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**Your partner in dental technology and practice laboratories**

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**Product catalogue**

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**2021**

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# Product Catalogue 2021



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# We are here for you

Our team members work together closely.  
So that you always get the best possible result.



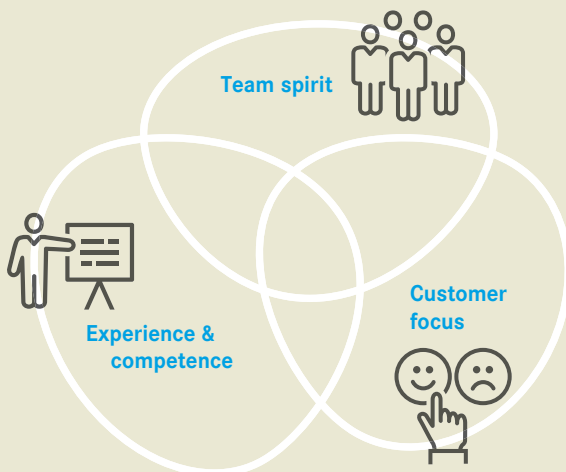
We  
manufacture  
our products  
exclusively  
in Germany



**We manufacture highly aesthetic and well-tolerated dental prosthetics for you. We are continuing to improve both digitally and in our production of dental prosthetics. This is how you get fast and optimal solutions – for every conceivable dental situation.**



**i-ProDens – state-of-the-art dental technology is our passion.** A dream really did come true for our two managing directors, Stefanos Hormann (left) and Yohannes Woldegergis (right), in 2019: as long-term employees, they acquired the **former cara® production centre** and founded i-ProDens. With their well-practiced, extremely dedicated team, they have since led dental technology into the **digital future**.



## What sets us apart:

### 1. Experience & competence

We want to help dental technicians and dentists make their **daily work easier**. This goal has been driving us since 2008. That is why we consistently manufacture our products using **CAD/CAM processes** and also develop our own software solutions. This results in **lean, fast processes**. With high-quality materials, we manufacture **perfectly fitting dental prosthetics** – in the shortest possible time and with exceptional quality.

### 2. Team spirit

Our team is the heart of i-ProDens. Every team member has **valuable skills** that they use in their day-to-day work. We therefore carry out our work in close cooperation with each other and share out tasks based on team members' areas of specialism. We also benefit from **individual specialisations**. In particular, our trained dental technicians understand our **customers' needs exactly**. Together with the technical and commercial know-how of our colleagues, we are always working to develop **optimal, customer-oriented solutions**.

### 3. Customer focus

Your order will receive our full attention right from the start: We clarify any questions with you directly and then carry out our work with the utmost care. No matter how complicated your design may be – **we always find the best solution**. And if you don't want to do the design yourself, simply use our design service. **We are your partner** on your journey from being a company that is about artistry and technical aspects to a company that is both modern and digital.

# We are always evolving

This ensures that you always have perfect dental prostheses and get the best service.

Company Establishment of the company Biomain® by Jerry Wiener and Fredrik Jonsson Establishment of the company BIO MEDI FACE® by Dr Giorgio Pedretti and Marco Spiga

2002

2005

2006

2007

Indications  
Materials

Implant Bridge in titanium with straight screw channels

Implant Bridge in titanium with angled screw channels

Patent application for angled screw channels for implant prosthesis



Mitsui Chemicals® acquires the dental division Heraeus Kulzer® by Heraeus® Holding

For the first time, the cara® production centre is No. 1 for milling services in Germany

Heraeus Kulzer® is renamed Kulzer® GmbH

2013

2014

2015

2016

2017

Implant Bridge in cobalt-chrome SLM with straight and angled screw channels

Implant Bar in titanium and cobalt-chrome milled with straight and angled screw channels

Abutment in titanium with angled screw channel

Crowns & bridges in zirconium dioxide multilayer

Crowns & bridges in zirconium dioxide translucent in various colours

Abutment milled in cobalt-chrome with straight and angled screw channel



Heraeus Kulzer® establishes the cara® production centre for digitally designed prosthetics

2008

**Implant Bridge** in zirconium dioxide with angled screw channels

**Crowns & bridges** up to four units in zirconium dioxide white



2009

**Implant Bridge** milled in cobalt chrome with straight and angled screw channels

**Crowns & bridges** milled in cobalt-chrome and in other zirconium dioxide colours



2010

Patent granted for angled screw channels for implant prosthesis

**Abutment one-piece** in zirconium dioxide with angled screw channel



Heraeus® acquires BIO MEDI FACE® with expertise in the field of milled implant prosthesis made of titanium and cobalt-chrome.

2011

**Abutment one-piece** in titanium with straight screw channel, **Abutment on a titanium bonding base**



**Crowns & bridges** in cobalt-chrome SLM

2012

Heraeus® acquires Biomain® with expertise in the field of implant prosthetics with angled screw channels

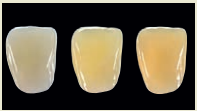
i-ProDens Establishment of the company

i-ProDens acquires cara® manufacturing centre from Kulzer® GmbH

1 January 2020 i-ProDens starts production

2018

**Crowns & bridges** in zirconium dioxide HT and HTE in 9 colours each



2019

2020

**Implant Bridge X** in titanium, milled cobalt-chrome and cobalt-chrome SLM

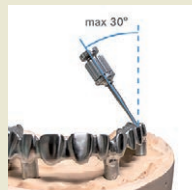
**Removable partial denture frame** in cobalt-chrome SLM

