



BEGO

# CAD/CAM SOLUTIONS

The right solution  
for every indication

Partners in Progress



# BEGO CAD/CAM Solutions

**Really. Great. Choice.**

As a family-owned company, open and friendly communication with our customers is of the utmost importance to us, particularly in the dynamic CAD/CAM field. We know how valuable a solid partnership is and dedicate our full attention to your requirements. Let us work together to develop future-proof CAD/CAM solutions for you, which will increase your operating efficiency as well as ensuring your independence.

**You decide what we should do for you!**

Regardless of whether you already have your own scanner and no matter how much experience you have in digital fabrication processes, the support given by our experts will quickly provide you with an optimal solution benefitting the flexibility and efficiency of your lab – even without a high investment.

**Absolutely free and absolutely safe? This only appears contradictory.**

CAD/CAM fabrication of prosthetic restorations are the future. Deciding which solution is technically, qualitatively and economically most attractive for your laboratory can be difficult. Can you minimize your investment risks while maintaining your efficiency and freedom of choice for optimal patient care?

Yes – with BEGO as your cooperation partner offering maximal material choice across a range of processing techniques.

BEGO's state-of-the-art production center ensures that restorations of the finest quality will be returned to you.

Convince yourself!

**What BEGO CAD/CAM means for you:**

- Your laboratory remains state-of-the-art with
- A maximum range of indications for materials and processes
- Low fixed costs and increased capital for you, due to outsourcing
- Highly flexible working processes
- Excellent support and qualified application consultants
- Depending on the type of restoration up to a lifetime guarantee – security for patient, dentist and your laboratory
- Satisfied clients and patients



## Connection is easy

### BEGO File Generator

#### Your direct connection to BEGO

BEGO's custom software, File Generator allows for easy transmission of your STL-files to our production center. Simply enter the case identification information, material choice and tooth position, accept the terms of business and click "send" – we will do the rest. Download the File Generator from our website and follow the registration instructions. Upon completing the registration process, transmit your saved STL-files through BEGO's File Generator directly into our production center.

Call our BEGO customer support today to get started.

Your BEGO  
customer support  
Tel. +49 421 2028-200  
Mon.–Thurs.: 8:00 am – 6:00 pm  
Fri.: 8:00 am – 5:00 pm



## The BEGO Service

### BEGO Connect App

#### Real-time production status

Follow the real-time status of your BEGO crown, bridge, custom abutment or partial denture orders. The BEGO Connect App operates as a virtual window into the high-tech production center of BEGO and can easily be installed via your BEGO customer support onto your desktop device.

After registering with the BEGO customer number and password, users can check whether their orders have been received by BEGO, are in data preparation or production, have been produced or already sent to the customer. Additionally, the app provides the opportunity to track the delivery status of the courier service provider.

### BEGO Security Basic

#### Our free guarantee service for you

BEGO Security Basic covers the free, uncomplicated delivery of replacement BEGO products in cases of justified complaints. We offer appropriate BEGO Security Basic modules for all types of CAD/CAM prosthetics and our voluntary service far exceeds the statutory guarantee – even up to a lifelong guarantee for some products.



# Our four processes at a glance

Setting the standard for products and production

Anyone who wants the best for their clients must continually set the bar higher. The high-tech production center at our headquarters in Bremen is an example of this. We fabricate your custom products using up-to-date laser and milling techniques currently employing four different processes.



