laser scan)
- ✓ Compatible with CAM-Stone N, as no additional spray/powder is needed when using MarmoScan Wax
- ✓ For optimum scan and fit



## MarmoScan Varnish

Scannable non-reflecting varnish for all dental gypsum

colour: ivory

20 ml bottle with brush



# Overview milling machines



	SilaMill N4	SilaMill N4	SilaMill T5
<b>Fields of application</b>	wet machining	wet machining	dry machining
<b>Materials</b>	<ul style="list-style-type: none"> <li>✓ Glass ceramic</li> <li>✓ Composites</li> <li>✓ Titanium</li> <li>✓ Zirconium oxide in block form</li> </ul>	<ul style="list-style-type: none"> <li>✓ Glas ceramic</li> <li>✓ Composites</li> <li>✓ Titanium</li> <li>✓ Zirconium oxide in block form</li> </ul>	<ul style="list-style-type: none"> <li>✓ Resin</li> <li>✓ Wax</li> <li>✓ Zirconium oxide</li> <li>✓ Composites</li> <li>✓ CoCr</li> <li>✓ Gypsum</li> </ul>
<b>Indications</b>	<ul style="list-style-type: none"> <li>✓ Crowns</li> <li>✓ Bridge frameworks</li> <li>✓ Inlays</li> <li>✓ Onlays</li> <li>✓ fully anatomical crowns and bridge frameworks</li> <li>✓ Abutments</li> <li>✓ Telescope crowns</li> <li>✓ Veneers</li> <li>✓ Table-Tops</li> </ul>	<ul style="list-style-type: none"> <li>✓ Crowns</li> <li>✓ Bridge frameworks</li> <li>✓ Inlays</li> <li>✓ Onlays</li> <li>✓ fully anatomical crowns and bridge frameworks</li> <li>✓ Abutments</li> <li>✓ Telescope crowns</li> <li>✓ Veneers</li> <li>✓ Table-Tops</li> </ul>	<ul style="list-style-type: none"> <li>✓ Crowns</li> <li>✓ Bridge frameworks</li> <li>✓ Inlays</li> <li>✓ Onlays</li> <li>✓ fully anatomical crowns and bridge frameworks</li> <li>✓ Abutments</li> <li>✓ Telescope crowns</li> <li>✓ Model plates</li> <li>✓ Model casting</li> <li>✓ Occlusal covers</li> <li>✓ Model plug teeth</li> <li>✓ Implantbars</li> <li>✓ Veneers</li> <li>✓ Table-Tops</li> </ul>
<b>no. of axes</b>	4	4	5
<b>Rotation range of the axes</b>	A: + 190° up to - 10°	A: + 190° up to - 10°	A: ± 360° B: ± 35°
<b>Spindle speed</b>	up to 60.000 U/min	up to 100.000 U/min	up to 60.000 U/min
<b>Dimensions</b>	360 x 451 x 471 mm	471 x 522 x 507 mm	450 x 530 x 630 mm
<b>Weight</b>	50 kg	66 kg	91 kg
<b>Power supply</b>	100 – 240 V   50/60 Hz		
<b>Compressed air demand</b>	4 - 8 bar 35 l/min - 50 l/min	4 - 8 bar 35 l/min - 50 l/min	6 - 8 bar 40 l/min - 50 l/min
<b>Warranty</b>	12 months		
<b>Room temperature</b>	18-25 °C   max. 32°C		
<b>Humidity</b>	max. 80%		

