

POLYMER HEROES



CLOSE TO YOU



Come up onto the winner's podium ...

... on the way to the medal, the olympic heroes shine through extraordinary skills and top performance. Successes that burn into the collective memory and produce legends. Sports heroes fascinate people because they show what is possible.

With the Polymer Heroes from Dental Direkt, you have a full range of strong and durable high performance polymer CAD-CAM materials for all indications. In the process, our development has trained very hard in terms of overall quality and durability and remains true to its tactics.

This has also led the DD zirconium oxides in production to the winner's podium: We do not make any compromises when it comes to top dental products and rely solely on quality and safety.

The advantages for dental technicians:

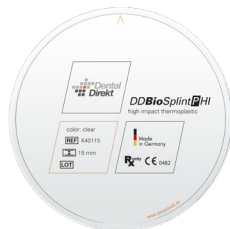
The tested and clinically proven materials are a 100% biocompatible. The material composition supports fast milling strategies and saves time and money. This way we are sending real winners into the race, with guaranteed success – we promise!

So let's give the Polymer Heroes the big stage to become great legends.

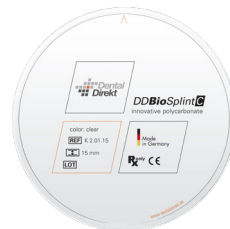


Tested, clinically proven, 100 % biocompatible.

Indication overview Polymer Heroes



DDBioSplint**PHI**



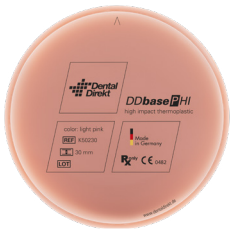
DDBioSplint**C**



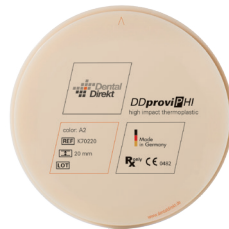
DDBioSplint**FLEX**

INDICATION	for the long-term use in the oral cavity	for the short-term use in the oral cavity	for the short-term use in the oral cavity
Splints	●	●	●
Bite regulators	●	●	●
Temporary crowns			
Temporary bridges			
Implant-supported restorations			
Fixed and removable framework constructions			
Denture bases			

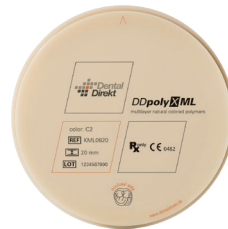
Our portfolio of CAD/CAM polymers covers all indications and fast milling strategies.



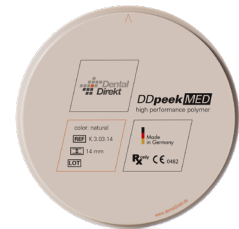
DDbase PHI



DDprovi PHI



DDpoly X ML

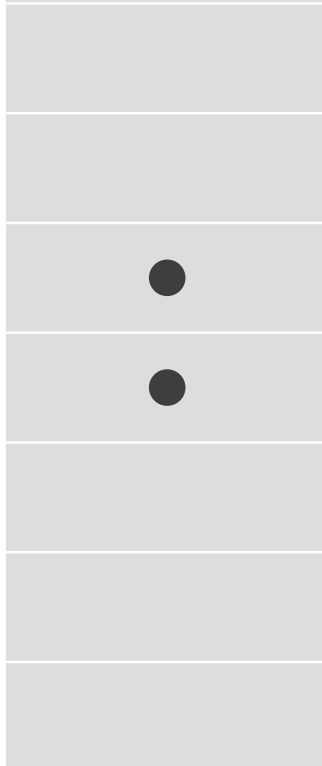


DDpeek MED

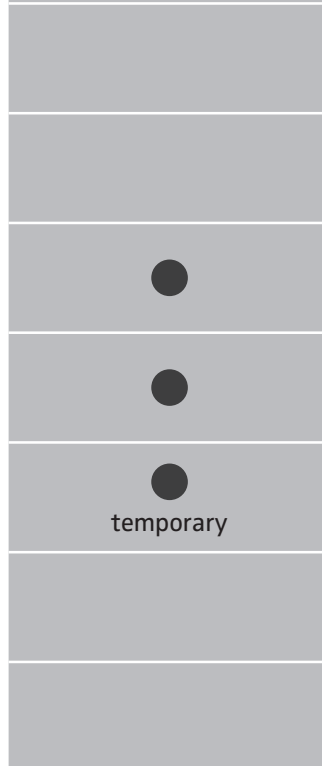
for the long-term use
in the oral cavity



