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## **Product and support training**

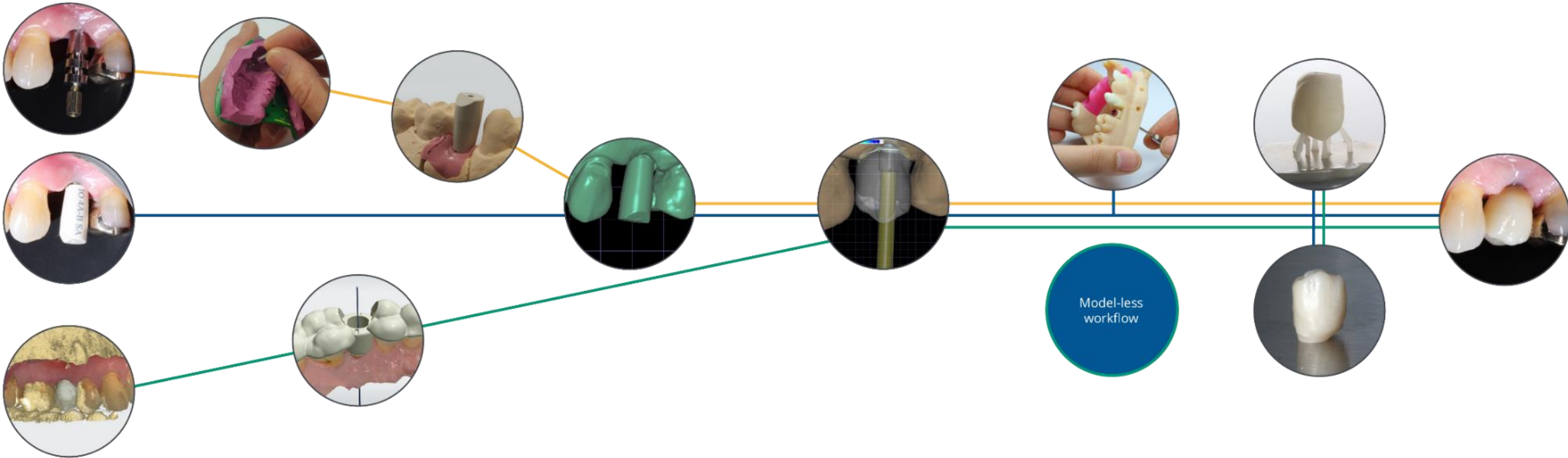
# Agenda

- **Elos Medtech product training(for sales personal and support)**
  - A truly digital workflow
  - Elos Medtech product history
  - Elos Accurate Scan Body
  - Elos Accurate Hybrid Base solutions
  - Elos Accurate Analog for Printed Models
  - Elos Accurate open digital solutions
- **Support training**
  - Support level
  - Library support
  - Product support
  - Nobel Active/CC IO & IOSA
  - Hands-on training
- **Elos Accurate integrated solutions through our partnerships**
  - 3shape cooperation - Screw Retained Crown TDS/IS
  - Imes-Icore cooperation
  - InLab19
  - Atlantis Workflow

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**Elos Medtech product training  
(for sales personal and support)**

# A truly open digital workflow



# Elos Medtech product history

- Pioneers in digital workflow



	<b>Desktop Scan Body</b>	2010
3shape contacted Elos to develop a implant locator for their scanner		
	<b>Prosthetic Screws</b>	2011
Prosthetic screws with original screw driver interface		
	<b>Pre-Milled Blanks</b>	2011
Pre-milled blanks with fixtures for industrial sized milling machines		
	<b>Intra Oral Scan Body</b>	2012
Intra Oral scan body where the Peek part is not wider than the implant connection		
	<b>Model Analog</b>	2014
First generation Model Analog with click sound		
	<b>Hybrid Base Single</b>	2015
Hybrid Base for single restoration		
	<b>Hybrid Base Bridge</b>	2016
Hybrid Base for multi restoration with angulation of screw channel		
	<b>Print Model Analog</b>	2018
Second generation - optimized for desktop printing with improved locking		
	<b>Hybrid Base Engaging &amp; Hybrid Base Non-Engaging</b>	2018
Gold shaded and angulation		

# Elos Medtech product history

## - Pioneers in digital workflow

- 3shape contacted Elos in 2010
  - Multi-use Scan Body in Peek with Titanium insert
  - Patented imbedded screw for maximum scanning surface
  - High accuracy
  - Reference number laser marked on Peek body
  - Color coded Titanium insert matching implant manufacture
  - Compatible with major implant systems
  - One screwdriver for all scan bodies
- 
- Phase-out began in 2018

Desktop Scan Body



2010

# Elos Medtech product history

- Pioneers in digital workflow

- Original screw driver interface
- Original screw seating area

Prosthetic Screws

2011



# Elos Medtech product history

## - Pioneers in digital workflow

- Blank, fixture & Milling screw
- Industrial sized milling machines



Pre-Milled Blanks



2011





# Elos Medtech product history

## - Pioneers in digital workflow

- Scan Body not wider than the implant
- Multi-use Scan Body in Peek with Titanium insert
- Patented imbedded screw for maximum scanning surface
- High accuracy
- Reference number laser marked on Peek body
- Color coded Titanium insert matching implant manufacture
- Both for Intra oral and Desktop scanning
- Compatible with major implant systems
- Preferred choice for several implant companies and technology partners
- One screwdriver for all scan bodies

Intra Oral Scan Body

2012



# Elos Medtech product history

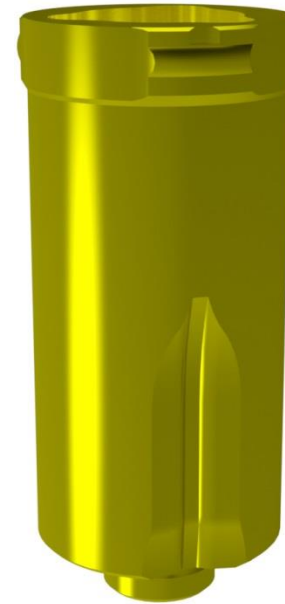
## - Pioneers in digital workflow

- Developed partly with Dreve
- Click sound when installed correctly
- Part of Nobel Biocare and Dentsply Atlantis workflow
- Can also be used for milled and plaster models



Model Analog

2014



# Elos Medtech product history

## - Pioneers in digital workflow

- BaseLock™ locking area in top to strengthen zirconia part
- 40° chamfer and a cement spacer that fades to zero
- Hybrid Base is never wider than implant
- Only for straight screw channel
- LOT number laser marked on Hybrid Base
- Large retention area with helixes

Hybrid Base Single

2015



# Elos Medtech product history

## - Pioneers in digital workflow

- GuideGrip™
- 40° chamfer and a cement spacer that fades to zero
- Hybrid Base is never wider than implant
- Angulation up to 28° with Hexalobular screw
- LOT number laser marked on Hybrid Base
- Large retention area with helixes



