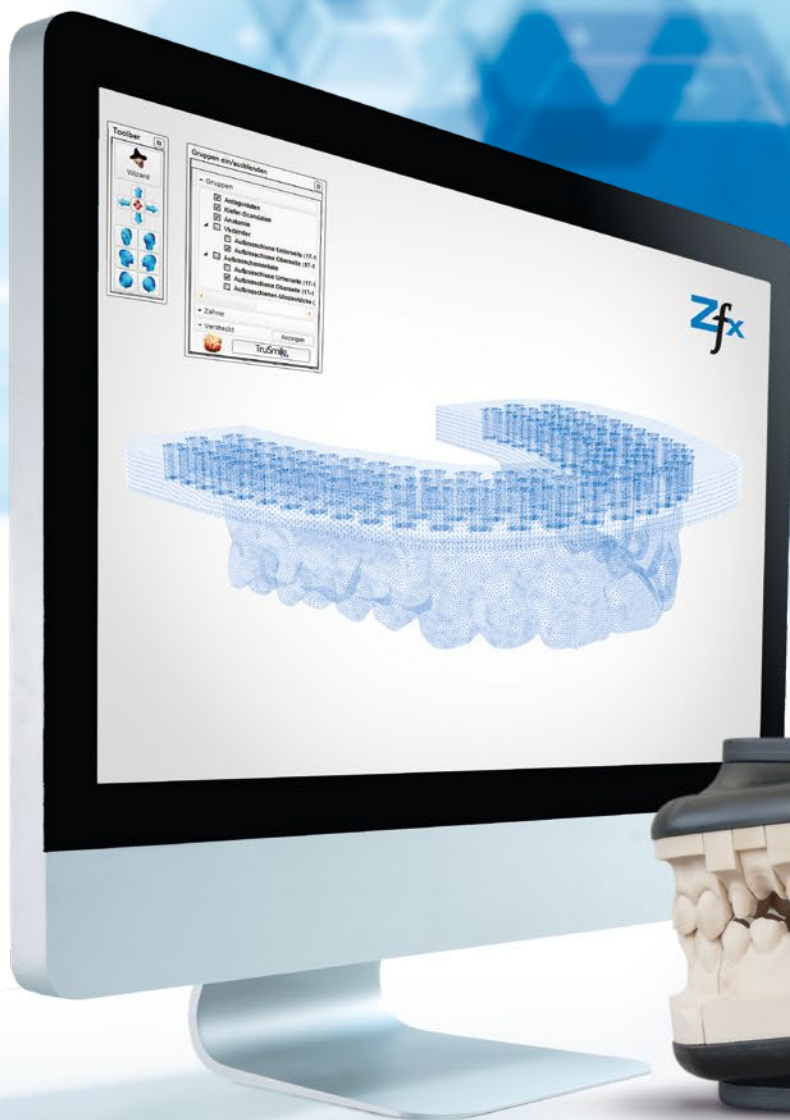




# Digital *Model* *Fabrication*



# ZFX<sup>®</sup> DIGITAL- INTRAMODEL SYSTEM

## COMPUTER-AIDED FABRICATON OF PHYSICAL MODELS

### Your benefits

- × *Direct visual control options  
by high-end intraoral scans*
- × *High-precision laser sintering manufacturing*
- × *Highest accuracy of model analogs  
for all current implant systems*
- × *Patented positioning mechanism:  
Location of the exact position of the model analog  
in the model (plug system)*
- × *Protrusion and laterotrusion movements*
- × *Examination is also possible for complex  
implant-supported bridges*

### Well thought-out system for highest precision

Intraoral scanners help to improve the quality of preparations and impressions by providing direct visual control opportunities. High-quality scans are produced, which are serving as basis for computer-aided manufacturing of dental prostheses. The only weak point within the conventional workflow is physical models, which aren't suitable for the control of fit due its' low accuracy. With the specially developed Zfx<sup>®</sup> Digital-intraModel System the company is now presenting a solution for this problem.

The system consists of a software module and separately available hardware components – plinths for upper and lower jaws, pins for model fixation on the plates and an intercuspidator. The module 'Digital intraModel System' is used to transfer the digital data set of the impression into a model. Therefore the selection is made for the model type, the scan positioning between the plates, the determination of the preparation borders respectively emergence profile (implant model) and the segmentation.