**Splint** in PMMA

Accessories: cara® Scanbodies

**Crowns & bridges** in zirconium dioxide multilayer in 24 colours

**RPD frame** in cobalt-chrome SLM machine-polished



2021

**Implant Bar X** milled in titanium and cobalt-chrome

Accessories: Titanium bonding bases, analogues

**Implant Bridge X** with original Straumann® screws  
**Abutment** with original Straumann® screws

**Abutment X** milled in cobalt-chrome

**Secondary telescope** in cobalt-chrome SLM

Start of the Online-Shop



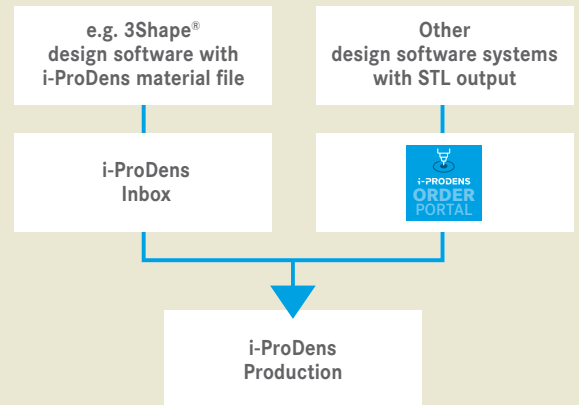
# We are happy to fulfil your every need

Whatever you want to have made – we make it possible.



## Production order with file

Do you scan and design your frameworks yourself? Then simply send your order from your CAD system (currently possible for 3Shape®, additional systems will follow) directly to us. Or upload your STL file to our Order Portal. We'll start with the manufacturing immediately.



## Design service

Would you rather leave the design to i-ProDens? We will be happy to handle this for you. We arrange for the model and working documents to be picked up. Afterwards, we will take care of the design. As soon as we have your design approval we will start production.



## Copy-by-scan service

Would you like your screw-retained implant prosthetics made as a copy of your wax-up? Use our copy-by-scan (Copy CAD) service. We arrange for the model and wax-up to be picked up. Then we will start with copy-by-scan and production straight away.



## Express production service – 24 hours

Is your practitioner in a rush? Order by 12 noon and we will ship the same day. You can choose the service for: Crowns and bridges CoCr milled up to four units, Abutments CoCr milled and titanium as well as PMMA splints.





## Order Portal – the digital home for your orders

Track your orders easily. Our Order Portal displays all the details about your orders for you, such as:

- Order status (e.g. “in production” or “shipped”)
- Uploaded design files
- Your stored contact details
- Invoices.

In the Order Portal you can see all of your orders – regardless of which method you used to place your order with us: via the 3Shape® design software, the i-ProDens Online-Shop, directly in the Order Portal, by phone or by email.



## Online-Shop – Order accessories easily

You can make a purchase at any time of the day or night via our shop. You can display the appropriate accessories for your implant prosthetics sorted by:

- Implant system
- Picture of the implant connection
- Category
- Search function



## i-ProDens News – find out what’s new by email

Would you like to always be kept informed?

Then subscribe to our newsletter!

Simply write us an e-mail at [service@i-prodens.com](mailto:service@i-prodens.com).

**We are market leaders and deliver first-class, high-quality products to support your work.**



## Simply perfect: our implant prosthetics with the **X**



In dental technology and dentistry, implantology and aesthetic dentistry are firmly intertwined. Just like our Implant Bridge X, Implant Bar X and Abutment X with the implant systems of your choice.

The X implant prosthetics form a tension-free bridge between the two areas – with individual abutments and superstructures as the foundation.

**An ideal starting point for aesthetically high-quality dental prostheses!**

# The X success story

**Our products with the “X” are precision-made implant prosthesis – perfect fit and highly aesthetic.**

The X success story began with our original: the Implant Bridge. When it was introduced in 2006, it was the very first implant-supported superstructure with an angled screw channel. The Implant Bar X and the Abutment X are now also available.

**Perfection knows no limits!**

And, even now, our X implant superstructures are unique! They feature **patented and individually calculated screw channels**. To ensure that they always fit perfectly. The screw channel and the screw exit are also significantly reduced in diameter (2.4 mm) if the design meets the minimum height.

**Another highlight:**

**For the screws of all X implant prosthesis – Implant Bridge X, Abutment X, Implant Bar X as well as Implant Bridge and Abutment on a titanium bonding base (Dynamic TiBase®) – a single screwdriver is sufficient for all implant systems**, for both straight and angled screw channels. It is available in three lengths, to enable precise work.



Or do you use the Implant Bridge X with Straumann® screw seat? Then of course you will receive the original Straumann® screws. These screws must be used in conjunction with the original Straumann® angled screwdriver, available in our Online-Shop.

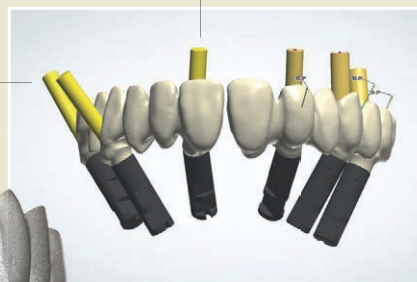


We are already manufacturing for most of the implant systems established on the market. Our platform overviews in the Downloads section of our website will give you an insight into our current product range. And if you cannot find a system, please contact us:

**Individual solutions are our strength!**

In short: Implant Bridge X, Implant Bar X und Abutment X have proven to be unique, precision-made implant prosthetics – with a perfect fit and a high level of aesthetics, achieved in particular thanks to the **angulation option of up to 30°**. Find out for yourself!

Comparison of straight and angled screw channels





# Implant Bridge X/Implant Bridge

Choose the original – more beautiful aesthetics, more flexibility, even more efficient!

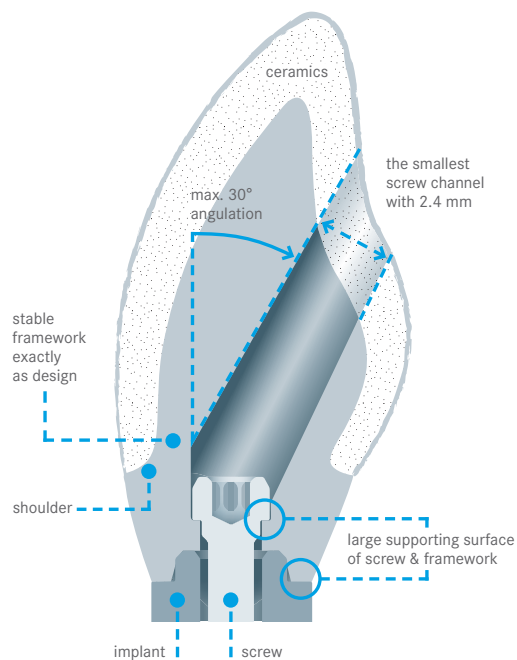
The Implant Bridge X is our perfectly executed screwed, angled implant bridge.