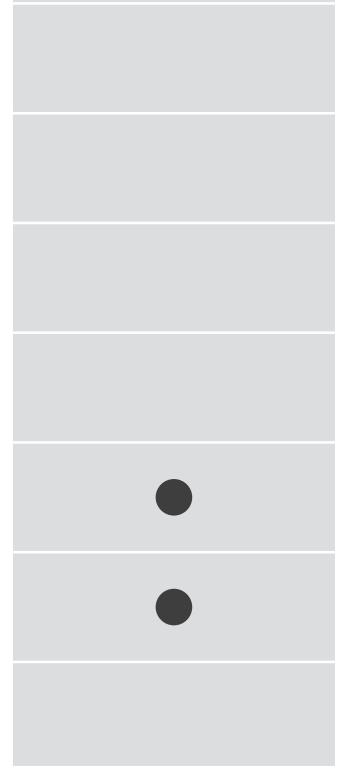
for the long-term use
in the oral cavity



for the long-term use
in the oral cavity*



for the long-term use
in the oral cavity



* the maximum recommended wearing time without a follow-up visit at the dentist is 12 months

Top performance requires perfect training control

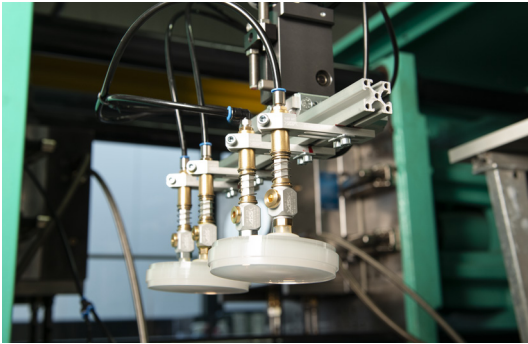


Raw materials

The talent

The industrially fully polymerized raw material forms the basis for the excellent material properties. The homogeneous and dense structure of the blanks ensures easy & fast processing.



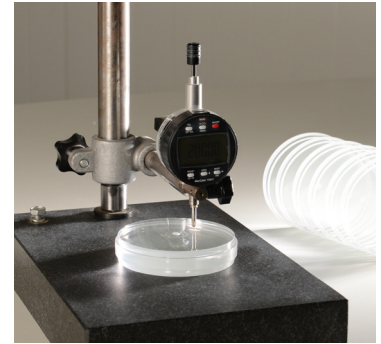
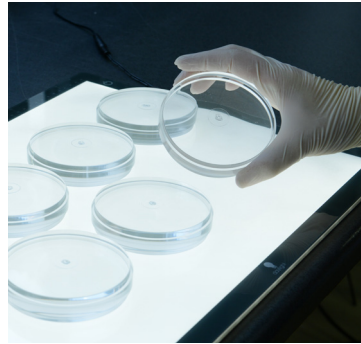


State-of-the-art manufacturing processes

The tactic

As a manufacturer and processor of dental materials, we know how important it is to set individual parameters correctly in the product process in order to turn a talent into a winner.

That is why we rely on a complex thermoplastic injection molding technique. The raw granulate is softened to a homogeneous polymer melt by supplied heat and compacted in the blank form under extreme pressure conditions.



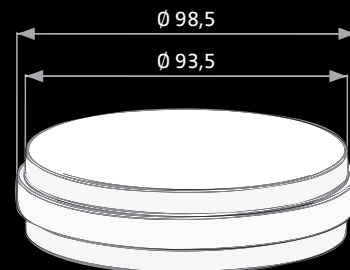
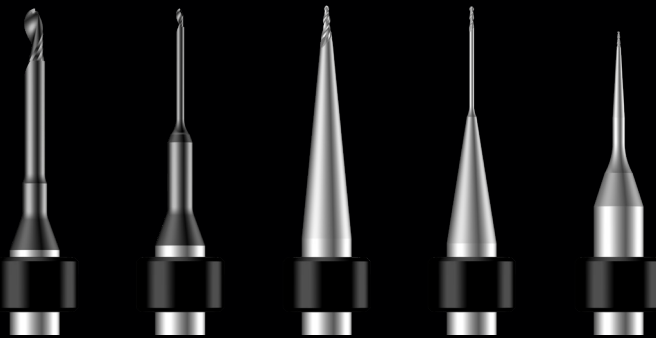
Quality controls

The training

Every single blank that passes through our production is visually inspected for its material quality by transmitted light. In addition, during a day of production, we measure blanks precisely on a regular basis. Blanks that do not pass the quality test are not sold.