## Production processes at a glance

Processes	Advantages	Ideal for
<p><b>Selective Laser Melting (SLM)</b> This procedure, developed and patented by BEGO is used for creating high quality metal frameworks. The Wirobond® C+ alloy, which has been proven millions of times, is employed and provides you with a very high level of safety. The microstructured surface with reduced oxide formation of the Wirobond® C+ alloy guarantees a high shear bond strength and optimal bonding properties for veneering. For partial denture frameworks with clasps or hybrid double crowns, the specially developed WIRONIUM® RP alloy is used. The frameworks are supplied polished or blasted.</p>	<ul style="list-style-type: none"> <li>• Top material properties and outstanding alloy density</li> <li>• Tension-free frameworks</li> <li>• Excellent precision of fit</li> <li>• Controlled production techniques ensure high compatibility with all major ceramic systems</li> <li>• Precisely fitting, pore-free partial denture frameworks</li> <li>• Optimum clasp elasticity</li> <li>• Blasted or high gloss polished</li> </ul>	<ul style="list-style-type: none"> <li>• Crowns and bridges up to 16 units made out of Wirobond® C+</li> <li>• Telescopic crowns</li> <li>• Clasp frameworks</li> </ul>
<p><b>High Speed Cutting (HSC)</b> High Speed Cutting is the procedure of choice for precise fabrication of zirconia frameworks. Implant prosthetics made of titanium and Wirobond® M+ can also be fabricated with this procedure. BEGO's production center is supplied with the most modern equipment and is being continually expanded. Our engineering and process knowledge benefit your laboratory; there is no need to make these significant investments yourself.</p>	<ul style="list-style-type: none"> <li>• 5-axis simultaneous milling</li> <li>• Minimize material loss</li> <li>• Precision milling thanks to linear direct drive technology</li> <li>• Frames fit with no further preparation, therefore no errors in ceramic finishing</li> </ul>	<ul style="list-style-type: none"> <li>• Zirconia crowns and bridges</li> <li>• Wirobond® M+ crowns and bridges up to 16 units</li> <li>• Lithium disilicate single-tooth restorations</li> <li>• Implant abutments, bars and screw retained bridges</li> </ul>
<p><b>Hybrid production</b> Combining the material economy of additive SLM (Selektive Laser Melting) with the precision of HSC milling.</p>	<ul style="list-style-type: none"> <li>• Precision-fit partial dentures with double crowns in one piece</li> <li>• Individual friction adjustment</li> <li>• No joining of double crowns and base</li> <li>• CAD software defined fit parameters</li> </ul>	<ul style="list-style-type: none"> <li>• Hybrid work with double crowns</li> <li>• High biocompatibility as no additional joining is necessary</li> <li>• High precision due to industrial production processes</li> </ul>
<p><b>CAD/Cast®</b> For the CAD/Cast® procedure, a wide range of precious alloys is available to you. Acryl frameworks are fabricated in the BEGO production center, based on your CAD models or files. These are then invested and cast in the material of your choice using industrial vacuum/pressure casting. The cast framework is then sent to you. The CAD/Cast® procedure offers you, in comparison to your traditional procedure, an economical alternative for fabricating frameworks out of precious alloys.</p>	<ul style="list-style-type: none"> <li>• A wide choice of 17 precious and non-precious alloys</li> <li>• Industrial casting</li> <li>• No stock required</li> <li>• No waste of material due to casting</li> </ul>	<ul style="list-style-type: none"> <li>• Crowns and bridges including individual two-piece abutments made of various precious and non-precious alloys</li> </ul>
<p><b>3D printing</b> The 3D printing process is used to print single crowns, inlays, onlays and veneers from the tooth-colored ceramic filled hybrid material VarseoSmile Crown plus.</p>	<ul style="list-style-type: none"> <li>• Seven VITA* classical shades: A1, A2, A3, B1, B3, C2, D3 and BEGO Bleach BL</li> <li>• Individualization of the objects is possible with composite stains</li> <li>• Fluorescence of the printed objects resembles that of the natural tooth</li> <li>• Antagonist-friendly material with mechanical buffering effect, ideal for implant-supported crowns</li> </ul>	<ul style="list-style-type: none"> <li>• Permanent single crowns, inlays, onlays and veneers</li> <li>• Excellent aesthetics thanks to a balanced ratio of opacity and translucency</li> <li>• Easy to grind and polish by using standard tools</li> </ul>

\* This symbol is a commercial designation/registered trademark of a company which is not part of the BEGO company group.

01

### Data creation

You create the CAD design yourself or send your models for scanning & digital modelation to the BEGO Scan and Design Center.

02

### Data transfer

BEGO scanner users send the data through the BEGO system by pressing the button "Send". For open STL-files, you have the option to upload it on our order portal, send it online via File Generator or connect your CAD/CAM system directly to our production center.

08

### Free warranty

Due to permanent process optimization, we offer you – depending on the type of restoration – up to a lifetime guarantee.

07

### Rapid turnaround times

You will receive your restorations in many regions and in parts of the EU within 48 hours (by data transmission).

06

### The finished framework

The fabricated frameworks impress with their reliable, precise fit as well as their optimum surface and material structures.

05

### Continuous control

We use highly developed technology to keep an eye on your order continuously.

03

### Design check

After receiving the data, our experienced technicians check every design thoroughly and, if necessary, contact you immediately.

04

### Production

In our high-tech production center we fabricate according to your specified material and process for a wide variety of treatment options.

## From scanning to the final product

### Everything from a single source

BEGO supplies you with customized solutions, innovative procedures and high-grade materials, which you can rely on totally for all indications.

### Professional consultation and training

We help you make optimum use of CAD/CAM technologies for your laboratory. Experienced BEGO technical consultants hold in-depth workshops, seminars and tutorials to show you the multitude of application possibilities in exocad\* and 3Shape\* – right down to a deep introduction to the subject matter.

### High performance hardware and software

The exocad and 3Shape scan systems from BEGO offer an optimal, integrated solution, tailored to your laboratory for the fabrication of individual restorations.

### Uniquely wide range of materials

BEGO offers you an extensive CAD/CAM assortment for a maximum range of indications in digital manufacturing processes. Certificates confirm their biocompatibility.

### Comprehensive competence in ceramics

Ceramic restorations in zirconium dioxide from BEGO fulfill the highest demands in terms of quality, economy and unique aesthetics.

### Maximum range of indications

BEGO offers you a wide range of indications including crowns and bridges, double crowns, orthodontic appliances, milled splints, partial denture frameworks and CAD/CAM implant prosthetics.

\* This symbol is a commercial designation/registered trademark of a company which is not part of the BEGO company group.



[www.bego.com](http://www.bego.com)

**BEGO Medical GmbH**

Wilhelm-Herbst-Str. 1 · 28359 Bremen, Germany  
Tel. +49 421 2028-200 · Fax +49 421 2028-174  
E-Mail [cadcam@bego.com](mailto:cadcam@bego.com) · [www.bego.com](http://www.bego.com)

Always want to have a look at all BEGO news?  
Sign up for our newsletter here: [www.bego.com/newsletter](http://www.bego.com/newsletter)



Not all products and services shown are available in all countries.