Hybrid Base Bridge

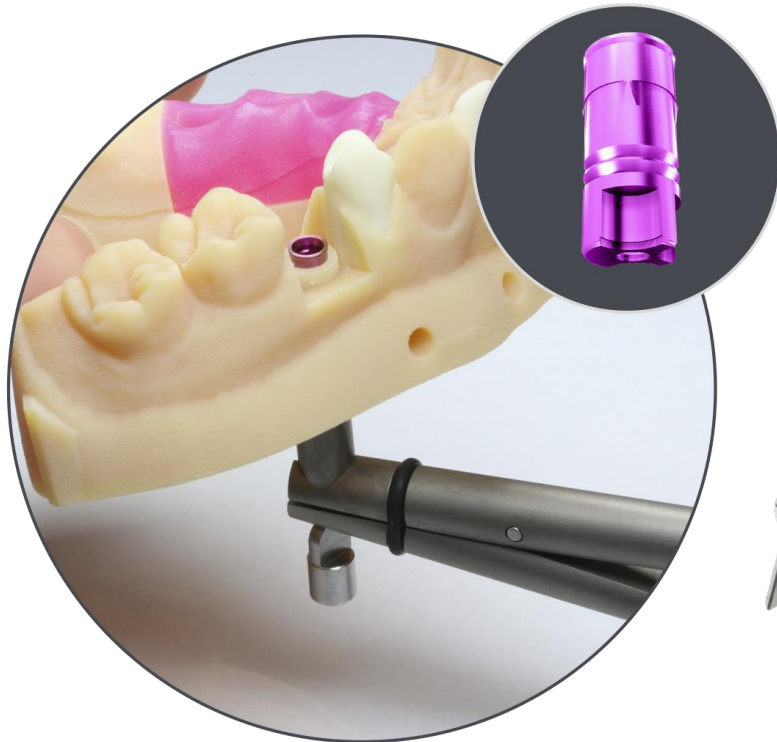


2016

# Elos Medtech product history

- Pioneers in digital workflow

- Improved locking area
- Optional fixation screw
- One tool for all platforms



Print Model Analog



2018



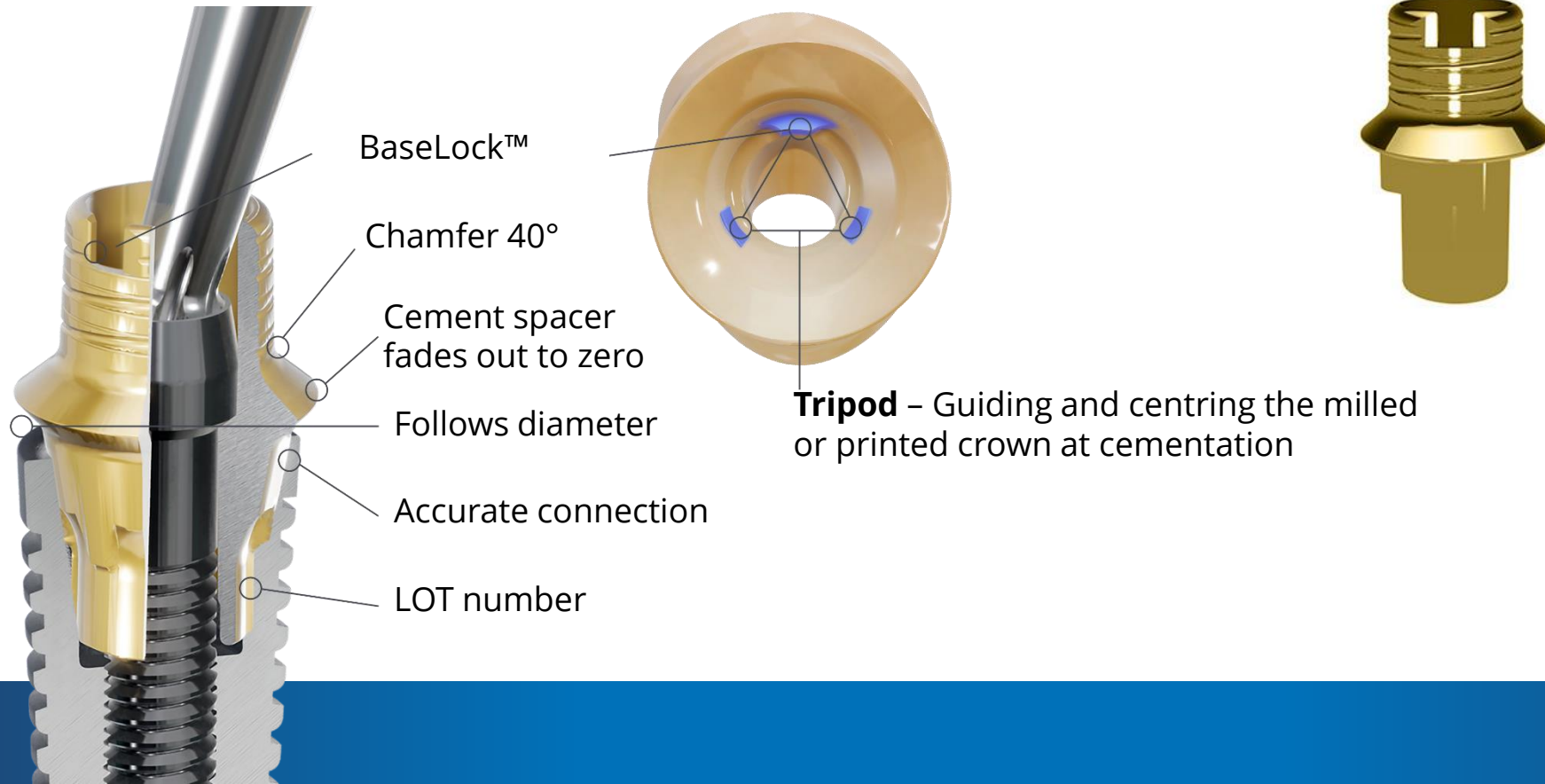
# Elos Medtech product history

## - Pioneers in digital workflow

- Gold anodized for higher aesthetics
- Angulation up to 28°
- Single packed

Hybrid Base Engaging

2018

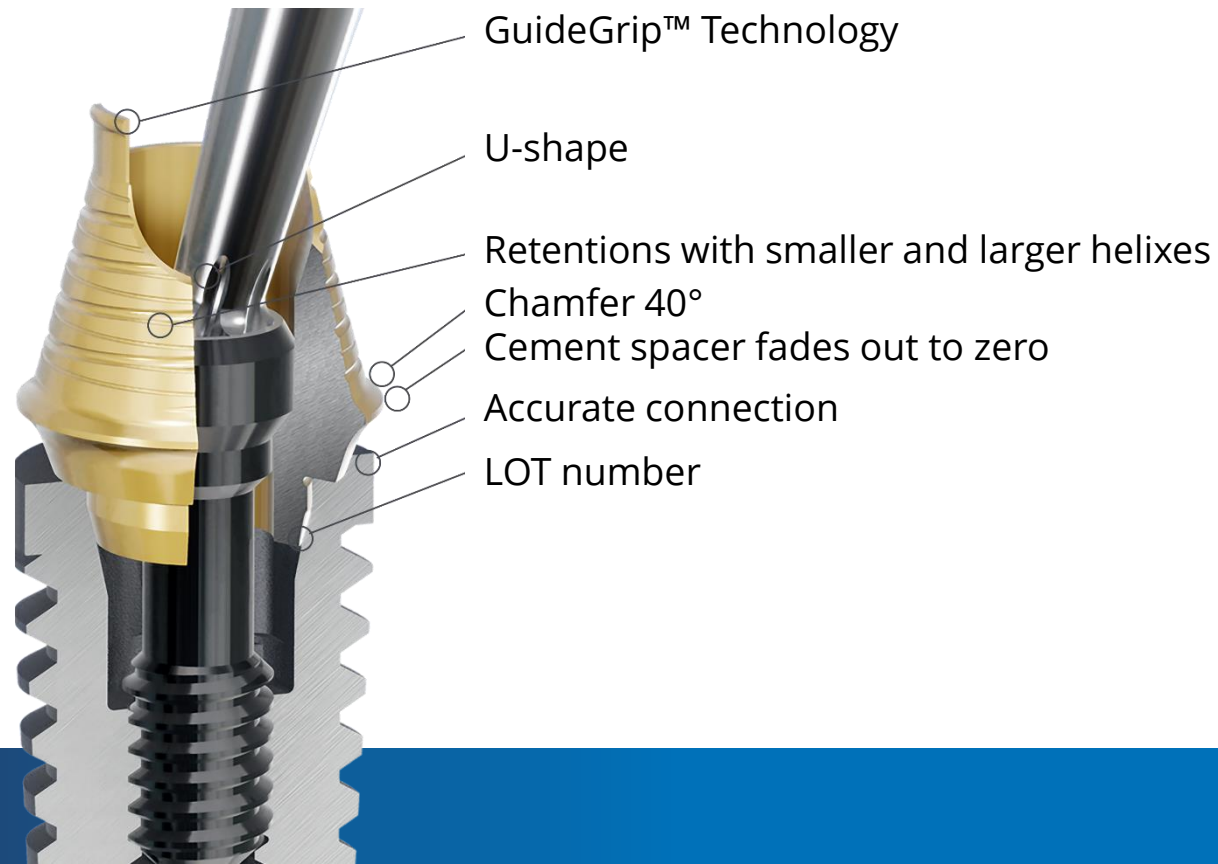


**Tripod** – Guiding and centring the milled or printed crown at cementation

# Elos Medtech product history

## - Pioneers in digital workflow

- Gold anodized for higher aesthetics
- Angulation up to 28°
- Single packed



Hybrid Base Non-Engaging



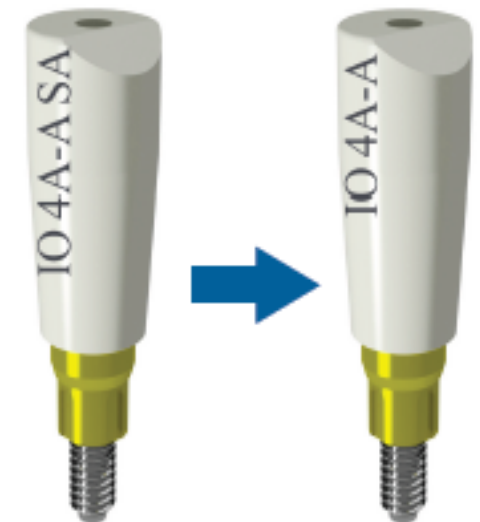
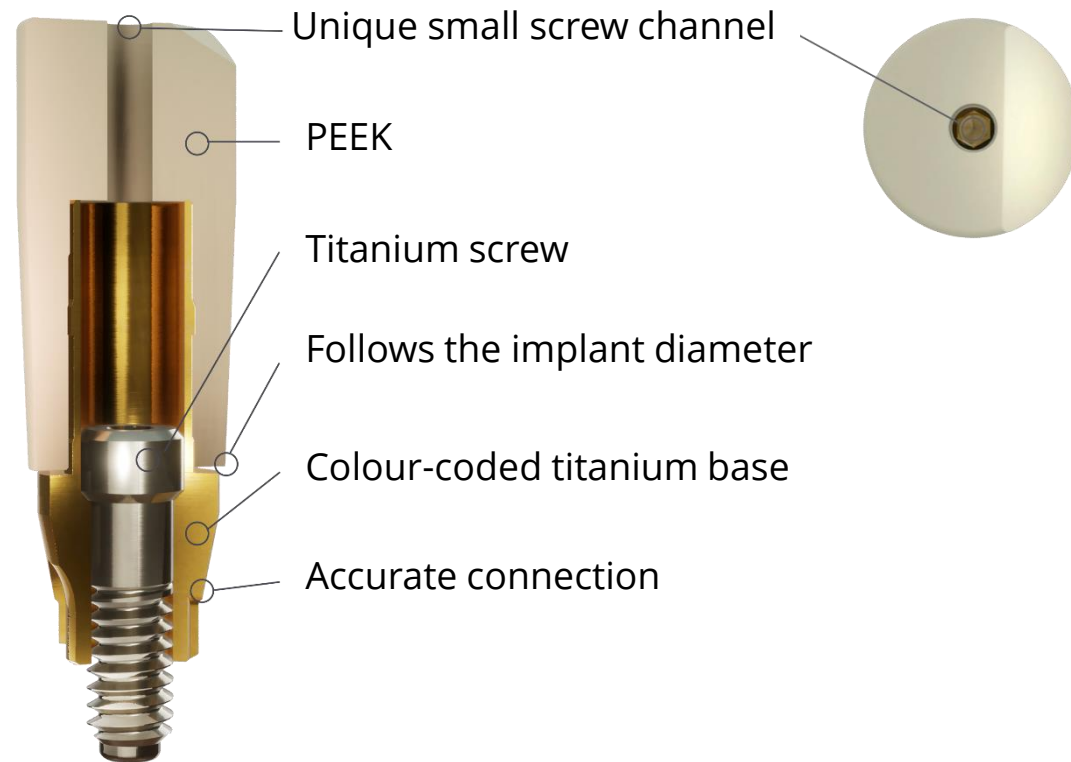
2018