Only the best get through ...

Milling on 98.5 mm in world record time



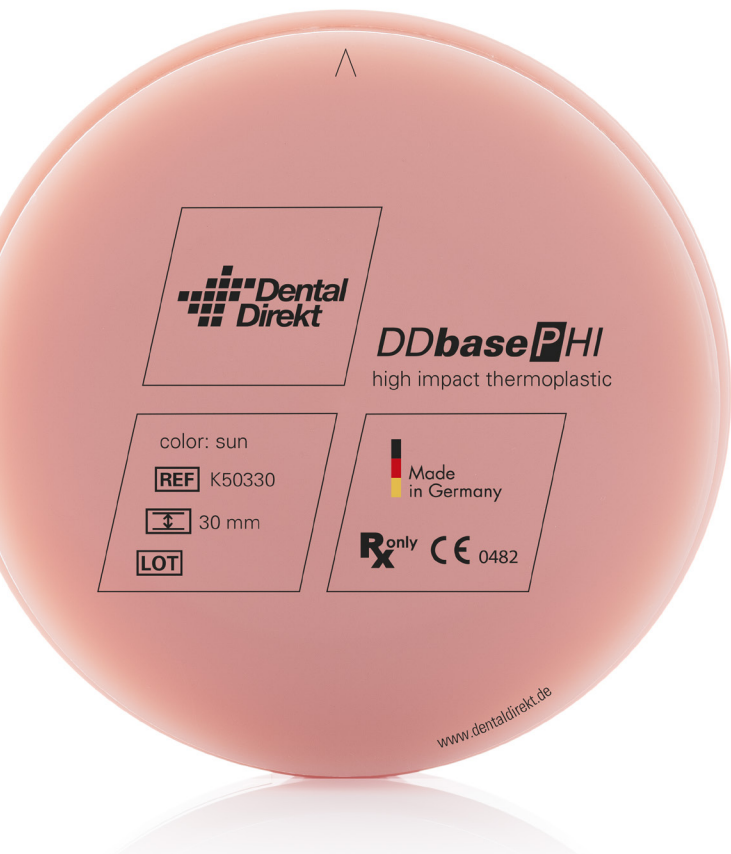
**DISCOVER DENTAL MILLING TOOLS
FROM EXPERTS TO DENTAL TECHNICIANS**

Milling tools from Dental Direkt, compatible with imes-icore®-Machines.



Any cutting edge performance is based on a solid ground.





DDbase^{PHI}

high impact thermoplastic

Your advantages:

- High stability through high impact modification
- Very good polishing properties
- Very good bond to denture teeth and cold-curing polymers (PMMA)
- 4 colors
- Bisphenol A free

Polymethylmethacrylate (PMMA)

DD base P HI are gingiva-colored dental milling blanks made of impact resistant PMMA for the manufacture of denture bases for removable dentures. DD base P HI is for the long-term use in the oral cavity for up to 10 years.

Available:

