

Zirkonzahn®



**ZIRKONZAHN THINKS BIG**

*1 orbit for 4 diameters*

## EXTRA-LARGE TELESKOPER ORBIT Ø 125 mm

*The Teleskoper Orbit of the M2 milling unit comfort line was designed on the basis of the proven orbit simultaneous milling technology. In combination with the Blank Holders, the orbit allows the processing of all common soft and hard material blanks with a diameter of 95 mm, 98 mm, 106 mm and even 125 mm. Thanks to special holders, it is also possible to mill in just one process up to nine glass-ceramic blanks, six Raw-Abutments® or up to seven mini zirconia blanks (size 1) in different colours.*

### FLEXIBILITY AND PRECISION

*With a 125 mm diameter, the extra-large Teleskoper Orbit exemplifies precision and flexibility. Furthermore, the material discs with the relative Blank Holders can be removed from the orbit and re-inserted later at the same position with high precision in micron range. This is particularly helpful not only for adjusting the friction of telescopic jobs but also for the two-stage production of immediate restorations in case of implant-supported prostheses (with the Double Milling technique). In this case, the user can stop a milling process at any time to complete more urgent jobs: once the new structure is completed, the blank with the partially-milled structure can be reinserted into the orbit in order to continue the interrupted milling process.*



PERFECT  
ADJUSTMENT OF  
THE FRICTION FOR  
TELESCOPIC JOBS



MORE  
EFFICIENCY  
WITH DOUBLE  
MILLING



STOP & GO  
FUNCTION

Zirconia



25



23



31



7 mini zirconia blanks  
(size 1)

Resin



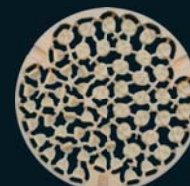
36



34



44



57



3 Raw-Abutments®  
3 Glass ceramic blanks

Bite splints



2



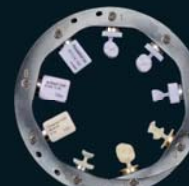
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3



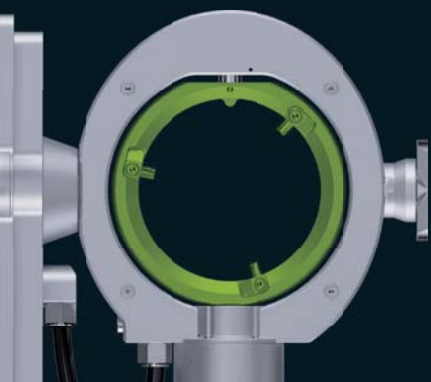
4



9 Glass ceramic blanks



6 Raw-Abutments®



Ø 95



Ø 98



Ø 106



Ø 125



Ø 125

## INNOVATIVE SOLUTIONS

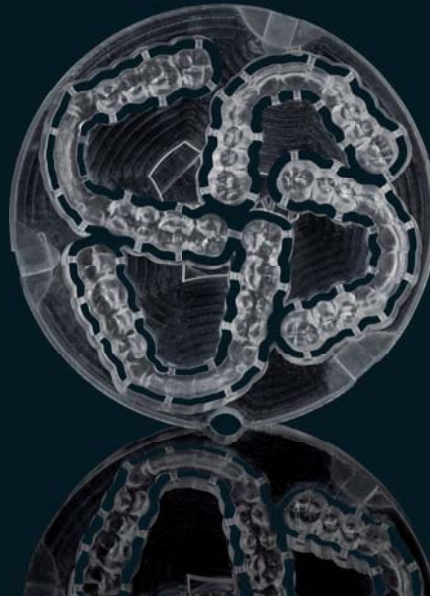
For the first time, thanks to the Teleskoper Orbit it is possible to process material blanks with a diameter of 95 mm, 98 mm, 106 mm and 125 mm. This means that oversized restorations that previously could not be milled in standard blanks (Ø 95 mm, Ø 98 mm) can now be easily positioned and milled. In this way, the number of splints capable of being produced doubles and more crowns can be milled in just one process. In the blank with a diameter of 125 mm, up to two denture bases can now be nested and milled.