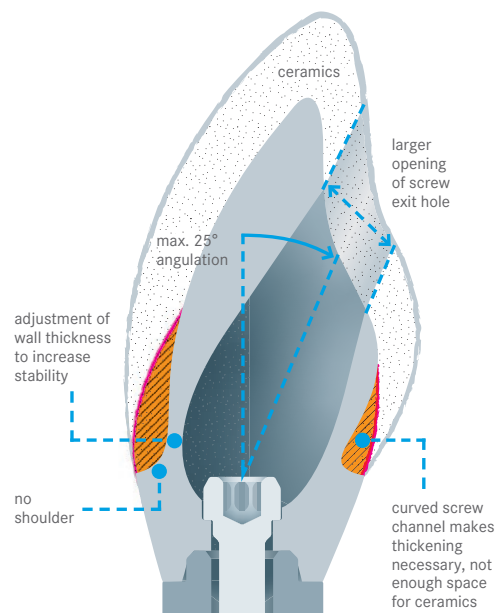
Our Implant Bridge X is unique because it is

- Compatible with all leading implant systems
- Improved surface appearance and finish
- **Smallest screw exit opening** on the market, at 2.4 mm
- **Angulation of up to 30°** possible
- Only **one screwdriver** for **straight and angled screw channels** in conjunction with dynamic screws (screw head with hexalobular connection)
- For the **Implant Bridge X with Straumann® screw seat** you receive the **original Straumann® screws**.

## Implant Bridge X – The Original



## Implant bridge from the competitor



All screw-retained implant bridges and bars are available with **both straight and angled screw channels**. You only need to alter the screw channels that are aesthetically affected. **Flexibility is very important to us.**

### Implant Bridge X – detailed and exactly according to your design

The patented screw channel, which is individually calculated for each case, the significant ability to angle it, the detailed design and the small screw exit opening ensure a highly aesthetic fitting with our “X” variant. Implant Bridge X is delivered with screws from Dynamic Abutment Solutions. Angled or straight, you get the same screws.

For the Dynamic screws with the same hexalobular connection, you can choose the Dynamic screwdriver in three different lengths (18, 24, 32 mm).

### Implant Bridge X with original Straumann® screws

Do you prefer the patented screw channel of the Implant Bridge X, but would like to use the original Straumann® screws? That is also possible when you order from us. Remember to use the Straumann® screwdriver as it has a different head to the Dynamic screw.

**We can manufacture the Implant Bridge X for all common implant systems – an excellent option that allows you to find prosthetic solutions for every patient’s situation.**



### Implant Bridge X New Connection – for implant systems that are not listed in the platform overview

Implant Bridge X New Connection is an implant bridge with at least one implant connection that is not listed in our platform overview.

Please use the “New Connection Order Form” for this. Simply write us an e-mail at [service@i-prodens.com](mailto:service@i-prodens.com).

**Also:** The classic Implant Bridge – without the “X” – is still available. And we have all the spare parts ready for you, of course.



### Available in these materials:

CoCr  
SLM

CoCr  
milled

Ti

ZrST

Zirconia ST is only available for limited implant systems.





# Abutment X/Abutment

## Much more than standard!

**Our highly aesthetic, individual abutments offer the highest quality, accuracy of fit and precision – through CAD/CAM production according to your specifications.**

**Patients love this too.**

### **Two-piece and one-piece abutments: Double the choice**

You can choose the right abutment depending on the indication and aesthetic situation. For this, you can choose between the two-piece abutments made of zirconium dioxide on a titanium bonding base (details on pages 16 and 17) and the one-piece abutments made of titanium, cobalt-chrome and zirconium oxide ST.



### **This is what makes the new Abutment X so extraordinary:**

- Angulation of the screw channels up to 30° – even for **Camlog®**, **Conelog®**, **Astra Tech Implant System®**
- Compatible with the Dynamic screwdriver, which can be used for all X implant prosthesis types equally
- Perfectly manufactured contour for your ceramic veneering – through newly developed holder-less manufacturing methods



### **Abutment titanium: Anything but standard**

The titanium in the one-piece abutments is impressive with its attractive price-performance ratio and many other advantages compared to standard abutments. In this way, a gap-free, stable implant abutment can be achieved without adhesions. The natural design of the emergence profile and the individual relocation of the cement border to the gingival level make the abutments both aesthetically pleasing and comfortable. In addition, they are particularly biocompatible and identical to the titanium implants.



### **Available in these materials:**

CoCr  
milled

Ti

ZrST

Zirconia ST is only available for limited implant systems.