- Color: light pink, pink, sun and rouge
- Height: 30 mm

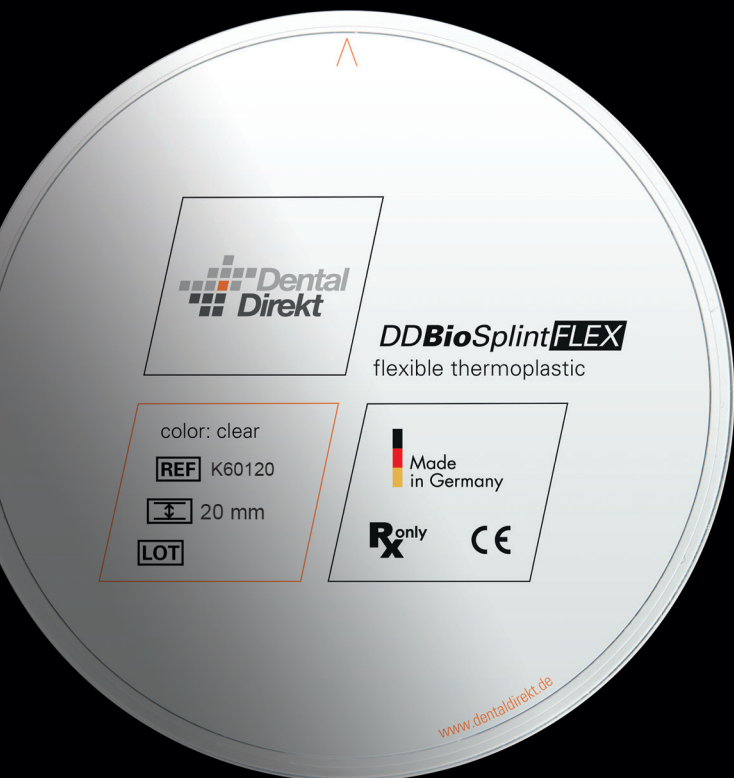


All other product details and technical data can be found on the DD base P HI product page



Consult instructions for use.





DDBioSplint FLEX

flexible thermoplastic

Your advantages:

- High level of flexibility
- Good polishing properties
- Possible to bond to cold-curing polymers (PMMA) with bonder
- Bisphenol A free

Copolyester (PCT-G)

DD Bio Splint FLEX are transparent dental milling blanks made of copolyester, for the manufacture of flexible splints, therapeutic splints and bite regulators, in the oral cavity up to 30 days.

Available:

- Color: clear
- Height: 20 mm



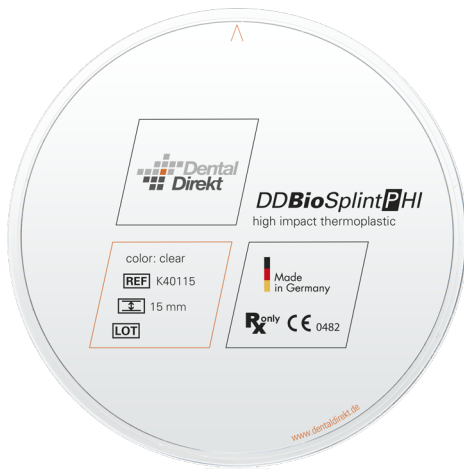
All other product details and technical data can be found on the DD Bio Splint FLEX product page



Consult instructions for use.

DDBioSplint^{PHI}

high impact thermoplastic



DDBioSplint^C

innovative polycarbonate



Your advantages:

- High stability through high impact modification
- Very good polishing properties
- Bonding to cold-curing polymers (PMMA) possible
- Bisphenol A free

Your advantages:

- Slightly flexible
- Very high stability
- Very good polishing properties
- Bonding to cold-curing polymers (PMMA) possible

Polymethyl methacrylate (PMMA)

DD Bio Splint P HI are transparent dental milling blanks out of PMMA for the manufacture of splints, therapeutic splints and bite regulators in the oral cavity up to 12 months.

Available:

- Color: clear
- Height: 15, 20, 25 and 30 mm



All other product details and technical data can be found on the DD Bio Splint P HI product page

Polycarbonate (PC)


DD Bio Splint C are transparent dental milling blanks out of polycarbonate for the manufacture of splints, therapeutic splints and bite regulators in the oral cavity up to 30 days.

Available:

- Color: clear / slightly bluish
- Height: 15 and 20 mm



All other product details and technical data can be found on the DD Bio Splint C product page

 Consult instructions for use.

The basis for ongoing success: continuity!