\* in combination with wet grinding option

# Overview milling machines



SilaMill 5	SilaMill 5.8	SilaMill R5	
wet & dry machining	wet & dry machining	wet & dry machining	<b>Fields of application</b>
<ul style="list-style-type: none"> <li>✓ Resin</li> <li>✓ Wax</li> <li>✓ Zirconium oxide</li> <li>✓ Nano-Composites</li> <li>✓ Glass ceramic</li> <li>✓ CoCr</li> <li>✓ Titanium*</li> <li>✓ Gypsum</li> </ul>	<ul style="list-style-type: none"> <li>✓ Resin</li> <li>✓ Wax</li> <li>✓ Zirconium oxide</li> <li>✓ Nano-Composites</li> <li>✓ Glass ceramic</li> <li>✓ CoCr</li> <li>✓ Titanium*</li> <li>✓ Gypsum</li> </ul>	<ul style="list-style-type: none"> <li>✓ Resin</li> <li>✓ Wax</li> <li>✓ Zirconium oxide</li> <li>✓ Nano-Composites</li> <li>✓ Glass ceramic</li> <li>✓ CoCr</li> <li>✓ Titanium*</li> <li>✓ Gypsum</li> </ul>	<b>Materials</b>
<ul style="list-style-type: none"> <li>✓ Crowns</li> <li>✓ Bridge frameworks</li> <li>✓ Inlays</li> <li>✓ Onlays</li> <li>✓ fully anatomical crowns and bridge frameworks</li> <li>✓ Abutments</li> <li>✓ Telescope crowns</li> <li>✓ Model plates</li> <li>✓ Model casting</li> <li>✓ Occlusal covers</li> <li>✓ Model plug teeth</li> <li>✓ Implantbars</li> <li>✓ Veneers</li> <li>✓ Table-Tops</li> </ul>	<ul style="list-style-type: none"> <li>✓ Crowns</li> <li>✓ Bridge frameworks</li> <li>✓ Inlays</li> <li>✓ Onlays</li> <li>✓ fully anatomical crowns and bridge frameworks</li> <li>✓ Abutments</li> <li>✓ Telescope crowns</li> <li>✓ Model plates</li> <li>✓ Model casting</li> <li>✓ Occlusal covers</li> <li>✓ Model plug teeth</li> <li>✓ Implantbars</li> <li>✓ Veneers</li> <li>✓ Table-Tops</li> </ul>	<ul style="list-style-type: none"> <li>✓ Crowns</li> <li>✓ Bridge frameworks</li> <li>✓ Inlays</li> <li>✓ Onlays</li> <li>✓ fully anatomical crowns and bridge frameworks</li> <li>✓ Abutments</li> <li>✓ Telescope crowns</li> <li>✓ Model plates</li> <li>✓ Model casting</li> <li>✓ Occlusal covers</li> <li>✓ Model plug teeth</li> <li>✓ Implantbars</li> <li>✓ Veneers</li> <li>✓ Table-Tops</li> </ul>	<b>Indications</b>
5	5	5	<b>No. of axes</b>
A: ± 360° B: ± 30°	A: ± 360° B: ± 35°	A: ± 360° B: ± 35°	<b>Rotation range of the axes</b>
up to 60.000 U/min	up to 60.000 U/min	up to 80.000 U/min	<b>Spindle speed</b>
490 x 445 x 540 mm	692 x 445 x 540 mm	580 x 695 x 600 mm	<b>Dimensions</b>
75 kg	95 kg	144 kg	<b>Weight</b>
100 – 240 V   50/60 Hz			<b>Power supply</b>
6 bar mind. 80 l/min	6 bar mind. 80 l/min	6 - 8 bar 100 l/min - 110 l/min	<b>Compressed air demand</b>
12 months			<b>Warranty</b>
18-25 °C   max. 32°C			<b>Room temperature</b>
max. 80%			<b>Humidity</b>

# Overview sintering furnaces



	TABEO-1 S/ZIRKON-100	TABEO-1 M/ZIRKON-100
	Zirconium oxide	Zirconium oxide
Heating-chamber height (mm)	42	42
Sintering tray	1 x Ø 100 mm / 30 mm	1 x Ø 100 mm / 30 mm
max. temperature	1550 °C	1650 °C
Heating elements	4 x SiC	4 x MoSi
max. programmable heating rate (K/min)	25	25
shortest heating periode to 1.500°C at 230V	63	61
shortest cooling periode to 300°C	124	148
Program control		
7-segment LED	✓	✓
4-lines LCD	✗	✗
Number of process steps	4	4
fixed programs	✗	✗
Program numbers free	9	9
Thermocouple PtRh-Pt 140 mm, Typ S	✓	✓
Service programs		
A-Temperature control	✓	✓
C-Purge heating chamber	✓	✓
E-Regenerate heating elements	✗	✓
Buffering of emergency-cooling battery		
Port RS 232	✓	✓
Door lift function	✗	✗
Shielding-gas supply	✗	✗
Over-night programming	✓	✓
Power max.	1700 W	1500 W
Voltage range	220-240 V   50/60 Hz	
Dimensions	400 x 400 x 600 mm	400 x 400 x 600 mm
Weight	60 kg	55 kg