# Implant Bar X/Implant Bar

## A good fit is a question of positioning

**Our reliable primary structure offers an optimal basis for partially removable dentures.**

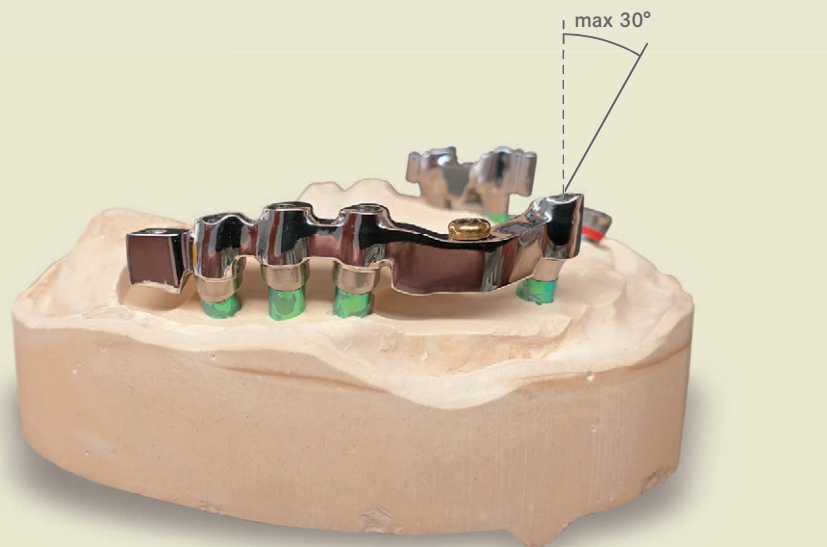
For a tension-free fit, the Implant Bar X/Implant Bar is made from a material block made of cobalt-chrome or titanium. The screw channels can be angled by up to 20° and, with the Implant Bar X, even up to 30°. This ensures stable bar walls, especially in complicated patient cases.

**Another advantage:** The dental prostheses can be designed individually and optimally adapted to the natural course of the gingivae. Simply use the standardised or the individually designed bar and adapt it to the patient's case.



### Highlights:

- **Individual manufacturing** – without limits – according to your design
- **Suitable for many indications and common implant systems** – as the Implant Bridge
- Integrable with different attachment types
- **No limitations** on the number of implants per jaw
- **The CAD design stays with you.**
- **Even greater individuality** with the Implant Bar X: **Angulation** of the screw channel by up to **30°**; only one screwdriver for straight and angled screw channels



Available in these materials:

CoCr  
milled

Ti

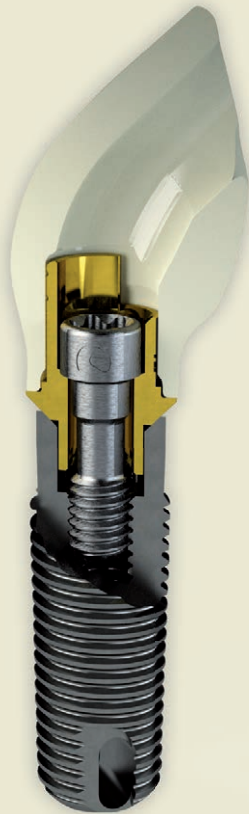


## i-Products on titanium bonding base Implant Bridge and Abutment ensure an optimal fit

**Perfect fit: Implant Bridge and Abutment on a titanium bonding base can be flexibly adapted!**

### **Implant Bridge and Abutment on a titanium bonding base**

We also manufacture the two implant prosthesis on a titanium bonding base. You can also get them with both straight and angled screw channels and in many different materials.



**Two-piece Implant Bridges and Abutments made of a titanium bonding base and zirconia: just relax and experience the colours**

The two-piece Implant Bridges and Abutments made of a titanium bonding base and zirconia abutment ensure a tension-free fit using the same type of screws – even with large designs.

The tooth-coloured, slightly translucent zirconia gives the dental prosthesis optimal light dynamics and, thanks to its high level of biocompatibility, ensures rapid gingival apposition. With our various zirconia materials, the abutments are available in all 16 VITA® colours.

This means you can find the right shade for every tooth colour.



It doesn't get any easier than this – You can order the titanium bonding bases (Dynamic TiBases® from Dynamic Abutment® Solutions) at the same time as your manufacturing product: via **3Shape®** as “additional order information”, via the **i-ProDens Order Portal** in the comment field or separately via our **Online-Shop**.



The Dynamic screwdriver also fits the Implant Bridge X, Implant Bar X and Abutment X

### Highlights of the Implant Bridge and Abutment on a titanium bonding base:

- With Dynamic TiBase® we achieve a **higher prosthetic flexibility** compared to standard bonding bases. Dynamic TiBase® allows a significantly larger angle.
- **One screwdriver for Implant Bridge and Abutment on Dynamic TiBase® with Dynamic screw and for all X implant prosthesis types**, such as the Implant Bridge X, Implant Bar X and Abutment X.
- **Everything from a single source:** When you buy from us you will receive accessories that are perfectly tailored to our manufacturing products.
- Implant Bridge/Abutment on a titanium bonding base will impress you with its **perfect fit**.
- **All 16 VITA® colours** can be achieved with the materials i-PD Zirconia HT and i-PD Zirconia ML.
- **For monolithic implant crowns** i-PD Zirconia ML is the material of choice and i-PD Zirconia HT is the material of choice for veneers.



Available in these materials:





# Everything from a single source

Optimal accessories – perfectly tailored to our implant prosthetics



## Titanium bonding bases

**Dynamic TiBase® – for screw channels angled up to 45°**

Dynamic Abutment Solutions is considered to be the pioneer of angled screw channels on titanium bonding bases. An unfavourable implant position is easily compensated for with this system solution and an aesthetically optimal result can be achieved.

### Highlights:

- Screw access from 0° to 45°
- Suitable for implant prosthesis made of zirconia, metal, PMMA
- Compatible with all common implant systems
- Perfect adaptation of the prosthetic connection with the implant
- One screwdriver for all implant systems
- The grade 5 titanium bonding bases are gold anodised to improve the work aesthetics

**You will receive a screw with every TiBase® that you order. Choose between a**

- Dynamic screw or a
  - Straight screw\*.
- If you don't make a selection, you will automatically receive a Dynamic screw with your TiBase®.



\* **Note:** Angulation is not possible with Straight screws. The comfortable angle is only achieved with the Dynamic screws.

**Material: Titanium**



## Scanbodies

**Maximum precision begins with the ideal Scanbody.**

Every detail is crucial on the path to a perfect result. Scanbodies help you with the design of the implant prosthetics and help to accurately transfer the implant position during scanning.