Fig.: DD provi P HI

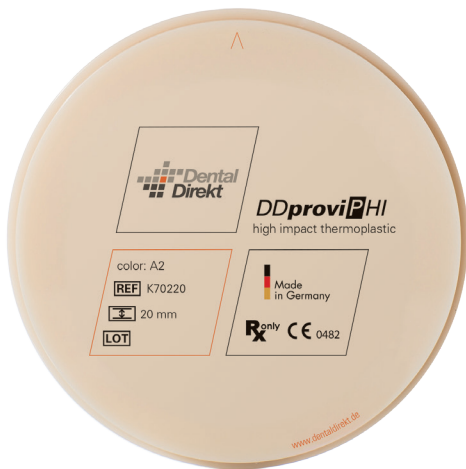


» During product development, special attention was paid to the quick and easy processability of the materials as well as on the quality and patient satisfaction. As a trained dental technician, I know how important this is.«

Tanja Bücken-Thielmeyer,
Product manager

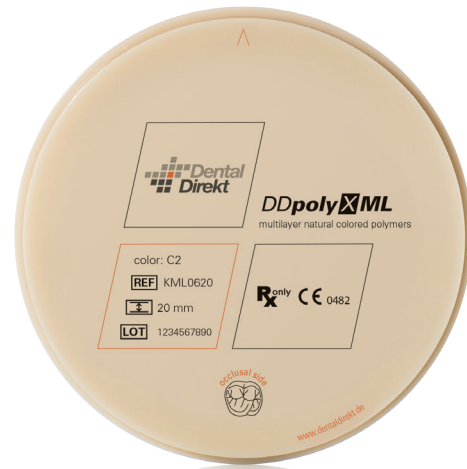
DDproviP^{HI}

high impact thermoplastic



DDpolyX^{ML}

multilayer – natural colored polymers



Your advantages:

- High stability due to High Impact Modification
- Very good polishing properties
- Customisable with composite
- Bonding to cold-curing polymers (PMMA) possible
- Bisphenol A free

Your advantages:

- 5 layers of paint for a natural aesthetic effect
- Very high abrasion and hardness resistance
- Good polishing properties
- Customisable with composite
- Bisphenol A free

Polymethylmethacrylat (PMMA)


DD provi P HI are are monochromatic pre-colored dental milling blanks made of PMMA for the manufacture of temporary crowns and bridges for long-term application in the oral cavity up to 12 months.

Available:

- Color: bleach, A1, A2, A3, A3,5, B2, C2, D3
- Height: 20 mm



All other product details and technical data can be found on the DD provi P HI product page

 Consult instructions for use.

Polymethylmethacrylate (PMMA)

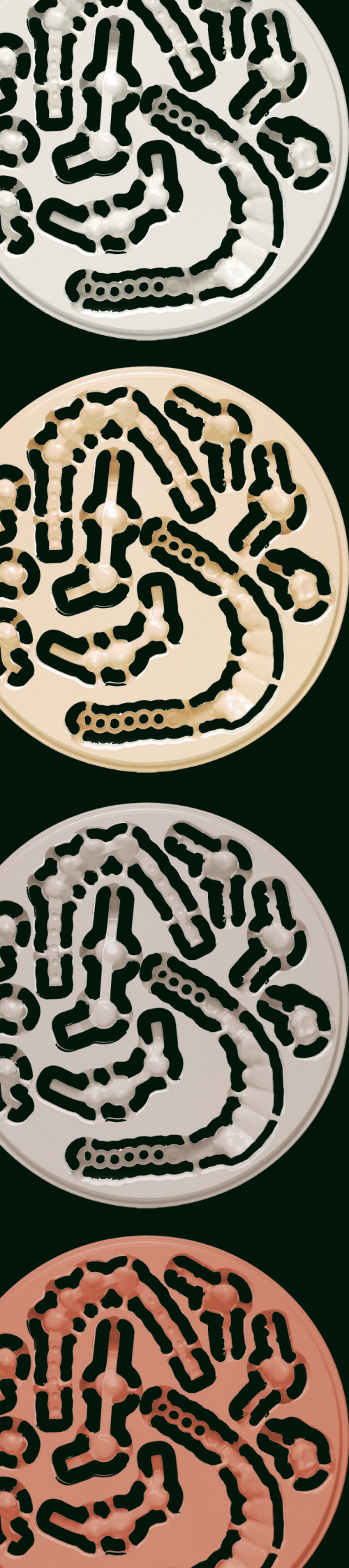
DD polyX ML are tooth-coloured multilayer milling blanks made of PMMA for the manufacture of implant-supported temporary restorations, temporary crowns and bridges with up to two connected pontics in the front and side tooth area. Maximum recommended usage without checkup by dentist is 12 months.