# Elos Accurate<sup>®</sup> Scan body



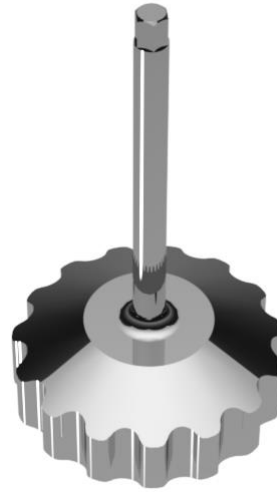
# Elos Accurate® Scan Body



# Elos Accurate® Scan Body



C13485  
Most versatile



C18512  
Clinical use

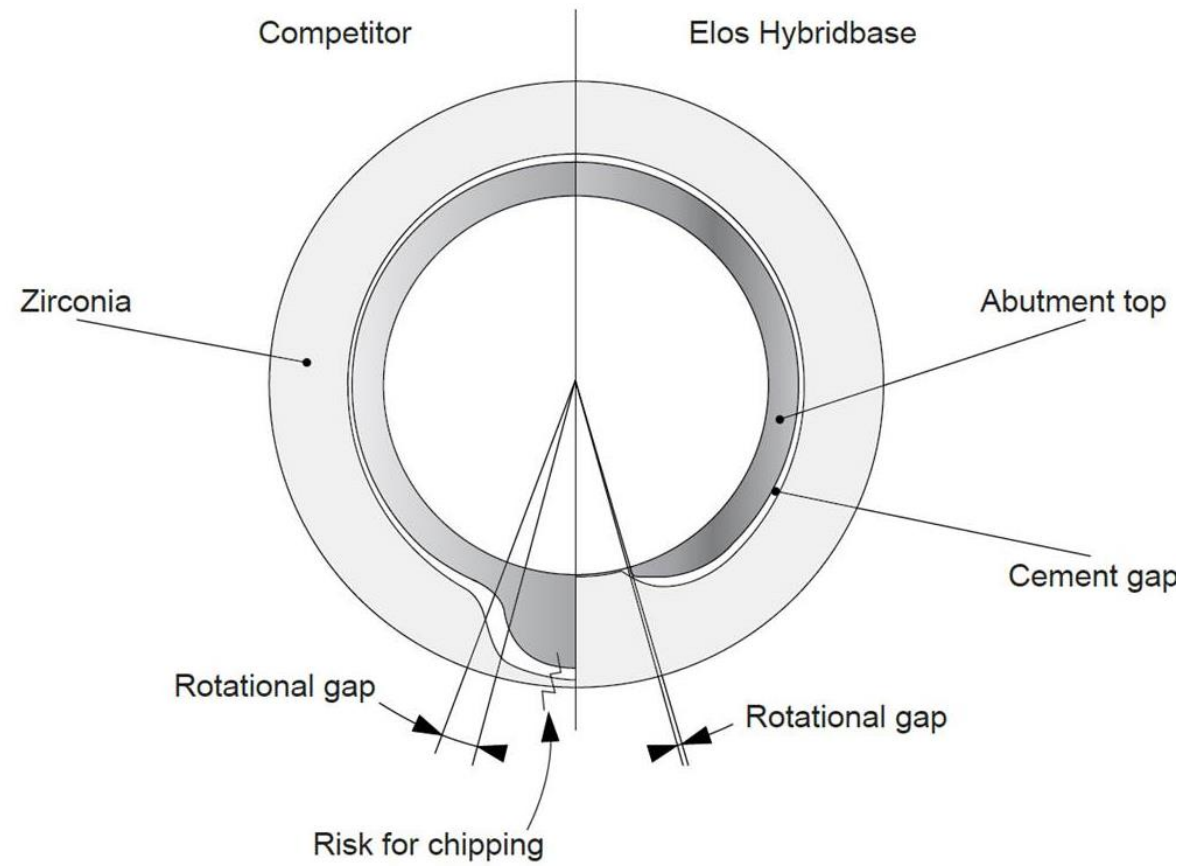
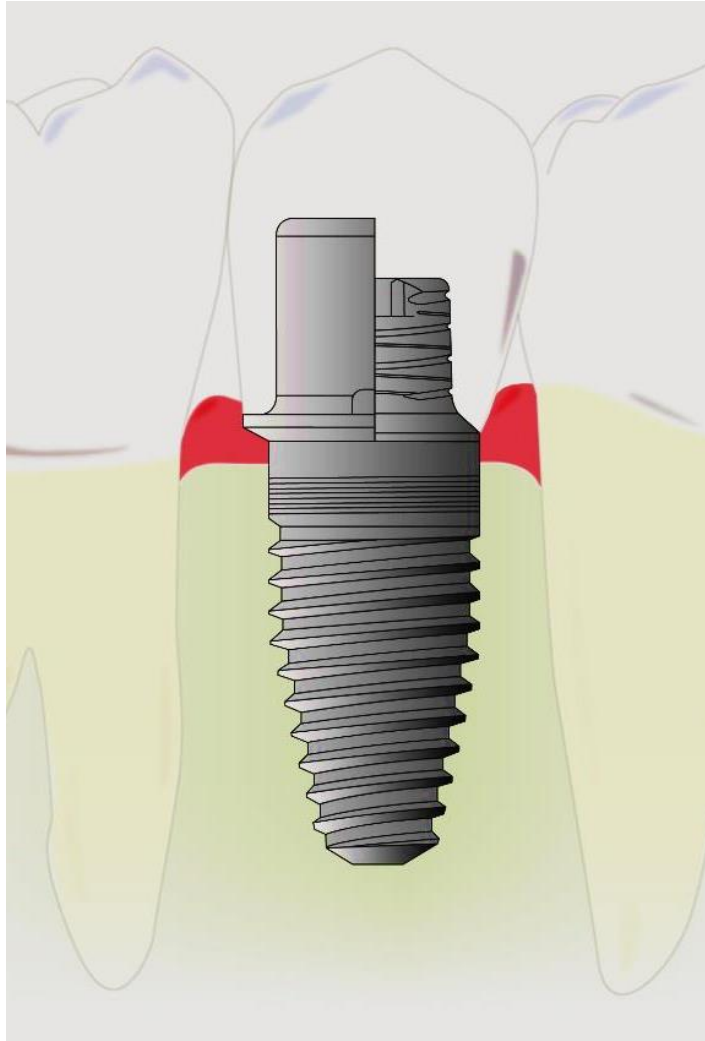
**Hand-torque until stable.  
No more the 5 Ncm.**



C13048  
Lab use

# Elos Accurate® Hybrid Base Solutions

# Elos Accurate® Hybrid Base™ Solutions



# Elos Accurate® Hybrid Base™ Solutions

- For all Prosthetic Implant Solutions

## Elos Accurate® Hybrid Base™ Engaging



- Customised abutments for **cemented crowns**
- Customised abutments for **cemented bridges**
- **Screw-retained crowns**