# Overview sintering furnaces



	TABEO-2 S/ZIRKON-120	TABEO-2 M/ZIRKON-120	TABEO-2 M/METAL-120
	Zirconium oxide	Zirconium oxide	Metal
	92	92	92
	1 x Ø 100 mm / 30 mm	1 x Ø 100 mm / 30 mm	1 x Ø 120 mm
	1550 °C	1650 °C	1400 °C
	4 x SiC	4 x MoSi	4 x MoSi
	25	25	40
	58	72	
	143	145	
	✓	✓	✓
	✗	✗	✗
	4	4	4
	✗	✗	4
	9	9	5
	✓	✓	✓
	✓	✓	
	✓	✓	
	✗	✓	
	✓	✓	✓
	✗	✗	✗
	✗	✗	✓
	✓	✓	✓
	2000 W	1800 W	1600 W
		220-240 V   50/60 Hz	
	480 x 460 x 680 mm	480 x 460 x 680 mm	530 x 460 x 680 mm
	85 kg	80 kg	80 kg

# Overview sintering furnaces



	HTS-2 M/ZIRKON-120		TABEO-1 M/ZIRKON-100	
	Zirconium oxide		Zirconium oxide	
Heating-chamber height (mm)	72		42	
Sintering tray	2 x Ø 120 mm / 30 mm		3 x Ø 120 mm / 30 mm	
max. temperature	1650 °C		1650 °C	
Heating elements	4 x MoSi		4 x MoSi	
	Classic	Speed	Classic	Speed
max. programmable heating rate (K/min)	30	99	30	99
shortest heating periode to 1.500°C at 230V	55	25	49	27
shortest cooling periode to 300°C	47	18	143	19
Program control				
7-segment LED	✘		✘	
4-lines LCD	✔		✔	
Number of process steps	4		4	
fixed programs	✘		✘	
Program numbers free	30		30	
Thermocouple PtRh-Pt 140 mm, Typ S	✔		✔	
Service programs				
A-Temperature control*	✔		✔	
C-Purge heating chamber	✔		✔	
E-Regenerate heating elements	✔		✔	
Buffering of emergency-cooling battery	✘		✘	
Port RS 232	✔		✔	
Door lift function	✔		✔	
Shielding-gas supply	✘		✘	
Over-night programming	✔		✔	
Power max.	3200 W		3800 W	
Voltage range	220-240 V   50/60 Hz			
Dimensions	390 x 500 x 790 mm		500 x 560 x 820 mm	
Weight	60 kg		74 kg	

\* only in conjunction with test-kit

# Overview sintering furnaces



	HTS-1 M/METAL-100	HTS-2 M/METAL-120
	Metal	Metal
	57	57
	1 x Ø 100 mm	1 x Ø 120 mm
	1400 °C	1400 °C
	4 x MoSi	4 x MoSi
	40	40
	✗	✗
	✓	✓
	4	4
	4	4
	26	26
	✓	✓
	✗	✗
	✓	✓
	✓	✓
	✓	✓
	✓	✓
	2000 W	2000 W
	220-240 V   50/60 Hz	
	390 x 500 x 790 mm	390 x 500 x 790 mm
	56 kg	56 kg

# Overview milling tools

Material	Colourcode	SilaMill	Typ
Universal cutter		SilaMill 4 / N4	Double-toothed radius cutter
			Flat grinded double tooth cutter
		SilaMill 5 / 5.8 / T5 / R5	Double-toothed radius cutter with coating
			Flat grinded double tooth cutter with coating
Zirconium oxide Discontinued - only on sale		SilaMill 4 / N4 / Z4	Double-toothed radius cutter
			Double-toothed radius cutter
		SilaMill 5 / 5.8 / T5 / R5	Double-toothed radius cutter
			Double-toothed radius cutter
Zirconium oxide with special coating		SilaMill 4 / N4 / Z4	Double-toothed radius cutter
			Triple-toothed radius cutter
		SilaMill 5 / 5.8 / T5 / R5	Double-toothed radius cutter
			Triple-toothed radius cutter
Zirconium oxide with diamond coating		SilaMill 4 / N4 / Z4	Double-toothed radius cutter
			Double-toothed radius cutter
			Triple-toothed radius cutter
		SilaMill 5 / 5.8 / T5 / R5	Double-toothed radius cutter
			Double-toothed radius cutter
			Triple-toothed radius cutter
Glass ceramic		SilaMill 4 / N4 / Z4	Radius grinder
			Torus grinder
			Radius grinder
			Torus grinder
			Radius grinder
			Torus grinder
			Radius grinder
		SilaMill N4 / Z4 5 / 5.8 / R5	Premium radius grinder
			Premium torus grinder
			Premium radius grinder
			Premium torus grinder
			Premium radius grinder
			Premium torus grinder
			Premium radius grinder
Non-precious alloys on CoCr basis & Titanium only with wet grinding option		SilaMill 4 / Z4	Double-toothed radius cutter
			Double-toothed radius cutter
			Double-toothed torus cutter
		SilaMill N4 5 / 5.8 / T5 / R5	Double-toothed radius cutter
			Double-toothed torus cutter
			Double-toothed radius cutter
Wax and PMMA		SilaMill 4 / N4 / Z4	Single tooth radius cutter
			Double-toothed radius cutter
			Single tooth radius cutter
			Double-toothed radius cutter
		SilaMill 5 / 5.8 / T5 / R5	Flat grinded single tooth cutter
			Single tooth radius cutter
			Double-toothed radius cutter
			Single tooth radius cutter
Nanocomposites with special coating		SilaMill 4 / N4 / Z4	Double-toothed radius cutter
			Double-toothed radius cutter
		SilaMill 5 / 5.8 / T5 / R5	Double-toothed radius cutter
			Double-toothed radius cutter