MILLED IN JUST ONE MILLING PROCESS IN MATERIAL BLANKS OF Ø 125 AND 106 mm

**UP TO 2 FULL-ARCH MODELS INCLUDING DIES IN THE MODEL BLANK**



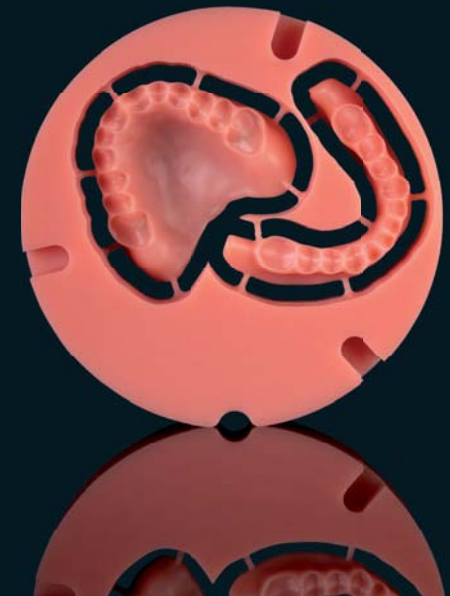
**UP TO 4 BITE SPLINTS MADE OF TRANSPA RESIN**



**UP TO 57 SINGLE CROWNS MADE OF RESIN**



**UP TO 2 DENTURE BASES MADE OF DENTURE GINGIVA BASIC**





Ø 106 mm:  
24 % LARGER  
MILLING AREA

UP TO 6 RAW-ABUTMENTS®  
IN THE RAW-ABUTMENT®  
HOLDER 6 TELESKOPER



UP TO 7 ZIRCONIA SINGLE  
CROWNS IN THE MULTI BLANK  
HOLDER 7x1 TELESKOPER

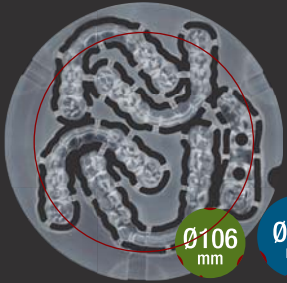


SEVERAL TRY-IN RESTORATIONS  
MADE OF TRY-IN III RESIN



BLANKS WITH Ø 106 mm  
FOR OVERSIZED METAL  
OR ZIRCONIA BRIDGES



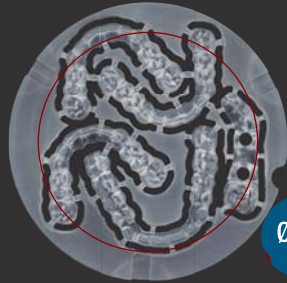


Ø106 mm

Ø125 mm

## THERAPON TRANSPA

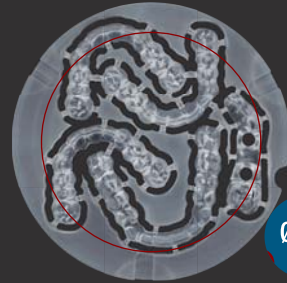
Highly transparent resin for the production of bite splints, orthodontic splints and occlusal splints for bruxism. This resin can be easily processed and high-gloss polished.



Ø125 mm

## PRIME TRANSPA

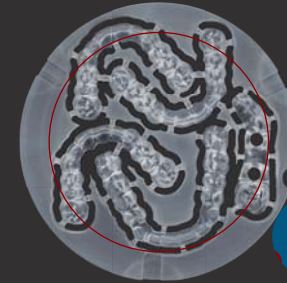
With its improved material properties, this transparent resin is characterised by high flexural strength and fracture resistance. Suitable for the production of bite splints.



Ø125 mm

## TEMP PREMIUM FLEXIBLE TRANSPA

Flexible transparent resin with high surface density and improved material properties for the fabrication of bite splints.



Ø125 mm

## TEMP BASIC TRANSPA

This transparent resin for the production of bite splints can be easily processed and high-gloss polished. Thanks to its flexibility, it provides a pleasant wearing comfort.



Ø106 mm

Ø125 mm

## MODEL BLANK BEIGE

Beige-coloured resin for the manufacture of models based on intraoral scan data as well as impression or model scans.

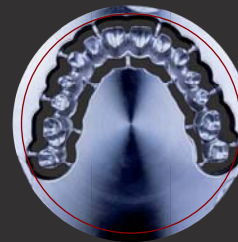


Ø106 mm

Ø125 mm

## TRY-IN III

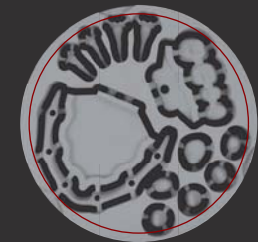
Tooth-coloured, robust resin for the try-ins of several restorations as well as for subsequent scanning and transferring into the CAD/CAM software.