## Elos Accurate® Hybrid Base™ Non-Engaging



- **Screw-retained bridges**
- **Bar constructions**

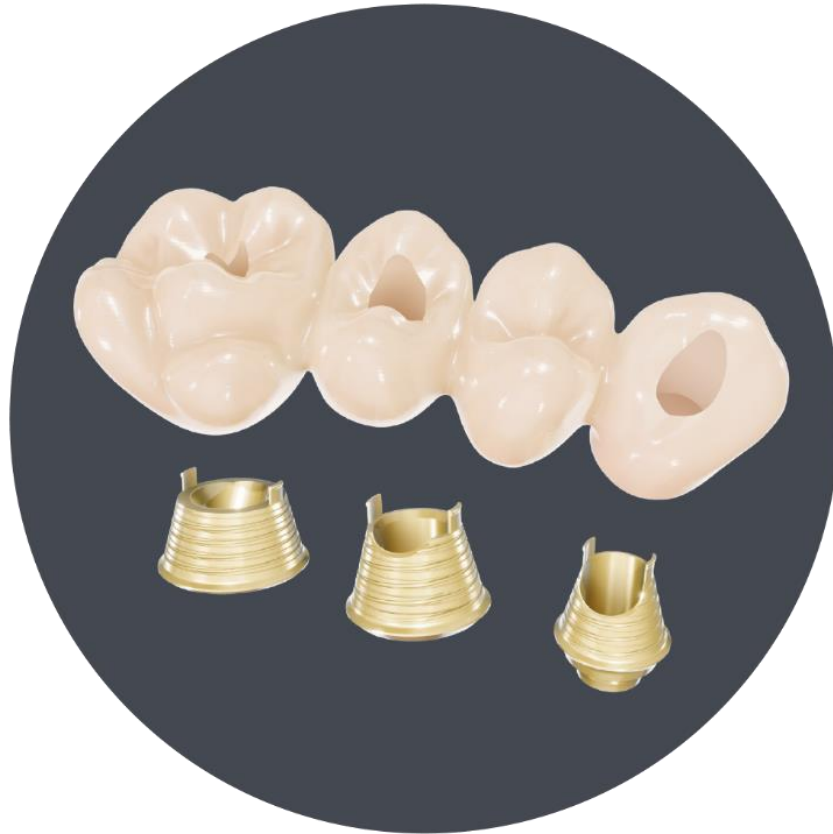
# Elos Accurate® Hybrid Base™ Solutions

- For all Prosthetic Implant Solutions



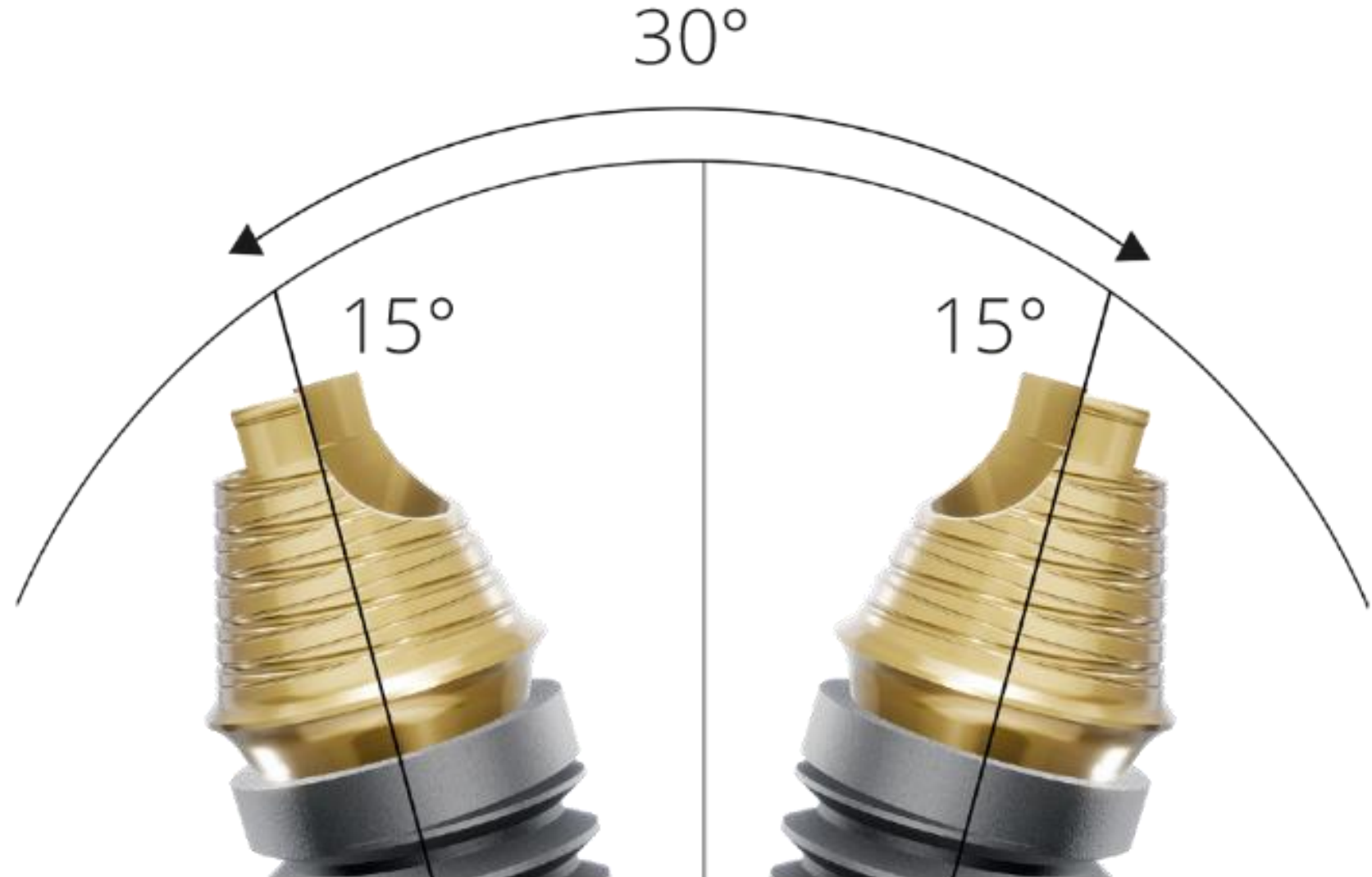
# Elos Accurate® Hybrid Base™ Solutions

- For all Prosthetic Implant Solutions



# Elos Accurate<sup>®</sup> Hybrid Base<sup>™</sup> Solutions

- For all Prosthetic Implant Solutions





# Elos Accurate® Hybrid Base™ Solutions

- For all Prosthetic Implant Solutions

**Keep in mind to buy the suitable prosthetic screw for your choice of construction**



This screw has the same screwdriver seating as the prosthetic screw driver. Can be used with straight screw channels.

This screw has the hexalobular screwdriver seating and can be used with angled or straight screw channels.

**Keep in mind to buy the suitable prosthetic screw for your choice of construction**



This screw has the same screwdriver seating as the prosthetic screw driver. Can be used with straight screw channels.

This screw has the hexalobular screwdriver seating and can be used with angled or straight screw channels.

# Elos Accurate<sup>®</sup> Analog for Printed Models

# Elos Accurate® Analog for Printed Models

**Elos Accurate®  
Model Analog**



- Milled or plaster models



**Elos Accurate®  
Analog for  
Printed Models**



- For printed models

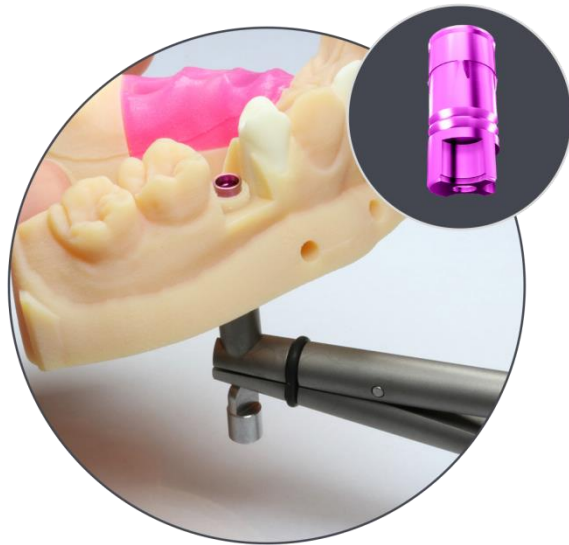
# Elos Accurate® Analog for Printed Models



# Elos Accurate® Analog for Printed Models

[021.401 Step-by-step-manual PMA.pdf](#)

[021.706 Analog for Printed Models.mov](#)



## STEP BY STEP Installation procedure

### Elos Accurate® Analog for Printed Models

#### A model analog specifically created for 3D printers

Elos Medtech introduce a model analog concept created for desktop 3D printing. The new analog is available for the major implant platforms and color coded according to the implant manufacturer.

The Elos Accurate Analog for Printed Models can only be installed in the correct position, has a press fit and is automatically centered in the model socket. If you still want to have an extra insurance of the safe seating, there is an optional special screw available for this purpose.



The installation tools are: Elos Accurate® Pliers, Elos Accurate® Insertion Pin and Elos Accurate® Fixation Screw.



1. The printed model, analog, insertion pin, pliers and fixation screw.



2. Grab the Elos Accurate Insertion Pin with your fingertips.



3. Stick the pin through the bottom of the printed model and screw it into the bottom of the analog.



4. The threaded hole at the bottom of the analog and the Elos Accurate Insertion Pin are universal and has the same diameter regardless of implant platform.



5. When mounted, gently pull the analog into the model socket.



6. Turn slightly to the right until the analog drops down into the model socket. This indicates that you have found the correct position.



7. Place the Elos Accurate Pliers so that the Elos Accurate Insertion Pin ends up in the slot at the top of the Elos Accurate Plier.



8. The image to the left shows the pliers with a stabilizing slot for the head of the Elos Accurate Insertion Pin, the right picture shows the insertion pin inserted correctly into the pliers.



9. Gently push the pliers together. This will pull the analog to a perfect position in the model socket.



10. Remove the pliers from the Elos Accurate Insertion Pin.



11. Unscrew the Elos Accurate Insertion Pin from the analog.



12. If desired, secure with the Elos Accurate Fixation Screw by mounting it in the analog from the bottom of the printed model.



13. a) Elos Accurate Fixation Screw, b) Socket wrench at the back of the pliers, c) Elos Accurate Fixation Screw mounted in the Elos Accurate Pliers.



14. Place the fixation screw in the socket wrench of the Elos Accurate Pliers.



15. The socket wrench has a magnetic feature which will keep the fixation screw securely in place.



16. Use the pliers to place the fixation screw in the bottom hole of the Elos Accurate Analog for Printed Models.



17. Rotate the pliers clockwise until the screw is fully tightened.



18. Remove the pliers and the installation procedure is done. The analog is now perfectly seated in the 3D printed model.

# Elos Accurate<sup>®</sup> Analog for Printed Models



# Elos Accurate - Open Digital Solutions

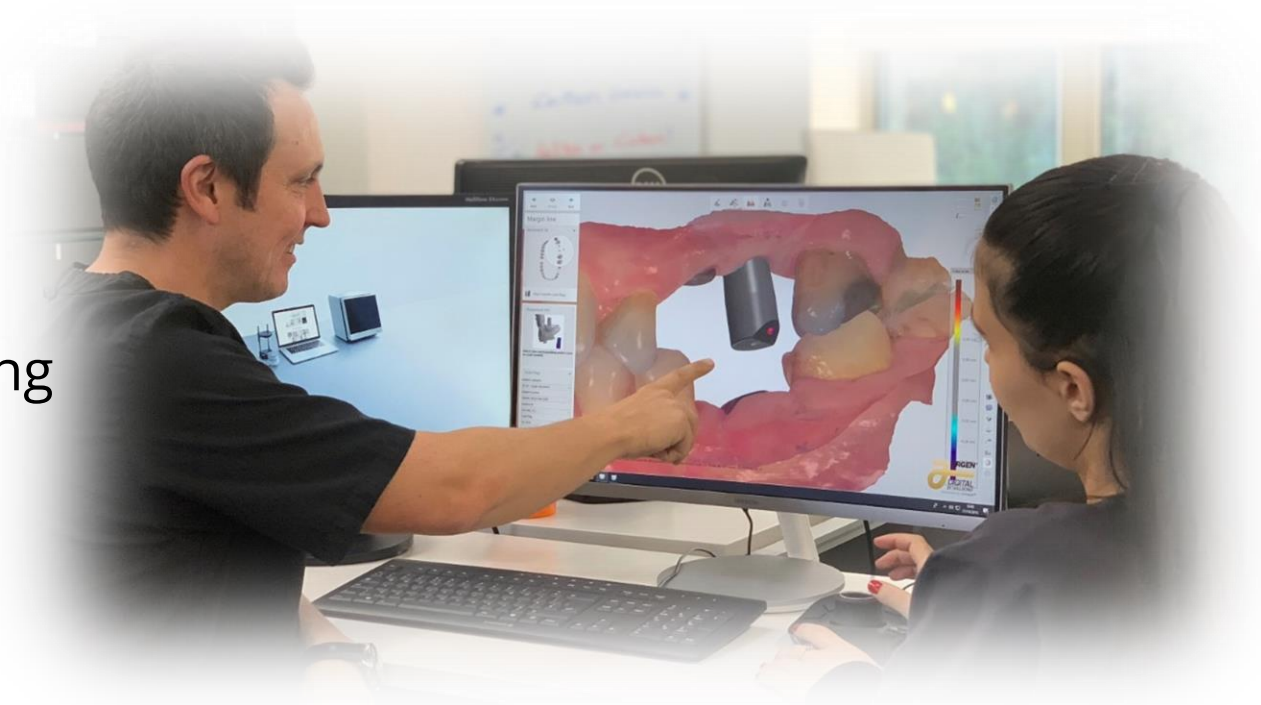
# Elos Accurate® Open Digital Solutions





# Elos Accurate® Open Digital Solutions

- Elos Accurate® Custom Abutment
- Elos Accurate® Custom Bar Bridge
- Elos Accurate® Hybrid Base™ Engaging
- Elos Accurate® Hybrid Base™ Non-Engaging