### Highlights:

- Fast 1-point matches
- Flexible – can be referenced in every screw position
- Large selection for all common implant systems
- Reliable and precise thanks to high-quality PEEK plastic with stainless steel connection geometry and a low tolerance of only 2-3 µm
- Compatible with the current library of i-ProDens material files for 3Shape® – now also for nt-trading DIM-Analogue® (Digital Implant Model Analogues)

The Scanbodies are suitable for both extraoral and intraoral use and can be sterilised for immediate use.

**Material: PEEK and stainless steel**



**NT** digital  
implant  
technology



## Analogues

### Analogues from nt-trading – for the production of implant models in the analogue and digital workflow

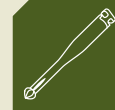
You can choose from the high-precision analogues by nt-trading – regardless of how your implant models are manufactured. For printed models in the digital process, DIM-Analogue® (Digital Implant Model Analogues) are just what you need.

#### Highlights:

- Precise positioning
- Position correction possible
- Removable gingival pieces
- Made of stainless steel and titanium

For plaster models, you can use the high-precision standard analogues.

**Material: Stainless steel and titanium**



## Instruments

### Perfectly matched to the range

The high-quality screwdrivers and other accessories are perfectly tailored to our products. The screwdrivers are made of stainless steel and can be used with an angled handpiece or a torque wrench.

For the **Dynamic screws** with the same hexalobular connection, you can choose from three different lengths of **Dynamic screwdriver**:

- 18 mm
- 24 mm
- 32 mm

The **Dynamic screwdrivers** can therefore be used for the **titanium bonding bases with Dynamic screws** as well as for our **screwed implant bridges** and individual abutments (**Implant Bridge X, Implant Bar X and Abutment X**). We can also provide you with the right handle and torque wrench.

For the Implant Bridge X with **original Straumann® screws**, we can provide you with the appropriate accessories – from screwdrivers to ratchets.

**Material: Stainless steel**





## i-PD Crowns and bridges

Choose from a wide range of materials – as individual as each of us.

Each indication places different demands on the material used. Therefore, we offer you the option of choosing from different materials – this creates highly aesthetic, well-tolerated and resilient dental prostheses.

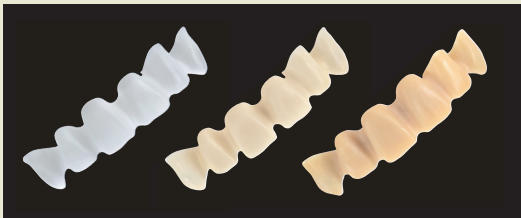
### Zr<sub>HT</sub> Zirconium oxide HT: as natural as dentine

For zirconium oxide HT (highly translucent) we have selected **9 colours** based on the chromatic dentine colours. This means that fewer layers are required for highly aesthetic veneers with a contrasting dentine core. HT is perfectly suitable for veneers **of up to 16 units** – we recommend ML or HTE for monolithic restorations.



### Zr<sub>ST</sub> Zirconium oxide semi-translucent: extremely resilient and well tolerated

High-performance ceramic zirconium oxide is a white to tooth-coloured material and suitable for almost all indications.



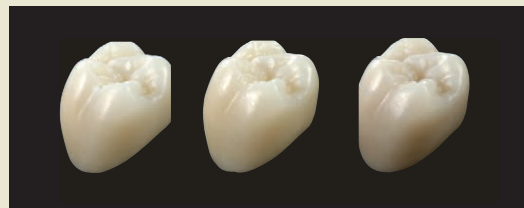
### Zr<sub>HTE</sub> Zirconium oxide HTE: the gloss of high translucency

Zirconium oxide HTE (Highly Translucent Aesthetic) offers **9 colours** with an extra touch of high translucency. It is also the first choice for monolithic restorations **of up to 3 units** with brilliant light effects. In this way, you can achieve excellent results with minimal effort in terms of customisation and finishing.



### Zr<sub>tr</sub> Translucent zirconium oxide: easy to see through

Thanks to the extremely high light transmission and the tooth-coloured shading, translucent zirconium dioxide proves to be an excellent alternative to full-cast crowns of non-precious metal, especially in the posterior area. This makes it an ideal solution for the economical production of monolithic crowns and bridge designs as well as visually appealing frameworks for ceramic veneering.



**LiSi<sub>2</sub>** **Lithium disilicate:  
created for veneering**

Lithium disilicate completes the all-ceramic product range for single tooth restorations of the highest quality. You get LiSi<sub>2</sub> of excellent quality. Our i-PD crowns and bridges are made from tested and proven IPS e.max® CAD blanks manufactured by Ivoclar Vivadent using an advanced grinding technique. With the 3Shape® DentalDesigner™ software you can design inlays and onlays, as well as cutback and fully anatomical crowns, easily and efficiently.



**PMMA** **Polymethyl methacrylate:  
an art in itself**

The tooth-coloured PMMA plastics are excellent materials for laboratory-made temporary restorations. They are easy to design and economical to manufacture. The custom-fit production also makes polymethyl methacrylate a top-class choice for long-term temporary restorations.



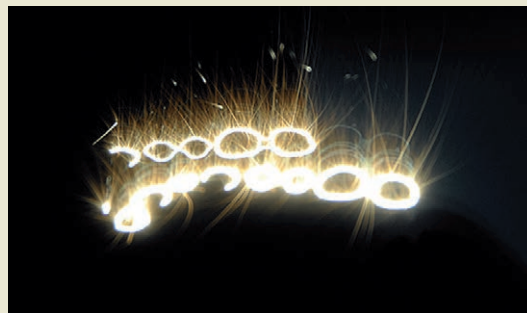
**Cobalt-chrome:  
Double-alloyed is better**



Cobalt-chrome alloys are beryllium-free and cadmium-free ceramic bonding alloys with which you can effortlessly create a smooth, ready-to-veneer framework.

The CoCr frameworks, manufactured using the Selected Laser Melting (SLM) additive manufacturing process, are as homogeneous and precisely fitting as perfectly cast base metal crowns and bridges – the frameworks are available in three different processing stages: Basic, Standard and anatomic+.