Available:

- Color: 16 VITA® shades + 1 bleach shade
- Height: 16 and 20 mm

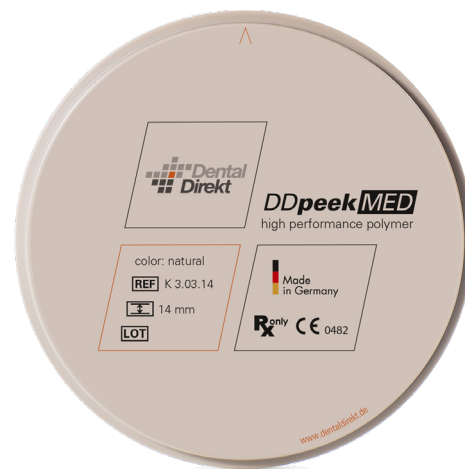


All other product details and technical data can be found on the DD Poly X ML product page



DDpeekMED

the polymer steel



Your advantages:

- Several colours for different applications
- Extremely resilient
- Possible to bond to cold-curing polymers (PMMA) with bonder

Polyetheretherketone (PEEK)

DD peek MED are natural (without color additives) or additionally colored dental milling blanks out of PEEK for the manufacture of fixed or removable dental framework constructions for long-term use.

Available:

- Color:
white, natural, dentine, gingiva
- Height: 12, 14, 16, 18, 20, 23, 30 mm