3shape 

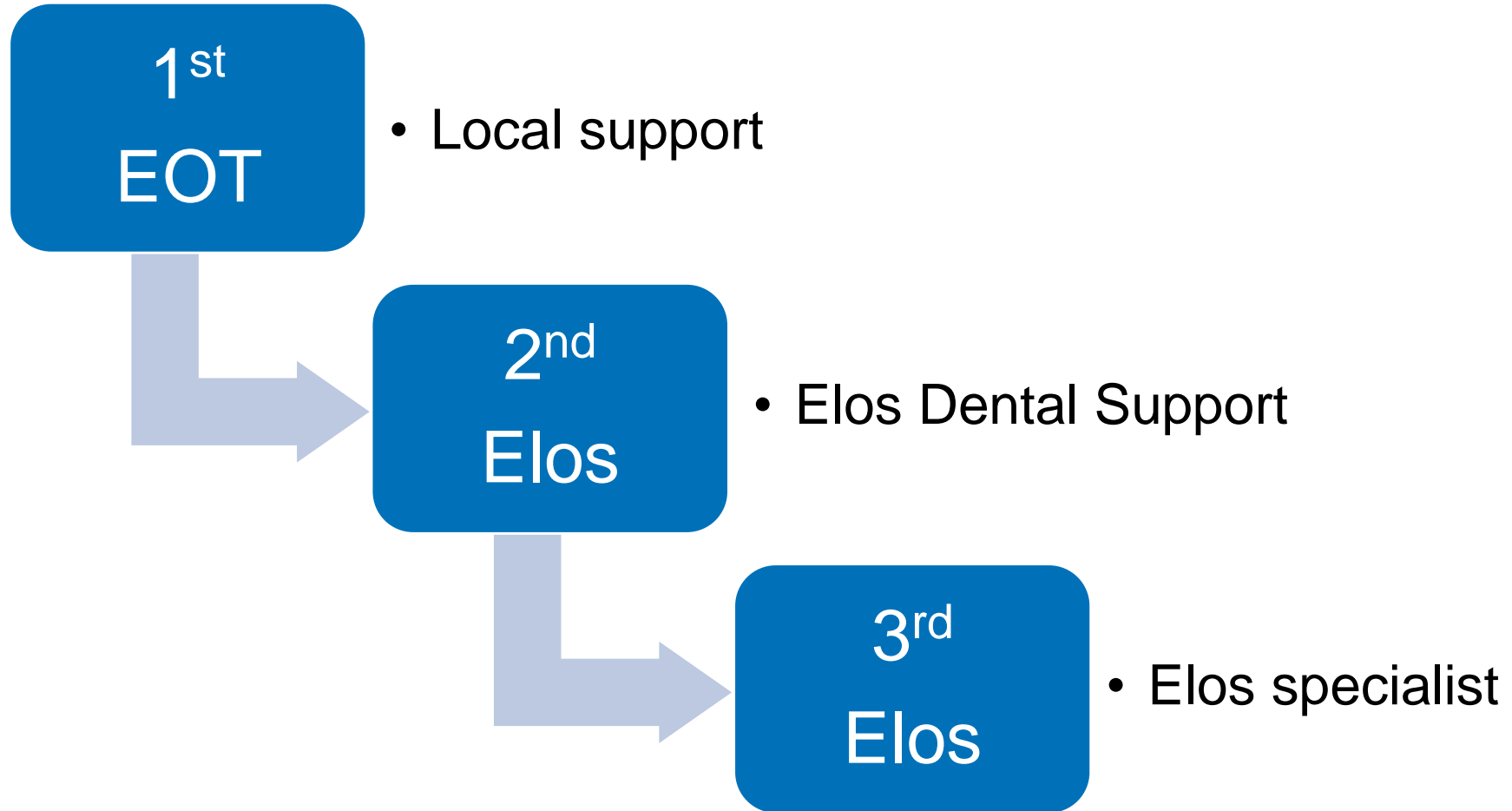
exocad

 dental wings

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## Support training

## Support level



# Support level

<b>Support level:</b>	<b>1<sup>st</sup> level Support:</b>
<b>Handled by:</b>	Elos Distributor/Implant company : 1 <sup>st</sup> line technical support offered by trained personnel to customers in Distributor's geographical territory. (Local Language)
<b>Support Tasks:</b>	<ul style="list-style-type: none"><li>• Basic trouble shooting and resolution across customer issues<ul style="list-style-type: none"><li>- Library level → Installing/removing Elos Libraries</li><li>- Product level → Support on products instructions for use</li></ul></li><li>• Registration of support cases to 2<sup>nd</sup> level</li><li>• Customer complaint registration</li></ul>
<b>Operating hours:</b>	During working hours (exceptions to local holidays etc.)
<b>Channels</b>	Via telephone, e-mail, and/or Team viewer

## Support level - Registration of support cases to 2<sup>nd</sup> level

Support cases should be sent to: [dentalsupport@elosmedtech.com](mailto:dentalsupport@elosmedtech.com)

Support cases submitted to Elos should include information on:

- Description of problem, preferable with screenshots/pictures
- Which CAD software has been used by customer and version
- Which 1<sup>st</sup> line troubleshooting has been conducted
- Case ID number/customer name

# Complaint handling & warranty

- Elos Accurate Guarantee
- Only when ordering via distributor
- In case of a dental implant failure caused by a Elos component, the distributor will reimburse the dental implant according to the guarantee rules of the implant manufacturer

[complaint.pinol@elosmedtech.com](mailto:complaint.pinol@elosmedtech.com)



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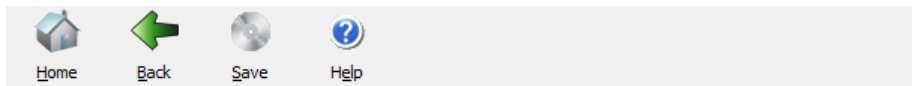
## Library support

# Library Support

## - 3shape installation of libraries

Libraries are available from both Elos and 3shape download center

Step by Step installation guide for installation available



Tools > Download center

Topic:

Download libraries

Please select which libraries you wish to download from FTP:

All <input type="checkbox"/>	Library name	Provider	Library type	Version
<input type="checkbox"/>	Elos Accurate® – Custom Abutment	Elos Medtech	Implant library	8.0.2
<input type="checkbox"/>	Elos Accurate® – Custom Bar Bridge	Elos Medtech	Implant library	8.0.1
<input type="checkbox"/>	Elos Accurate® – Hybrid Base™ Engaging	Elos Medtech	Implant library	8.0.1
<input type="checkbox"/>	Elos Accurate® – Hybrid Base™ Non-Engaging	Elos Medtech	Implant library	8.0.1

- Select the old Elos Accurate libraries by selecting them in the **Implant system** box (Figure 1.) The Elos Accurate libraries are recognizable by the abbreviation in brackets after the implant system name, in this case (HBB).

Abbreviation used in Elos Accurate libraries.

<b>Elos Accurate - Hybrid Base Non-Engaging</b>	HBN/HBB
<b>Elos Accurate - Hybrid Base Engaging</b>	HBE/HB
<b>Elos Accurate - Custom Abutment</b>	CA
<b>Elos Accurate - Custom Bar Bridge</b>	CB

- When all the necessary old Elos Accurate libraries are selected press the **Delete** button. (Figure 2.)

- Empty the Recycle Bin** afterwards. (Figure 3.)



Abutments > Implant systems 1.

Implant system

ELOS - Nobel Replace (HBN/HBB)  
ELOS - Nobel Active/CC (HBN/...  
ELOS - Nobel Multi-unit (HBN/H...  
ELOS - Astra Tech UNI Abutme...  
ELOS - Straumann Bonelevel (...  
ELOS - Straumann Standard (...  
ELOS - Straumann Screw-retai...  
ELOS - Zimmer Screwvent (HB...

+ Add

+ Copy

X Delete

↕ Move up

↕ Move down

Recycle bin

→ No items

↕ Restore all

🗑 Empty the Recycle Bin



# Library Support

## - 3shape Release Notes

Release notes comes with every library release

Contains relevant information of changes, add-on to the version

Included in the .Zip file

The grid contains 10 pages of release notes for the ELOS Accurate Library v8.0.1. The pages cover the following topics:

- Page 1:** Introduction to the release notes for the ELOS Accurate Library v8.0.1, including a table of contents.
- Page 2:** Elos Accurate® Analog for Printed Models - printer guide, featuring an image of a printed model and a printer.
- Page 3:** Choosing IIA or PIA in 3shape, including a screenshot of the software interface for selecting the platform.
- Page 4:** Elos Accurate® ID Scan Body Application, including an image of a scan body and a screenshot of the software interface.
- Page 5:** Elos Accurate® Hybrid Base® Engaging, including an image of a hybrid base and a screenshot of the software interface.
- Page 6:** Elos Accurate® Hybrid Base® Engaging - Angulations, including a table of angulation options.
- Page 7:** Elos Accurate® Hybrid Base® Non-Engaging, including an image of a non-engaging base and a screenshot of the software interface.
- Page 8:** Elos Accurate® Libraries - v8.0.1, including a table of previous naming structures and abbreviations.
- Page 9:** Elos Accurate® Libraries - v8.0.1, including a table of new naming structures and abbreviations.
- Page 10:** Elos Accurate® Libraries - v8.0.1, including a table of new naming structures and abbreviations.