The subtractive milling process (milled) for framework structures, telescopes and fully anatomical units is characterised by extremely smooth surfaces.



**You can find more information about our materials and the indications for which they are suitable on pages 30 to 33.**



## i-PD Crowns and bridges

A zirconia for all situations: i-PD Zirconia Multilayer



**Our frameworks in i-PD Zirconia Multilayer are available in 8 colour variants and therefore achieve up to 24 colours for highly aesthetic, natural-looking results.**

### **Easy, quick, natural**

Our i-PD crowns and bridges consistently show harmonious colour gradients. The high-performance ceramic which is used, zirconium dioxide, is a white to tooth-coloured material and is suitable for almost all indications. Due to the flowing colour gradients, it looks as natural as your own teeth.

### **A zirconia for all situations:**

- Individually veneered crowns and bridges with up to 16 units
- Monolithic crowns and bridges
- Inlays, onlays, veneers
- Two-piece abutments
- For anterior and posterior teeth

## i-PD Zirconia Multilayer: brilliant results with 24 shades

Colour designation	Position	VITA classical®
A light	up	A1
	middle	A2
	down	A3
A dark	up	A3,5
	middle	Intermediate shade
	down	A4
B light	up	B1
	middle	Intermediate shade
	down	B2
B dark	up	B3
	middle	Intermediate shade
	down	B4

Colour designation	Position	VITA classical®
C light	up	C1
	middle	Intermediate shade
	down	C2
C dark	up	C3
	middle	Intermediate shade
	down	C4
D light	up	D2
	middle	D3
	down	D4
Bleach	up	
	middle	
	down	



### Highlights:

- **Economical and quick** thanks to monolithic restorations
- **Highly aesthetic results** by perfect colour implementation of **24 colours**: 16 Vita® shades, 5 intermediate shades and 3 bleach shades
- **Harmonious colour gradient** by flowing transitions
- **Individual** for each patient



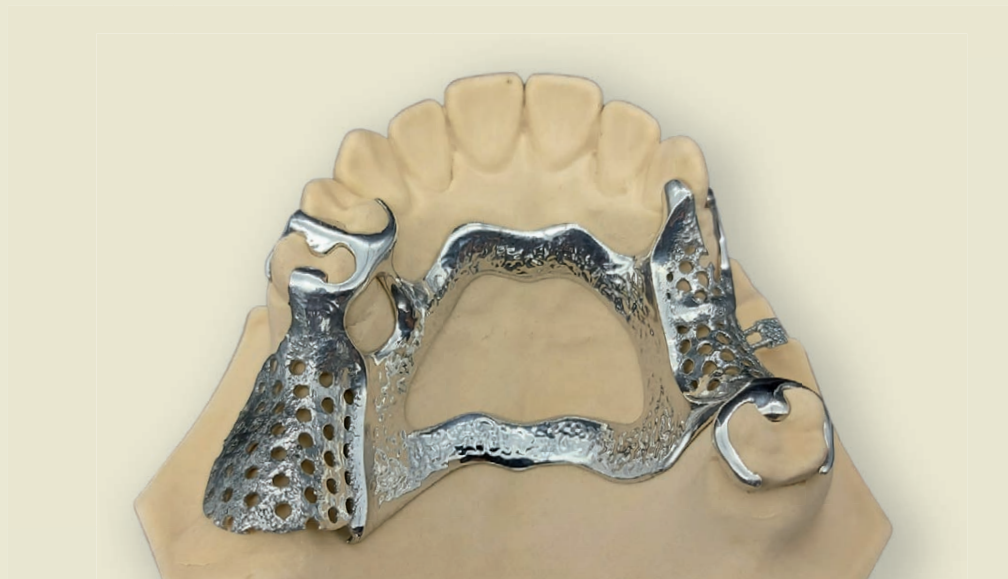


# Removable partial denture frame CoCr SLM

Proven quality for your aesthetic artistry

**By using CoCr SLM we can reproduce every detail of your design. This saves you time and money – and you get a perfect reconstruction.**

Digitally manufactured RPD Frame saves a lot of time and offers an extraordinarily large variety of framework options. We can reproduce the easy-to-use frameworks of proven quality at any time – because we are your experts for the special annealing process of RPD frames.



**RPD Frame CoCr SLM**  
Digitally manufactured RPD Frame – exactly as you need it.





**Having RPD Frames produced with CAD/CAM support saves a lot of time and money:**

You scan and design the model and we manufacture it for you using a selective laser melting process. Complex steps such as model preparation, duplicating model, investing and casting are no longer necessary – a real relief for you.

After a few days you will receive your RPD Frame, adjust it and finalise it. This saves you time and money on ovens, investment materials, casting equipment and energy. The orders can also be reproduced at any time.

**RPD Frame, available in 3 processing variants:**



**Highlights:**

- **Saves time and money**
- **User-friendly** processing
- **Homogenous** with no porosities
- **Digital, precise and reproducible**
- **Finely polishable surfaces**
- **Flexible** and still **extremely strong structures**

**Seamless integration of analogue and digital processes:**

High-quality, removable partial dentures need perfectly fitting and comfortable frameworks – which dental technicians can easily continue to process and provide patients with long-lasting comfort. To do this, we use a special annealing process that enables flexible clasps and stable frameworks.

**You will see: Our frameworks fit perfectly into your workflow**

Basically nothing changes – only the easy-to-learn framework design. We will then handle the production of your work with the usual reliable quality.

**Available in this material:**



RPD frame



# Telescopic prosthetics with CoCr SLM

More than an alternative to the milled solution

Perfect quality and high wear comfort – our CAD/CAM-manufactured telescopic prostheses make your work easier and save valuable time.

**You can get our telescopic prostheses in any design you wish – additive manufacturing knows no bounds.**

Thanks to our CAD/CAM-supported production in the CoCr-SLM process, the frameworks are easily reproducible and completely tension-free.