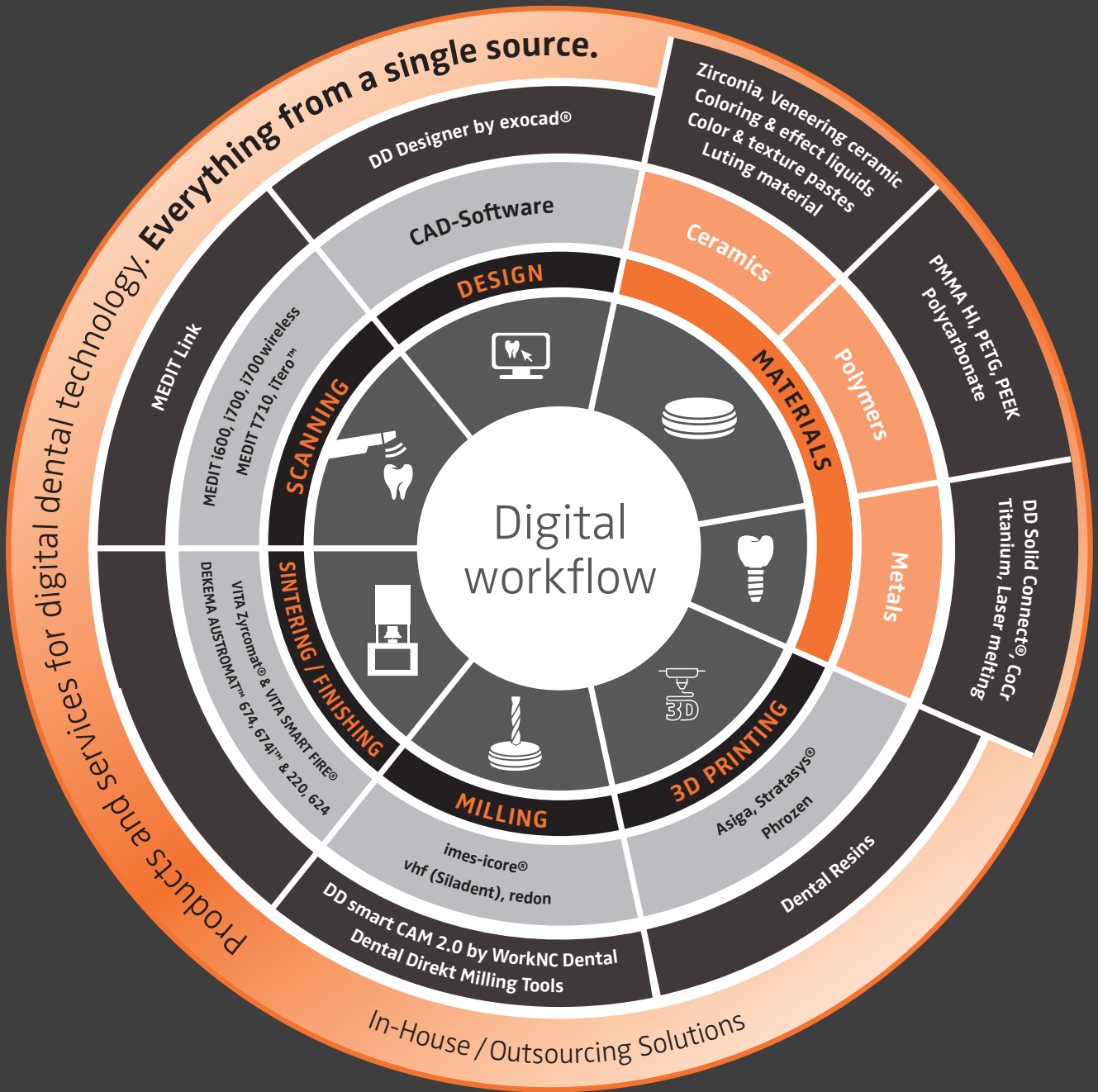


All other product details and technical data can be found on the DD peek MED product page



Consult instructions for use.

We look beyond the end of our nose.

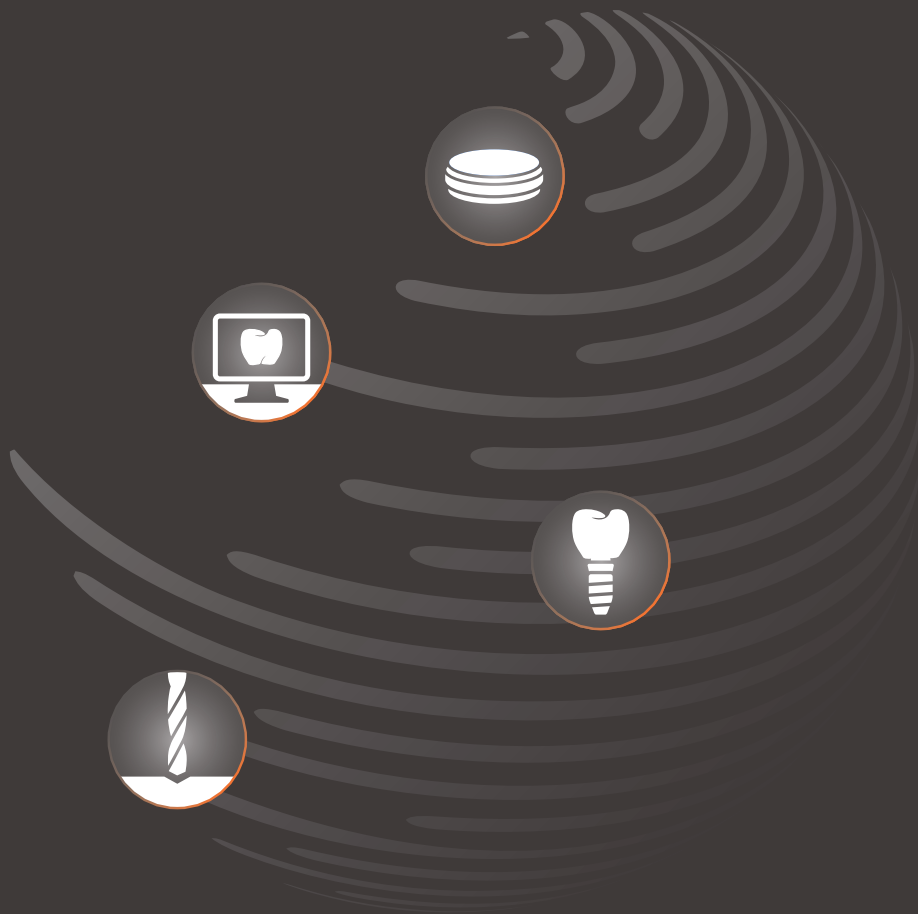


Specialists are needed for the digital production technology of dental CAD/CAM materials. All the better that with Dental Direkt you have an all-rounder at your side. Because we not only provide innovative technologies for standardized processes such as data acquisition, CAD design and individual CAM strategies, but are also Europe's No. 1 in zirconium oxide production and thus the material supplier with the necessary know-how.

Perfectly matched products. Everything from a single source.



Welcome to **your** Universe



Materials

Technologies

Implant Components

Milling Services

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CLOSE TO **YOU**

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