# Library Support

## - 3shape Library Structure

### Selection of restoration type

**Abutment**

**Zirkon**

Category: All items

System: All items

Kit:

- ELOS - Hybrid Base Engaging (HBE)
- ELOS - Custom Bar Bridge (CB)
- ELOS - Custom Abutment (CA)
- ELOS - Hybrid Base Non-Engaging (HBN)
- Dentsply-Sirona Implants

### Selection of system

**Abutment**

**Zirkon**

Category: ELOS - Hybrid Base Engaging (HE)

System: ELOS - Nobel Replace (HBE/HB)

Kit:

- ELOS - Nobel Active/CC (HBE/HB)
- ELOS - AstraTech Osseospeed (HBE/HB)
- ELOS - AstraTech EV (HBE/HB)
- ELOS - Straumann Bonelevel (HBE/HB)
- ELOS - Straumann Standard (HBE/HB)
- ELOS - Zimmer Screwvent (HBE/HB)
- ELOS - Branemark (HBE/HB)
- ELOS - Biomet 3i Certain (HBE/HB)

### Selection of platform

**Abutment**

**Zirkon**

Category: All items

System: ELOS - Nobel Active/CC (CB)

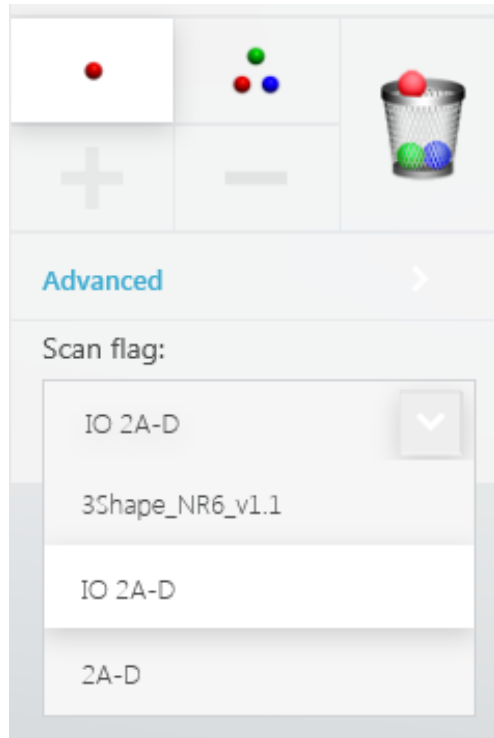
Kit: Active/CC 3.0 (MA)

- Active/CC 4.3 RP (MA)
- Active/CC 3.5 NP (MA)
- Active/CC 6.0 WP (MA)
- Active/CC 3.0 (PMA)
- Active/CC 5.0 RP (PMA)
- Active/CC 4.3 RP (PMA)
- Active/CC 3.5 NP (PMA)
- Active/CC 6.0 WP (PMA)

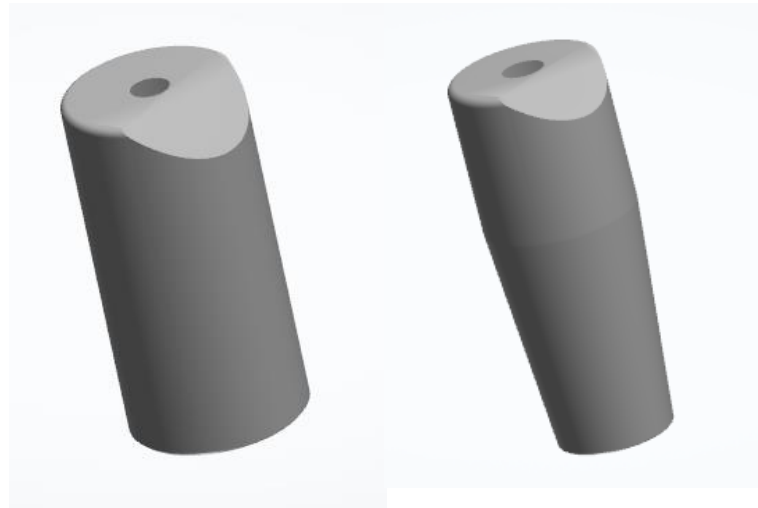
## Library Support

### - 3shape Library Structure

Selection of Scan Body type during alignment phase



All Elos Accurate Scan Body versions are available in libraries



3shape Scan Body is part of Elos Accurate libraries

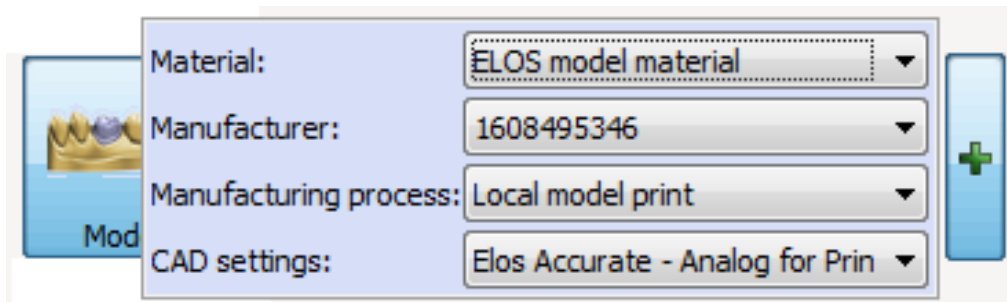


# Library Support

## - 3shape Model Building

Setting up “Analog offset” from printer guide

Using either the model settings from order form, or “Virtual Trimming Preferences” during model building

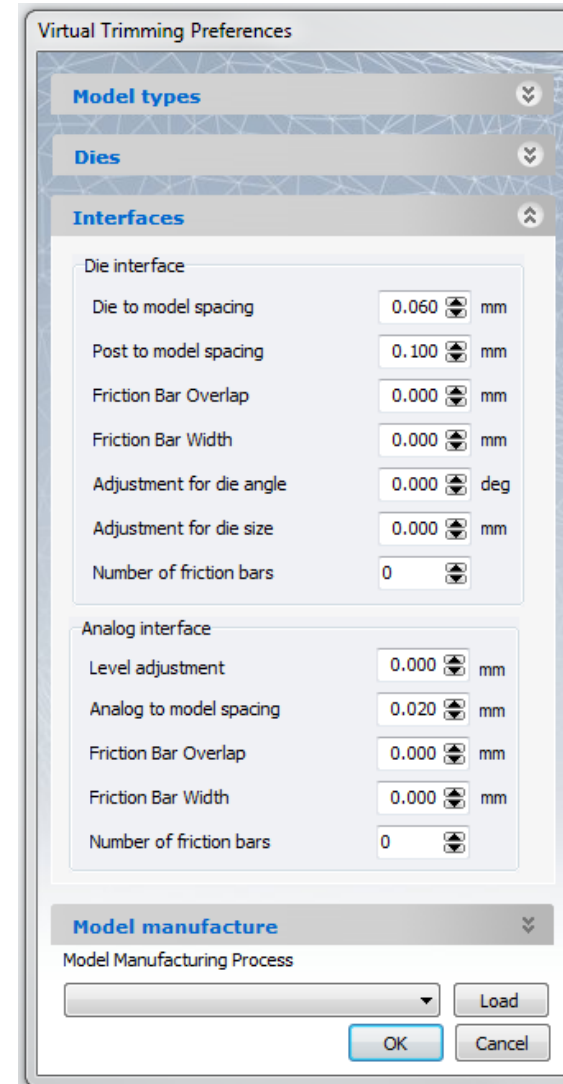


Material: ELOS model material

Manufacturer: 1608495346

Manufacturing process: Local model print

CAD settings: Elos Accurate - Analog for Prin



Virtual Trimming Preferences

Model types

Dies

Interfaces

Die interface

Die to model spacing	0.060 mm
Post to model spacing	0.100 mm
Friction Bar Overlap	0.000 mm
Friction Bar Width	0.000 mm
Adjustment for die angle	0.000 deg
Adjustment for die size	0.000 mm
Number of friction bars	0

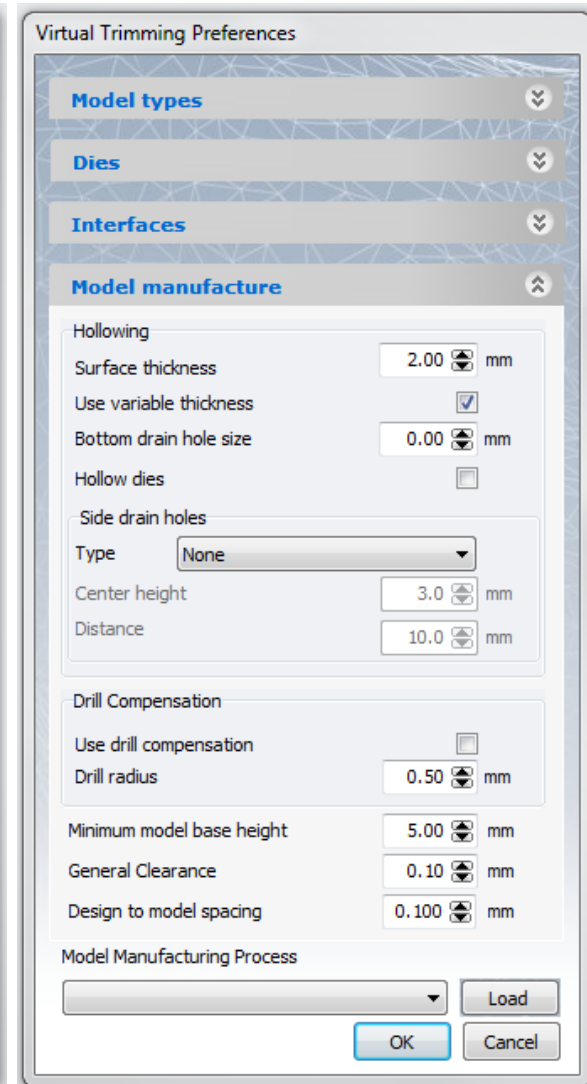
Analog interface

Level adjustment	0.000 mm
Analog to model spacing	0.020 mm
Friction Bar Overlap	0.000 mm
Friction Bar Width	0.000 mm
Number of friction bars	0

Model manufacture

Model Manufacturing Process

OK Cancel



Virtual Trimming Preferences

Model types

Dies

Interfaces

Model manufacture

Hollowing

Surface thickness	2.00 mm
Use variable thickness	<input checked="" type="checkbox"/>
Bottom drain hole size	0.00 mm

Hollow dies

Side drain holes

Type: None

Center height	3.0 mm
Distance	10.0 mm

Drill Compensation

Use drill compensation	<input type="checkbox"/>
Drill radius	0.50 mm

Minimum model base height	5.00 mm
General Clearance	0.10 mm
Design to model spacing	0.100 mm

Model Manufacturing Process

OK Cancel

## Library Support

### - exocad installation of libraries

- Step by Step guide for importing exocad libraries available
- Some users struggle to install libraries by themselves