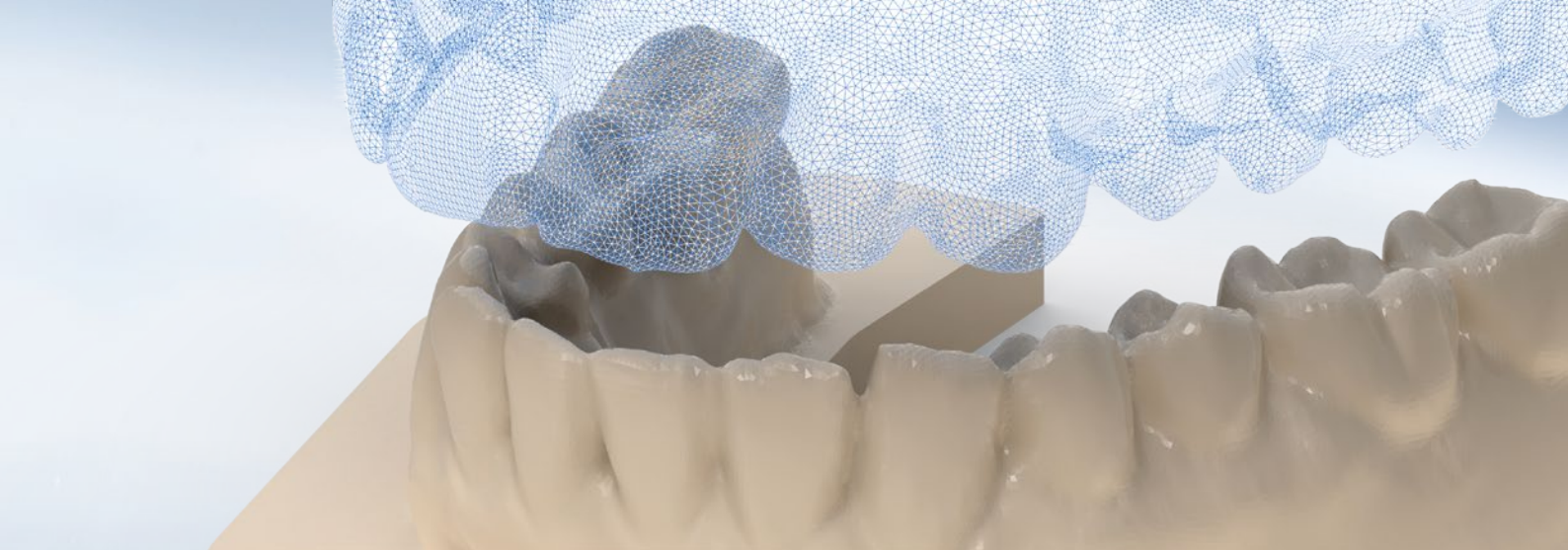
### The production

This digital model data is submitted to Zfx, where the production is done via highly precise synthetic laser sintering. It is then delivered to the lab whether it be cement retained models or implant models which would include the suitable model analogs. The analogs have been especially developed by Zfx for ensuring the highest fitting accuracy during the positioning thereof. They are available for all Zimmer Biomet implant types and most other common implant systems. The high accuracy is guaranteed by the patented fixation process via a locating pin, which is guided through printed holes in the model as well as in the analog (plug system). This means that the intended position is exactly transferred from the software; an incorrect positioning is impossible.

The models can be fixed on to plinths and put in the intercuspidator, which is used to carry out protrusion and laterotrusions movements. The system is compatible with an average articulator (e.g. Artex<sup>®</sup>, Amann Girrbach) and can be implemented easily in it by means of an adapter plate. Tests reveal, that the accuracy of the models is sufficient for even checking the fit of complex screw retained implant-supported bridges.



A patented plug system enables the exact positioning of the model analogs.



**1. Scanning**

The intraoral scanner enables highly precise situation scans. Even the exact position of a BellaTek® Encode® Gingiva-former can be determined (impression posts, scanbody and healing cap at the same time).



**2. Designing**

With the software upgrade, 'Digital intraModel System' the digital data record is transformed into a model. Therefore the selection of the model type, the scanning position between the plates, the determination of the preparation margins, respective emergence profile (implant model) and the segmentation is made.



FROM THE SCAN  
TO THE  
PHYSICAL MODEL



**4. Exact positioning**

The finished models are fixed on the cover plates respectively on the intercuspidator, protrusion and laterotrusion movements can be carried out.

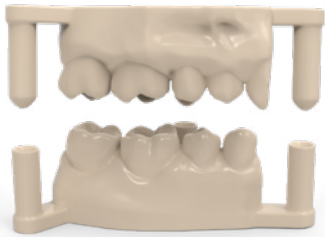
Implant models are delivered including suitable model analogs.

**3. Manufacturing**

After the data have been submitted to a milling center the manufacturing is carried out by the highly precise synthetic laser sintering procedure.