Ø106 mm

## TITANIT

High-quality medical titanium alloy for the production of metal frameworks, restorations and bars.



Ø106 mm

## SINTERNIT

Deformation-resistant sinter metal for the manufacture of structures ranging from single crowns to 14-unit bridges, metal frameworks, telescopic crowns, bars, dowels and attachments in one's own lab.



Ø106  
mm

### PRETTAU®

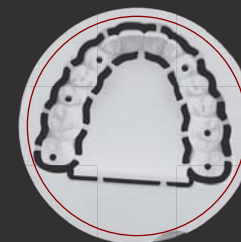
Highly translucent zirconia for single crowns up to full-arch bridges (monolithic or reduced for ceramic veneering).



Ø106  
mm

### PRETTAU® 2

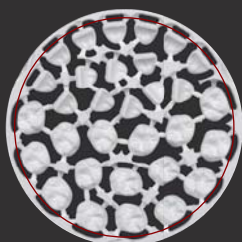
Particularly highly translucent zirconia with an excellent flexural strength especially suitable for full-arch restorations (monolithic or reduced for ceramic veneering) but also for single crowns, inlays, onlays, veneers, bars and multi-unit bridges.



Ø106  
mm

### PRETTAU® 3

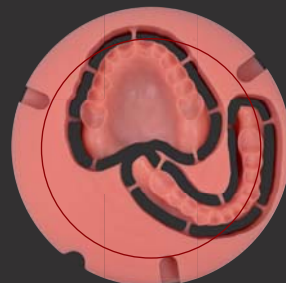
Zirconia with particularly high translucency, flexural strength and Gradual-Duplex-Technology: a double gradient of flexural strength and translucency. Suitable for restorations from single crowns to full-arch bridges (monolithic or reduced for ceramic veneering).



Ø106  
mm

### ICE TRANSLUCENT

Translucent zirconia for single crowns up to large-span bridges (reduced for ceramic veneering).



Ø125  
mm

### DENTURE GINGIVA BASIC

Gingiva-coloured resin with improved material properties, high flexural strength and fracture resistance. Specifically designed for the production of denture bases.

Ø125  
mm

Diameter of 125 mm

Ø106  
mm

Diameter of 106 mm



Size comparison with diameter of 98 mm

## PRODUCTION SITES

*We never surrender the control of our products to others. Being the sole process owners, we have full control on the complete manufacture process. We know our materials and can ensure they form a perfect match. This is the only way to take full responsibility for our products and to ensure the highest quality.*



### ZIRKONZAHN WORLDWIDE INCISIVUS

*At our Zirkonzahn headquarters in Gais (South Tyrol, Italy), we take care of all tasks: from research and development, to the customer support for technical and dental technical issues, through the sale of our products. Here, we also have our in-house zirconia and metal production.*







## ZIRKONZAHN MOLARIS I & MOLARIS II

*In our production sites Zirkonzahn Molaris I and Molaris II in Molini di Tures (South Tyrol, Italy), we produce, among other things, resin, sinter metal, implant components, milling burs and machine parts.*



## ZIRKONZAHN CANINUS (OPENING 2022)

*Our new production site Zirkonzahn Caninus is located in Dobbiaco, in the heart of the Dolomites. Zirconia is the dental material of choice: in the future, our Prettau® will be produced entirely here – no coincidence, it's “Zirconia from the Dolomites!”*



## WE WANT PERFECTION

*We are explorers, inventors, architects of change. We forge ideas and find solutions,  
always looking for new ways and means to create the best.*



*Alexander Kirchler, material production*

## NEW! 1 ORBIT 4 DIAMETERS

125, 106, 98 AND 95 mm

M2 MILLING UNIT COMFORT LINE WITH  
EXTRA-LARGE TELESKOPER ORBIT.  
FULLY AUTOMATIC, FLEXIBLE AND  
VIBRATION-FREE.



Ø125  
mm

4 x bite splints

LARGER MILLING AREA WITH Ø 95 mm



Ø95  
mm

2 x bite splints



Ø98  
mm

2 x bite splints



Ø106  
mm

3 x bite splints



M2 MILLING  
UNIT COMFORT  
LINE

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