## Quick guide for importing Elos Accurate<sup>®</sup> Library

# exocad

Elos Accurate<sup>®</sup> Library

June 2019

## Elos Accurate library for Exocad software

Elos Accurate - Custom Abutment - v5.0.0.zip

Elos Accurate - Hybrid Base Engaging - v5.0.1.zip

Elos Accurate - Hybrid Base Non-Engaging - v5.0.0.zip

Elos Accurate - Custom Bar Bridge - v5.0.0.zip

Elos Accurate - Model Analogs - v5.0.0.zip

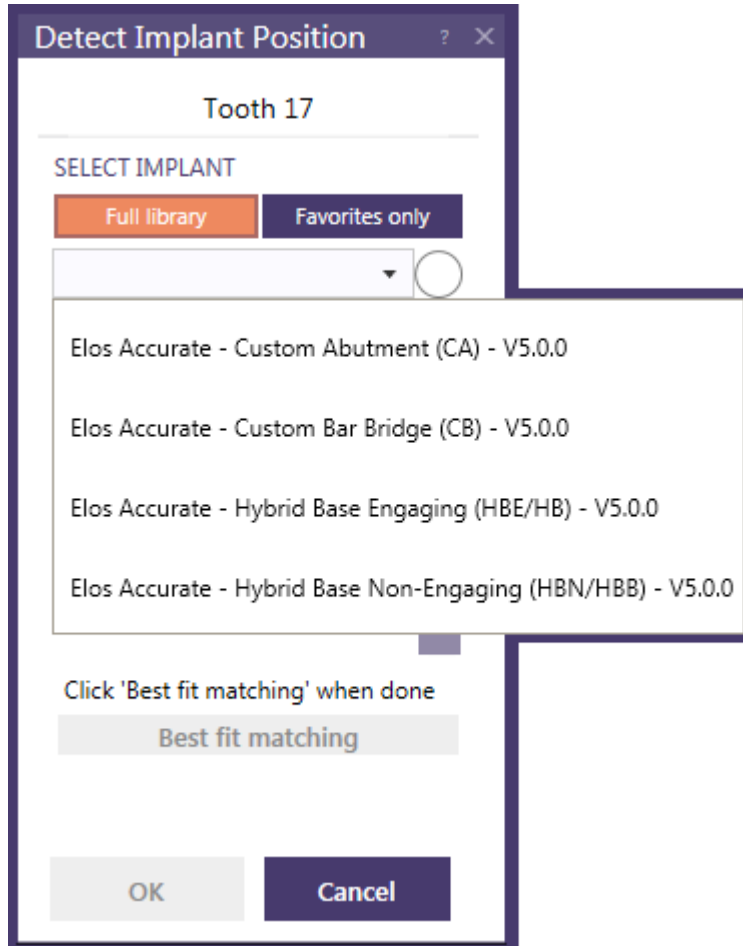
### Content:

- |  |   |
|--|---|
| ▪ Download the latest Elos Accurate <sup>®</sup> Library                     | 2 |
| ▪ Before installing new libraries  | 3 |
| ▪ Importing the Elos Accurate <sup>®</sup> Library in to exocad              | 5 |
| ▪ Importing the Elos Accurate <sup>®</sup> Model Analog Library in to exocad | 7 |

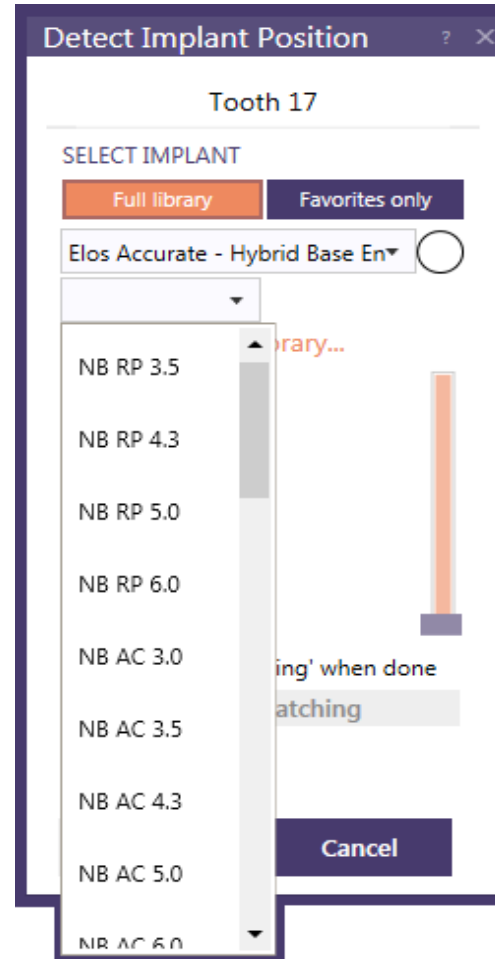
## Library Support

### - exocad Library Structure

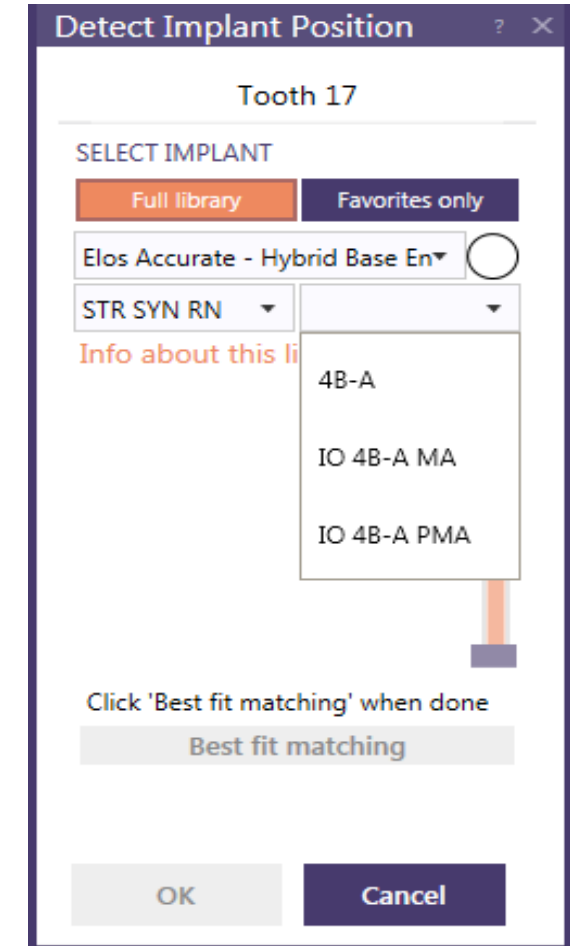
#### Selection of restoration type



#### Selection of system



#### Selection of Scan Body



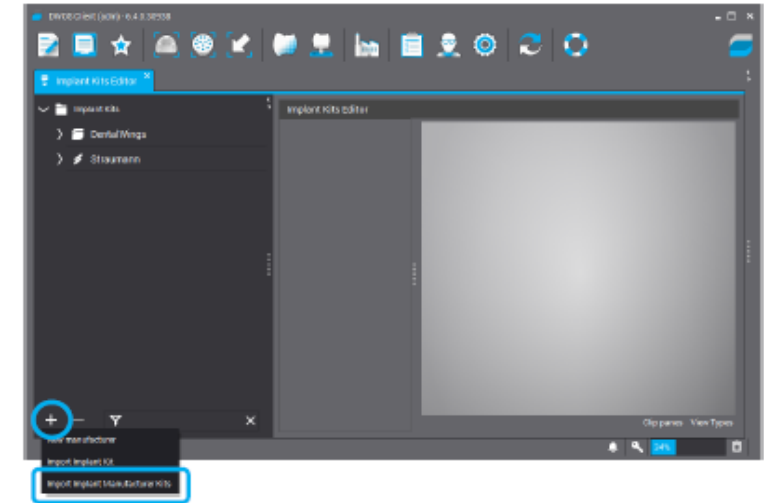
# Library Support

## - Dental Wings

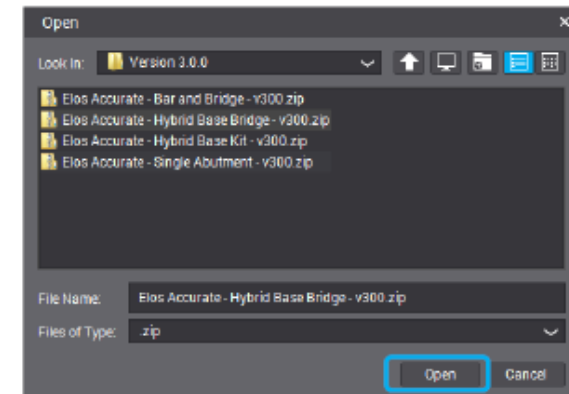
- Dental Wings Libraries not yet updated with Analog for Printed Models
- Step by Step installation guide available

### Importing the Elos Accurate® Library in to DWOS

To install the Elos Accurate® Library in to DWOS simply click on the "Plus" sign in the lower left corner of the DWOS Client, and click on "Import Implant Manufacturer Kits" to import the full library.



A pop-up window appears. Locate the downloaded libraries, and chose the library to install. Press "Open" to begin installation.



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## Product support



# Cementing Elos Accurate® Hybrid Base

- Chemical binding, Self-adhesive
  - Ivoclar Vivadent
    - Multilink® Hybrid Abutment
    - Together with the primer "Monobond® Plus"
  - 3M ESPE
    - RelyX™(ex.RelyX™ Unicem 2 Automix or RelyX™ U200)
  - Kuraray Noritaki Dental inc.
    - Panavia™



- Other techniques & methods
- DCM HotBond from Dental Balance
  - Fusio system



materially bonding of Ti and ZrO<sub>2</sub>

- Fired in the normal ceramic furnace at the laboratory
- Binds the Ti and Zi materials together. Applies on the objects, dry outs before place in the ceramic furnace and to be used at the right temperature from the manufacture.

# Cementing Elos Accurate® Hybrid Base



Ongoing study with Malmö university, Sweden

[Bindningsstyrkan mellan titan exam..pdf](#)

## Material

Zirconia (Y-TZP or transl.)