# ZFX<sup>®</sup> MODELS & DRILL TEMPLATE



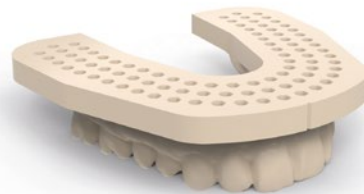
	Part number	Price (€)
<b>Dental model (quarter), UJ incl. Preparation</b>		
Synthetic laser sintering procedure	ZFXLS001	13.00
<b>Dental model (quarter), LJ incl. Preparation</b>		
Synthetic laser sintering procedure	ZFXLS001	13.00



	Part number	Price (€)
<b>Dental model, UJ incl. Preparation</b>		
Synthetic laser sintering procedure	ZFXLS002	25.00
<b>Dental model, LJ incl. Preparation</b>		
Synthetic laser sintering procedure	ZFXLS002	25.00



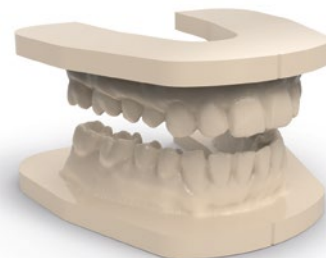
	Part number	Price (€)
<b>Stump / preparation from PU</b>		
Synthetic laser sintering procedure	ZFXLS003	4.90
Milling procedure	ZFXM001	6.90



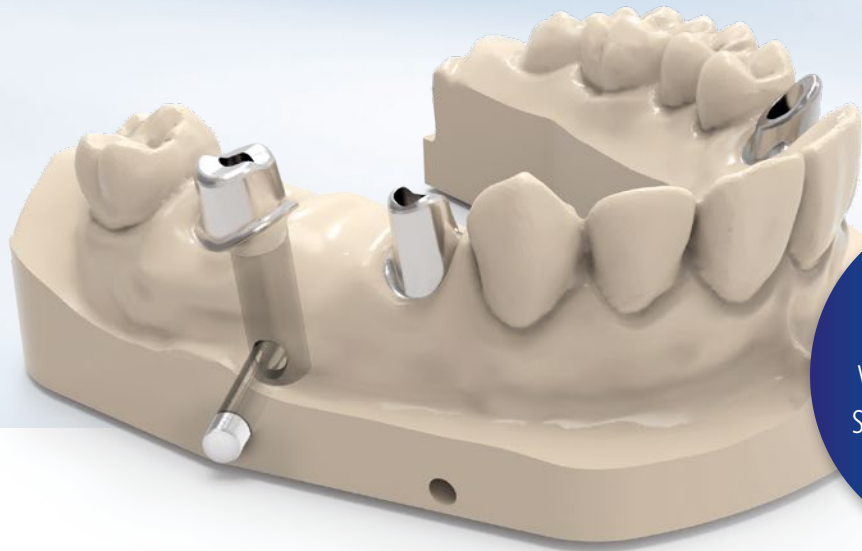
	Part number	Price (€)
<b>KFO model, UJ</b>		
Synthetic laser sintering procedure	ZFXLS002	25.00



	Part number	Price (€)
<b>KFO model, LJ</b>		
Synthetic laser sintering procedure	ZFXLS002	25.00



	Part number	Price (€)
<b>KFO model, UJ</b>		
Synthetic laser sintering procedure	ZFXLS002	25.00
<b>KFO model, LJ</b>		
Synthetic laser sintering procedure	ZFXLS002	25.00



Zfx®  
Model Analogs  
with patented plug  
system for the exact  
positioning



	Part number	Price (€)
<b>KFO model with plinth, UJ</b>		
Synthetic laser sintering procedure	ZFXLS002	<b>25.00</b>



	Part number	Price (€)
<b>KFO model with plinth, LJ</b>		
Synthetic laser sintering procedure	ZFXLS002	<b>25.00</b>



	Part number	Price (€)
<b>KFO model with plinth, UJ</b>		
Synthetic laser sintering procedure	ZFXLS002	<b>25.00</b>



	Part number	Price (€)
<b>Drill template up to 6 elements</b>		
Synthetic laser sintering procedure	ZFXLS004	<b>99.00</b>

<b>KFO model with plinth, LJ</b>		
Synthetic laser sintering procedure	ZFXLS002	<b>25.00</b>