**Another advantage:** Our production centre not only saves you valuable time in the laboratory, but saves on costs as well.



We create primary and secondary parts for you within a very short time. The entire production process can be completed within five working days.

**Clear processes, fast production. We manufacture your products quickly and reliably – with consistently high quality.**

**Highlights:**

- **High freedom of design**
- **Stress-free to the perfect result** – because there are no fluctuating manufacturing tolerances
- **You are in control**

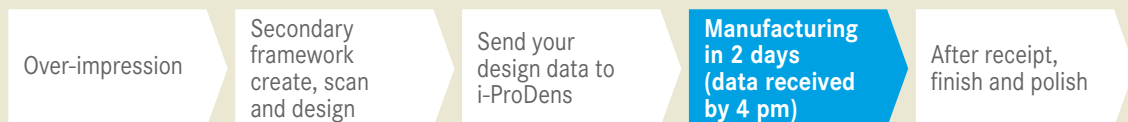
**Process for primary parts**



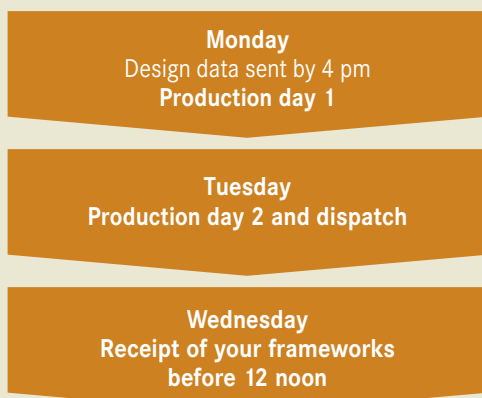
**i-ProDens Production**

**The entire process in the optimal scenario is completed within 5 working days.**

**Process for secondary structures**



**Example: Production time for telescopic prosthesis**



**We make it easier for you to get started:**

In our **inexpensive and enjoyable online trainings** we will show you all the tips and tricks. After attending these trainings, you can easily achieve **optimal results**. If you already have experience with digitally manufactured abutments, **please consult our experts by calling the helpline.**

**Available in this material:**







## **i-PD Splint**

**Optimal for achieving lasting solutions in the mouth**

**Safe, inexpensive and durable – our i-PD Splints are made using a proven milling process.**

Our digitally manufactured i-PD Splints save you considerable time and money because, after production, you only need to polish it to a high gloss. Your patients will notice the difference too: our i-PD Splints fit perfectly and are highly resilient intraorally.



**i-PD Splints  
Robust and elastic – our i-PD Splints  
provide high and long-lasting comfort.**

## i-PD Splints: our combination of the ideal materials and the optimal manufacturing process

**Everything at a glance:** You can see the properties and effects of various splints that are available on the market here.

i-PD Splint	Printed splint	Milled splint made of standard PMMA
<b>Chewing forces are easily absorbed</b> – due to the elastic material	<b>Chewing forces are absorbed less effectively</b> – due to the stiff material	<b>Chewing forces are absorbed less effectively</b> – due to the stiff material
<b>Fewer cracks and breaks</b> – thanks to fracture-resistant and impact-resistant material	<b>More frequent cracks and breaks</b> – due to brittle material	<b>More frequent cracks and breaks</b> – due to brittle material
<b>High accuracy of fit</b> – due to very low water absorption	There is still no long-term experience with the printing process	<b>Lower accuracy of fit</b> – due to higher water absorption
<b>No distortion</b> – because the milling blank is completely polymerised	<b>Distortion is more likely</b> – because the material is post-polymerised by light	<b>No distortion</b> – since the milling blank is completely polymerised
<b>Meets the aesthetic demands of patients</b> – thanks to the colourless, transparent material	<b>Does not meet the aesthetic demands of patients</b> – due to the slightly pigmented material	<b>Meets the expectations of the market</b> – thanks to the colourless, transparent, brittle material
<b>Easy to polish to a high gloss</b> – due to the non-porous material	<b>More difficult to polish to a high gloss</b> – due to the residual layer left from process	<b>More difficult to polish to a high gloss</b> – due to the brittle material

### Highlights:

- **Saves time and money**
- Another **step towards digitisation**
- **Easy to design** with your CAD software (can be done without a licence extension)

### Advantages for patients:

- **High wear comfort**
- **Optimal accuracy of fit**
- **High intraoral resilience**
- **High fracture resistance**
- **High colour stability**

Splints

Transparent i-PD Splint



Optimal fit



Available in this material:





# Classic indications

A high quality material for every indication –  
You choose, we do the manufacturing for you!

Indication  i-PD Material	RPD Frame	Tertiary construction	Crown			Bridge fully anatomical/anatomical partially reduced frameworks		
			fully anatomical	reduced partial anatomical	Cap	2-3 units	4-7 units	8-16 units
CoCr SLM	•	•	•	•*	•	•	•	•
CoCr milled			•*	•	•	•	•	•
Titanium								
Zirconia ST			•*	•*	•	•	•	•
Zirconia HT			•*	•	•	•	•	•
Zirconia tr			•*	•	•	•	•	
Zirconia HTE			•	•	•	•		
Zirconia ML			•	•	•	•	•	•
LiSi <sub>2</sub>			•	•	•			
PMMA temp			•	•	•	•	•	•
PMMA splint								

ST = semi-translucent  
 HT = highly translucent  
 tr = translucent  
 HTE = highly translucent aesthetic  
 ML = Multilayer  
 \* approved from a technical standpoint – limited recommendation from an aesthetic point of view  
 \*\* on a titanium bonding base

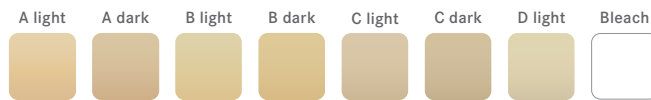
Splints	Inlay Onlay	Veneer	Telescope		Abutment		Implant Superstructure		
			Primary	Secondary	1-Piece	2-Piece**	Bridge	Bar	2-Piece**
			•	•		•	•		•
			•		•	•	•	•	•
					•		•	•	
	•	•*	•		•	•	•		•
	•	•*	•			•			•
	•	•*	•			•			•
	•	•	•			•*			•*
	•	•	•			•			•
	•	•							
•									

**Have you been unable to find the indication you were looking for in combination with the desired material? Please contact to us – we will find a solution for you!**

# Material card

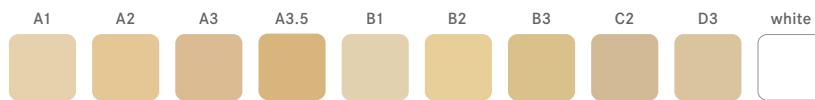
Only the best for your products – our materials meet the highest standards when it comes to quality and aesthetics.

