

1 2 3 4

**FOUR STEPS** TO  
A PERFECT MODEL



Align  
Pour out  
Demould  
Segment

**ONE SYSTEM** FOR THE MOST DEMANDING OF REQUIREMENTS  
– also in the digital workflow.

Crowns & Bridges • Implants • Partial impressions • Combined dental prostheses

# 1 2 3 4

## FOUR STEPS TO A PERFECT MODEL



### ➤ Align

Align the impression with the markings on the model-positioner.

**An optimal position of the impression guarantees an aesthetic model and good handling.**

### ➤ Pour out

Pour out the tray and impression and close the model-positioner.

**The complete saw-cut model is manufactured in only one work step.**

## model-tray® precision & time saving

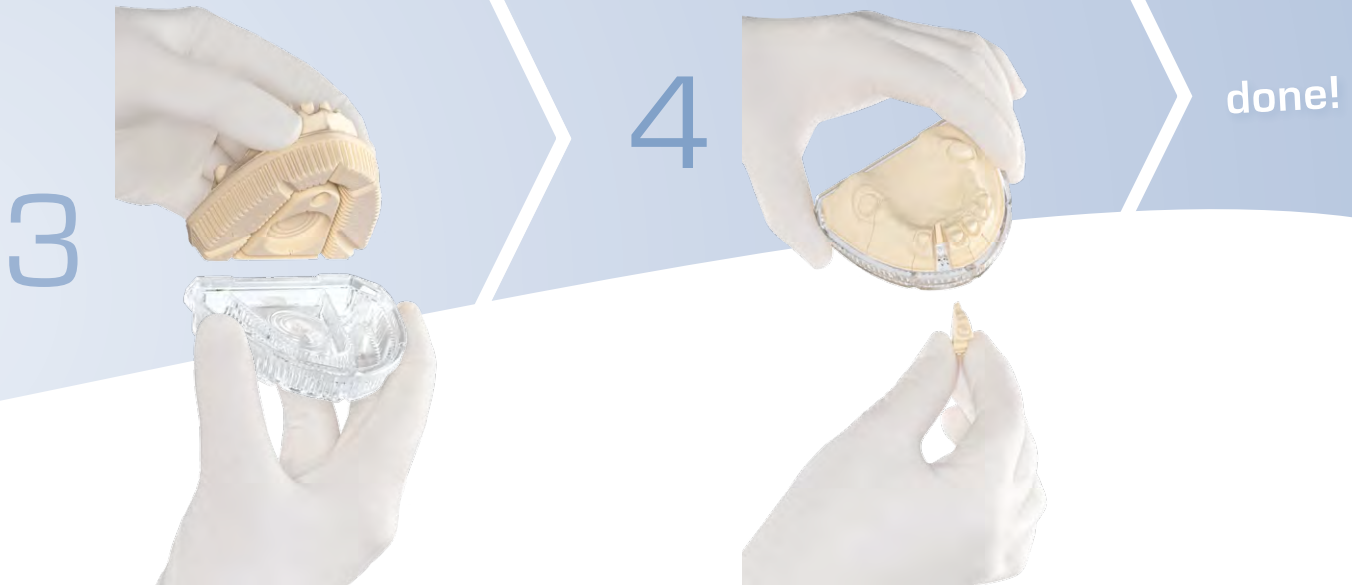
### True-to-size full model

- The model-tray® full model expands three-dimensionally and evenly.
- The three-dimensional, even expansion of the plaster in the model-tray® by about 0.08% compensates for the contraction of the impression mass after removal from the warm oral cavity.
- Relief cuts to balance dimensional distortions like with plastic-based pin models are not necessary.
- Because no separate plaster base is manufactured, the undesired secondary expansion is also omitted.



### True-to-size overall situation

- Saw-cut model and counter bite fit together perfectly, because both are manufactured as a full model.
- The model-tray® is equipped with a 45° split-cast and enables good inspection of the bite situation.
- The roof of the mouth is a part of the model and guarantees the desired model analysis.



### ➤ Demould

After 90 minutes, the finished model can be removed from the model-tray®.

**No additional work steps are necessary like in other model fabricating methods.**

### ➤ Segment

Saw the model without restrictions by pins.

**The model-tray® plaster model enables very fine segmentation and entirely free cutting positions.**

### Highest quality

- The high-quality polycarbonate of the model-tray® enables 5x use with the highest accuracy.
- Through thermal expansion, the model-tray® precisely adjusts to the expanding plaster model.
- Stable die segments without being restricted by annoying pins.
- Implant work can be easily done on the pinless model with integrated base.