# Overview milling tools

Ø Blade	Length Blade	Length	CAM-Code	REF
0.3	0.6	35	U030-R2-35	249150
0.5	1.5	35	U050-F2-35	249151
0.6	1.2	35	U060-R2-35	249152
1.2	5.0	35	U120-F2-35	249153
0.3	0.6	40	U030-R2-40	249263
0.5	1.5	40	U050-F2-40	249251
0.6	1.2	40	U060-R2-40	249252
1.2	5.0	40	U120-F2-40	249253
1.0	2.0	35	Z100-R2-35	249131
2.0	4.0	35	Z200-R2-35	249132
1.0	2.0	40	Z100-R2-40	249221
2.0	4.0	40	Z200-R2-40	249222
1.0	2.0	35	Z100-R2-35	249141
2.0	4.0	35	Z200-R3-35	249142
1.0	2.0	40	Z100-R2-40	249231
2.0	4.0	40	Z200-R3-40	249232
0.6	1.2	35	Z060-R2D-35	249244
1.0	2.0	35	Z100-R2D-35	249245
2.0	4.0	35	Z200-R3D-35	249246
1.2	5.0	35	Z120-F2D-35	249247
0.6	1.2	40	Z060-R2D-40	249240
1.0	2.0	40	Z100-R2D-40	249241
2.0	4.0	40	Z200-R3D-40	249242
1.2	5.0	40	Z120-F2D-40	249243
0.6	5.5	35	G060-R-35	249262
0.6	4.0	35	G060-T-35	249264
1.0	8.0	35	G100-R-35	249260
1.2	9.0	35	G120-T-35	249265
2.4	16.0	35	G240-R-35	249266
2.6	16.0	35	G260-T-35	249261
0.6	5.5	35	G060-R-35	249272
0.6	4.0	35	G060-T-35	249273
1.0	8.0	35	G100-R-35	249270
1.2	9.0	35	G120-T-35	249274
2.4	16.0	35	G240-R-35	249275
2.6	16.0	35	G260-T-35	249271
0.6	1.2	32	M060-R2-32	249300
1.0	3.0	32	M100-R2-32	249301
1.2	3.0	32	M120-T2-32	249303
2.0	4.0	32	M200-R2-32	249302
2.0	4.0	32	M200-T4-32	249304
0.6	1.2	35	M060-R2-35	249310
1.0	3.0	35	M100-R2-35	249311
1.2	3.0	35	M120-T2-35	249313
2.0	4.0	35	M200-R2-35	249312
2.0	4.0	35	M200-R4-35	249314
1.0	4.0	35	P100-R1-35	249115
1.0	2.0	35	P100-R2-35	249111
2.0	8.0	35	P200-R1-35	249116
2.0	4.0	35	P200-R2-35	249112
2.5	5.0	35	P250-F1-35	249114
1.0	4.0	40	P100-R1-40	249206
1.0	2.0	40	P100-R2-40	249201
2.0	8.0	40	P200-R1-40	249205
2.0	4.0	40	P200-R2-40	249202
2.5	5.0	40	P250-F1-40	249204
1.0	2.0	35	C100-R2-35	249121
2.0	2.0	35	C200-R2-35	249122
1.0	2.0	40	C100-R2-40	249211
2.0	4.0	40	C200-R2-40	249212



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