## i-PD Zirconia ML – Zirconium oxide Multilayer high translucent

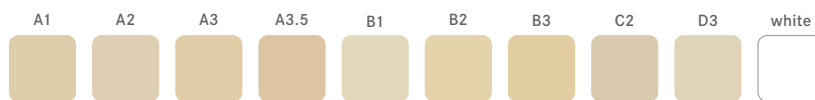


With 8 colour variants and information on positioning in the blank (up, middle, down), 24 colour shades are available.

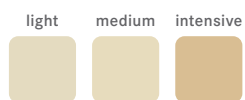
## i-PD Zirconia HT – Zirconium oxide high translucent



## i-PD Zirconia HTE – Zirconium oxide high translucent aesthetic



## i-PD Zirconia tr – Zirconium oxide translucent



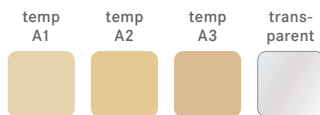
**i-PD Zirconia ST – Zirconium oxide semi translucent**



**i-PD CoCr/Titanium**



**i-PD PMMA**



**i-PD LiSi<sub>2</sub> \***



Available in 16 dentine colour shades and in bleach white with low translucency.

\*LiSi<sub>2</sub> frameworks are made from the proven IPS e.max® CAD blanks by Ivoclar Vivadent.

The colours shown are for illustrative purposes only and do not necessarily reflect the original colours. If required, we can provide you with sample plates.

# Production times

**Our processes are optimised continuously – to ensure that you receive your order as quickly as possible.**

**Important:** For screw-retained implant prosthesis, in cases where we will receive a model from you for custom-fit manufacturing, the number of production days only starts being counted after the model is received. **Also:** We will be happy to organise the collection of your model for you.

Indication	Material	Production time* in working days Data received by 4 pm	Express manufacturing* in working days Data received by 12 noon
Abutment X	Cobalt-chrome milled	3**	
Abutment	Titanium/cobalt-chrome milled	3**	1
	Zirconia	3**	
Abutment on Ti-Base	Cobalt-chrome milled	3	1
	Cobalt-chrome SLM	2	
	Zirconia	3	
Implant Bridge X	Titanium/cobalt-chrome milled	3**	
	Cobalt-chrome SLM	5**	
Implant Bridge	Titanium/cobalt-chrome milled	3**	
	Cobalt-chrome SLM	4**	
	Zirconia	4**	
Implant Bridge X New Connection	All materials	8	
Implant Bridge on Ti-Base	Cobalt-chrome milled	3	1
	Cobalt-chrome SLM	2	
	Zirconia	3	
Implant Bar X/Implant Bar	Titanium/cobalt-chrome milled	5	
Crowns, inlays, onlays, veneers, telescopes	Cobalt-chrome milled	3	1
	Cobalt-chrome SLM	2	
	Zirconia, PMMA, LiSi <sub>2</sub>	3	
Bridges	Cobalt-chrome milled	3	1 (up to max. 4 units)
	Cobalt-chrome SLM	2	
	Zirconia, PMMA	3	
Removable partial denture frame	Cobalt-chrome SLM	3	
Splints	PMMA	2	1

\* The day the order is received counts as the first day of production if the data was received on that day by the deadline.

\*\* With Copy-by-Scan service: plus 1 working day

General information: This overview shows the production times. Weekends are not considered work/production days. Delivery usually takes place within one working day. Delivery times may vary and are always dependent on the geographical location and the delivery service used.



**Express service  
24 hours**  
You order by 12 noon  
and we ship the product  
on the same day.

# Shipping and more

Safe, fast and economical shipping is what we strive for.

## Choose from different shipping methods

The standard shipping method offers you delivery on the following working day.  
Please call us for more information about other shipping options/delivery services.

**We bundle all of your orders into one shipment per day: this saves on costs and is better for the environment!**

## Guaranteed quality

We provide a **5-year warranty** on the following frameworks



- Implant Bridge made of cobalt-chrome, titanium, zirconia
- Implant Bridge X made of cobalt-chrome, titanium
- Abutment X made of cobalt-chrome
- Implant Bar X/Implant Bar made of cobalt-chrome, titanium
- Abutment made of cobalt-chrome, titanium, zirconia
- Crown & bridge frameworks made of cobalt-chrome and zirconia
- Removable partial denture frame made of cobalt-chrome

Please note that the i-ProDens warranties do not apply to fully processed/veneered frameworks, but only to frameworks manufactured by i-ProDens. A warranty can only be granted if all relevant recommendations for the selected material have been observed during the design of the framework, e.g. software setting parameters, minimum wall thickness, design guidelines etc.  
The respective warranty starts with the delivery date.

## How to get in touch with us

**Telephone:**  
+49 6181 676 68 99

**Email:**  
info@i-prodens.com

**Opening hours:**  
Mon - Fri 8 am - 5pm CET

## News and postal address

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Simply write us an e-mail at [service@i-prodens.com](mailto:service@i-prodens.com) to subscribe to our newsletter.

**Postal address:**  
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Quarzstrasse 8  
D-63450 Hanau





We do  
everything  
to make  
*you smile.*



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