### Easy and cost-saving work steps

- No annoying insertion, drilling or adhesion of pins.
- Dental arch and base are manufactured in one work step.
- Up to 75% in time saving.

~~€175.00~~  
only  
**€95.00**

**Starter Kit  
for the first  
75 models!**

**Order now**

# ONE SYSTEM FOR THE MOST DEMANDING OF REQUIREMENTS



## Duplicator for custom-fit duplicate models

- Working and saw-cut models can be duplicated true to size.
- The closed duplicating form prevents uncontrolled expansion of the investment mass.
- Due to the resulting compression pressure, the duplicate models exhibit a significantly harder and smoother surface than usual.
- The duplicate model is absolutely custom-fit and can be exchanged for the original model in the articulator.



Manufacture of fire-resistant dies in the model-tray® is also possible with the duplicator.



## model-split for the manufacture of models that won't be sawn

- For working, situation, diagnostic and master models as well as for model cast and combination prostheses.
- The model-split base is equipped with a 45° split-cast and enables good inspection of the bite situation.



## Intercuspidator for closed-mouth partial impressions

### Precise and fast model fabrication

- Upper and lower jaw models are in maximal intercuspitation due to the use of the intercuspidator.
- Model fabrication and simultaneous plasterfree mounting in the articulator with the highest precision in one work step.

### Maximum intercuspitation

- The Intercuspidator enables protrusion and laterotrusion movements, which result directly from the slide surface of the existing tooth structure.

### Specialist for small restorations

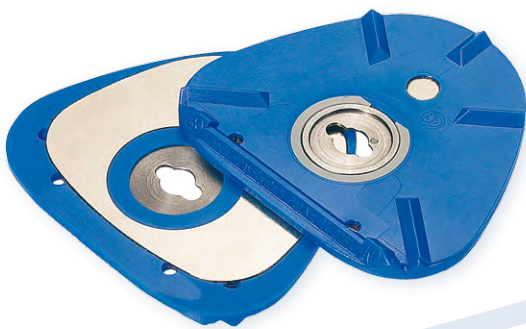
- With the Intercuspidator, single-tooth and 2 to 3-unit restorations can be manufactured quickly and accurately.
- This work comprises over 50% of all prothetic cases.



### Auxiliary module alignment base

With the alignment base, individual models with separated checkbite can be mounted without plaster.

# ONE SYSTEM FOR THE MOST DEMANDING OF REQUIREMENTS – also in the digital workflow.



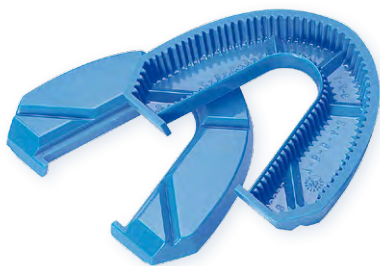
## CAD/CAM adapter for easy placement in the scanner

- Various adapters are available for all common scanners.
- The model-tray® models can be removed and replaced again in the correct position as often as desired.

## scan-tray for convenient scanning of segments

- After scanning of the complete model, the segments can be transferred into the scan-tray in the correct position for individual die scanning.
- The mat surface guarantees reflection-free scanning.

## Archiving and sending of the models



memory-trays for inexpensive archiving



model-pack transport boxes for secure shipping



Dimensions: W 396 mm, D 271 mm, H 238 mm

## Intelligent sawing with the model-cut 2020 UNIVERSAL

Superlative model sawing machine with height-adjustable saw blade for all common model systems.

### Electronic controls

- User-friendly software.
- Cut counter.
- Information display on saw blade and filter replacement.

### Secure and quick sawing

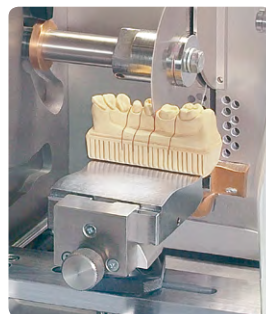
- Line laser orientation guarantees fast and accurate alignment of the cutting position.
- Automatic sawing through push-button feed.
- Protection due to completely closed saw chamber.
- No breaking away of the plaster edges at the preparation margin due to the vestibular to palatine/lingual sawing motion.

### Individual settings

- Motor speed settings between 1,500 and 12,000 r/min [1/min] enable the use of hard-metal and diamond saw blades, depending on the degree of hardening of the plaster.
- Cutting widths of only 0.20 to 0.36 mm.
- Angled cuts up to 15° can be performed without any problems in the event of diverging dies due to a tilting option of the model fixture.



model-tray®  
model



model-tray®  
quarter model



Pin models  
on plaster base



Pin models  
on plastic base



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