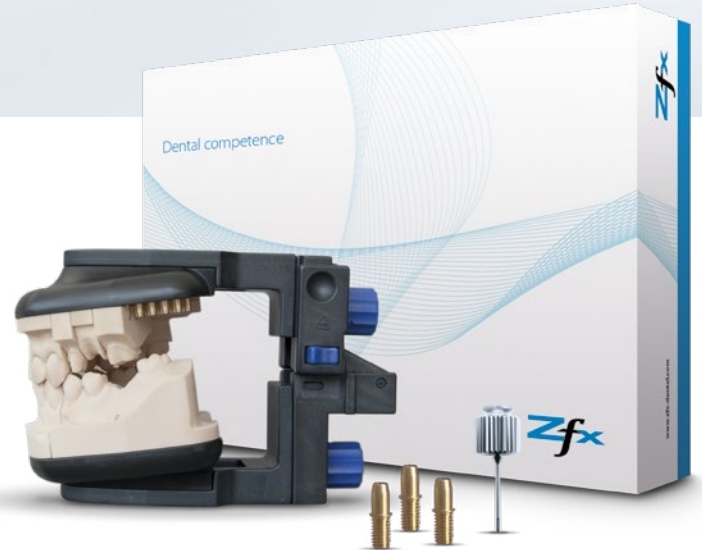
	Part number	Price (€)
<b>Drill template, more than 6 elements</b>		
Synthetic laser sintering procedure	ZFXLS005	<b>149.00</b>

# ZFX<sup>®</sup> DIGITAL-INTRAMODEL SYSTEM SET

## Delivery content set

- × 1 piece intercuspidator
- × 2 pieces Zfx™ plates
- × 1 piece check block
- × 30 pieces metal pins
- × 1 piece hexagon key (HXLGR1.25), long with GemLock for Zfx™ IntraScan Matchholder

Article	Part number	Price (€)
Zfx® Digital-intraModel System Set	ZFX02002065	490.00



## Further accessories

	Part number	Price (€)
<b>Software upgrade: Zfx® Digital-intraModel</b>	ZFX10002335	1,200.00
<b>Torque wrench for Zfx® Evolution Matchholder</b>	ZFX02002067	89.00
<b>Hexagon key, long for Zfx® IntraScan Matchholder</b> with torque adaptor, without GemLock	HXL1.25	99.00
<b>Hexagon key, long with GemLock for Zfx® IntraScan Matchholder</b> with GemLock holding function	HXLGR1.25	114.00
<b>Zfx® Metal Pin Set (50 pcs.)</b>	ZFX02002524	99.00



Software upgrade: Zfx®  
Digital-intraModel System



Torque wrench for  
Matchholder of the  
Zfx® Evolution series



Hexagon key,  
long for Zfx® IntraScan  
Matchholder with  
torque adaptor



Hexagon key,  
long with GemLock  
for Zfx® IntraScan  
Matchholder



Zfx® Metal Pin



Model analogs for all current  
implant systems



## Implant systems and types, compatible with Zfx

Implant manufacturer	Implant system				
<b>ZIMVIE</b>	Certain®	Conical®	IOL®	Low Profile®	ExHex®
<b>BIOHORIZONS</b>	Tapered Internal®				
<b>BRENT</b>	SKY uni.cone®	SKY fast and fixed®	SKY®		
<b>CAMLOG</b>	Screw Line®	VARIO SR®			
<b>DENTIUM</b>	Superline & Implantium				
<b>DENTSPLY IMPLANTS (ASTRATECH)</b>	EV	OsseoSpeed®	UniAbutment®		
<b>DENTSPLY IMPLANTS</b>	Multi-Purpose®	Frialit-Xive®			
<b>MEGAGEN</b>	AnyOne®	AnyRidge®	EZ Plus®	Rescue Internal®	
<b>MIS</b>	Internal Hex®				
<b>NOBEL BIOCARE</b>	Active®	Brånemark®	Multi-unit®	Replace®	
<b>OSSTEM</b>	GS & TS System®				
<b>P-I</b>	Amplified®	Conical Abutment®	External Hexagon®	Morse Taper®	
<b>STRAUMANN INSTITUT</b>	Bone Level®	Mutli-Base®	SynOcta®	Octa® (External Octagon)	
<b>SWEDEN &amp; MARTINA</b>	Global®	Outlink2®	Premium Kohno®		
<b>THOMMEN MEDICAL</b>	SPI®				
<b>ZIMVIE</b>	Tapered Screw Vent®	Shoulder Abutment®	SwissPlus®	Tapered Abutment®	Eztetic Implant®



You can find the current version of the catalogue, including all components, at [zfx.dental.com](http://zfx.dental.com)



FOR MORE INFORMATION VISIT  
[www.zfx-dental.com](http://www.zfx-dental.com)

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A COMPANY OF  
 **ZimVie**