MFH (Nextdent 3dprint)

PMMA Telio sandblasted

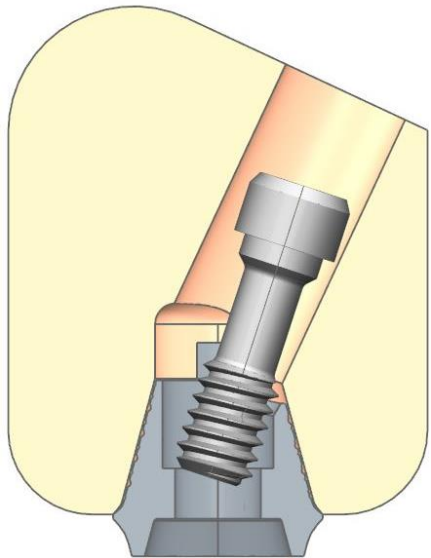
PMMA Telio non-sandblasted

# Product Support - Most common questions

## Angulation of Hybrid Base Non-Engaging

The Hexalobular screw for Hybrid Base Non-Engaging is designed to be removable.

The chart shows how much angulation possible without grinding restoration.

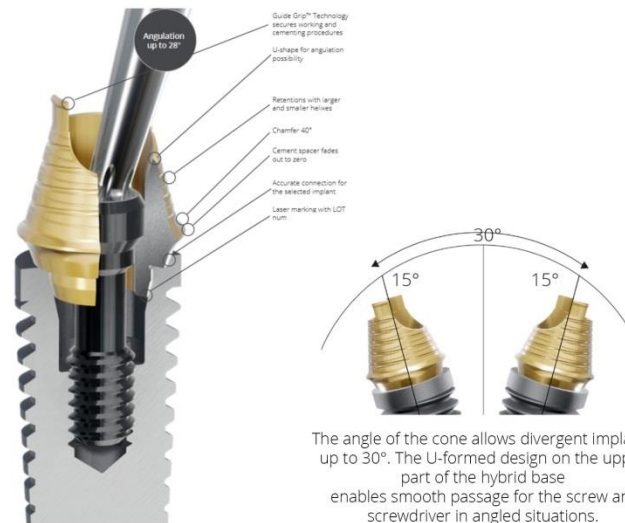


## ANGULATION GUIDE - ELOS ACCURATE® HYBRID BASE™ NON-ENGAGING

### Allows up to 28° screw channel angulation

The hexalobular head of the prosthetic screw allows for working with angled screw channels of the restoration.

If angulation limits are kept (see IFU), the screw can easily be removed and put back into the construction.



The angle of the cone allows divergent implants up to 30°. The U-formed design on the upper part of the hybrid base enables smooth passage for the screw and screwdriver in angled situations.

System	Angle
Nobel Biocare® Active/Conical Connection 3.5 NP	20°
Nobel Biocare® Active/Conical Connection 4.3/5.0 RP	15°
Nobel Biocare® Active/Conical Connection 6.0 WP	20°
Nobel Biocare® Brånemark System® NP	28°
Nobel Biocare® Brånemark System® RP	28°
Nobel Biocare® Brånemark System® WP	28°
Nobel Replace® 3,5 NP	15°
Nobel Replace® 4.3 RP	10°
Nobel Replace® 5,0 WP	10°
Nobel Replace® 6,0	10°
Nobel Biocare® Multi-Unit (MUA) NP/RP	28°
Nobel Biocare® Multi-Unit (MUA) WP	28°
Straumann® Standard RN	28°
Straumann® Standard WN	28°
Screw-retained Abutment for Straumann® Bonelevel 3.5	28°
Screw-retained Abutment for Straumann® Bonelevel 4.6	28°
Straumann® Bone Level NC	28°
Straumann® Bone Level RC	28°
Astra Tech Implant System™ Uni Abutment 20°	28°
Astra Tech Implant System™ Uni Abutment 45°	28°
Astra Tech Implant System™ Uni Abutment EV 33°	28°
Dentsply Ankylos® Balance Base	28°
Zimmer Screw-Vent® 3.5	10°
Zimmer Screw-Vent® 4.5	10°
Zimmer Screw-Vent® 5.7	10°
Camlog® Bar Abutment	28°

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# Product Support - Most common questions

## Angulation of Hybrid Base Engaging

The Hexalobular screw is embedded inside the construction.

The chart shows how much angulation is possible without grinding restoration.



## ANGULATION GUIDE - ELOS ACCURATE® HYBRID BASE™ ENGAGING

### Angulation possibilities up to 28°

The Elos Accurate Hybrid Base Engaging must be combined with a prosthetic screw. If you create a crown with an angulated screw-channel, it must be combined with the hexalobular head screw. For straight screw channels, you can choose to use the Elos prosthetic screw with the same screw head as the implant manufacturer.

The screw is embedded in the construction and cannot be removed. This ensures no loss of screw and a larger angulation.



Elos Accurate® Hybrid Base Engaging	Angle
Nobel Biocare® Active/Conical Connection 3.0	15°
Nobel Biocare® Active/Conical Connection 3.5 NP	15°
Nobel Biocare® Active/Conical Connection 4.3/5.0 RP	15°
Nobel Biocare® Active/Conical Connection 6.0 WP	15°
Nobel Biocare® Brånemark System® NP	28°
Nobel Biocare® Brånemark System® RP	28°
Nobel Biocare® Brånemark System® WP	28°
Nobel Replace® 3.5 NP	25°
Nobel Replace® 4.3 RP	25°
Nobel Replace® 5.0 WP	25°
Nobel Replace® 6.0	25°
Astra Tech Implant System™ OsseoSpeed® TX 3.0	28°
Astra Tech Implant System™ OsseoSpeed® TX 3.5/4.0	20°
Astra Tech Implant System™ OsseoSpeed® TX 4.5/5.0	20°
Astra Tech Implant System™ OsseoSpeed® EV 3.0	15°

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# Product Support - Most common questions

## - List of educational material

- Product and Library overview
- Product catalog 2019
- A truly open digital workflow
- Printer guides
  - Carbon
  - Stratasys
  - RapidShape
  - EnvisionTec
  - NextDent
- Angulation charts HBE/HBN
- Cementation guides
- Step by Step guide - Analog for Printed Models
- Animation videos
  - Elos Accurate HBE Screw retained crown
  - Elos Accurate HBE Screw retained crown with customized abutment
  - Elos Accurate Hybrid Base Engaging
  - Elos Accurate Hybrid Base Non-Engaging
  - Elos Accurate Analog for Printed Models

## **Nobel Active/CC IO & IOSA**

# Nobel Conical Connection and NobelActive® has two scan body versions

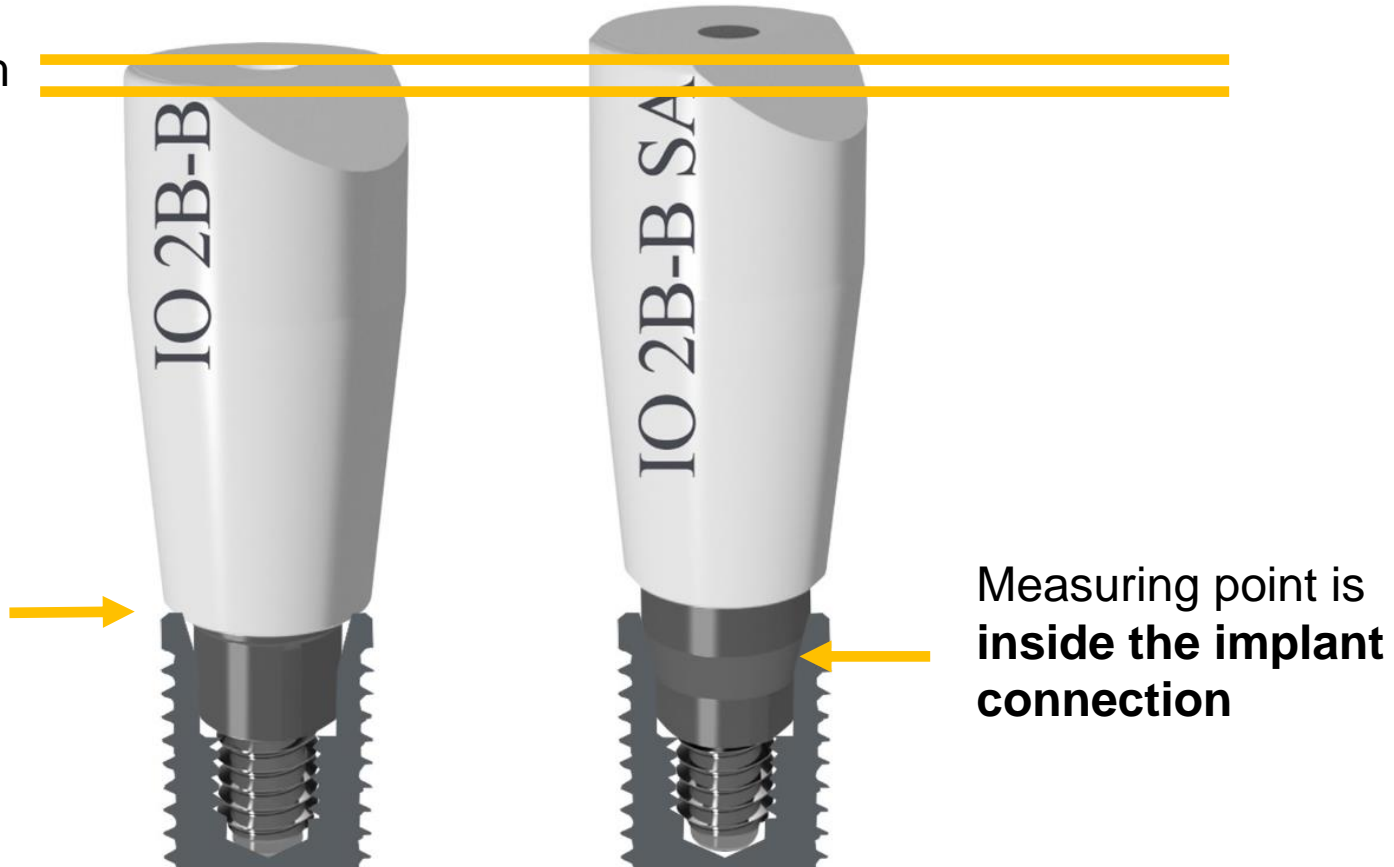
- IO can be used for all types of restorations.
- IO SA can be used for single crowns.
- IO SA can be used for bridges on abutments and on hybrid bases only if the cementation is done in the patients mouth.
- ***Most important is to choose the same version in the library as the scanned physical component.***



# Elos Accurate® Scan Body version IO and IO SA has different measuring points

Height difference 1 mm

Measuring point is the  
implant shoulder





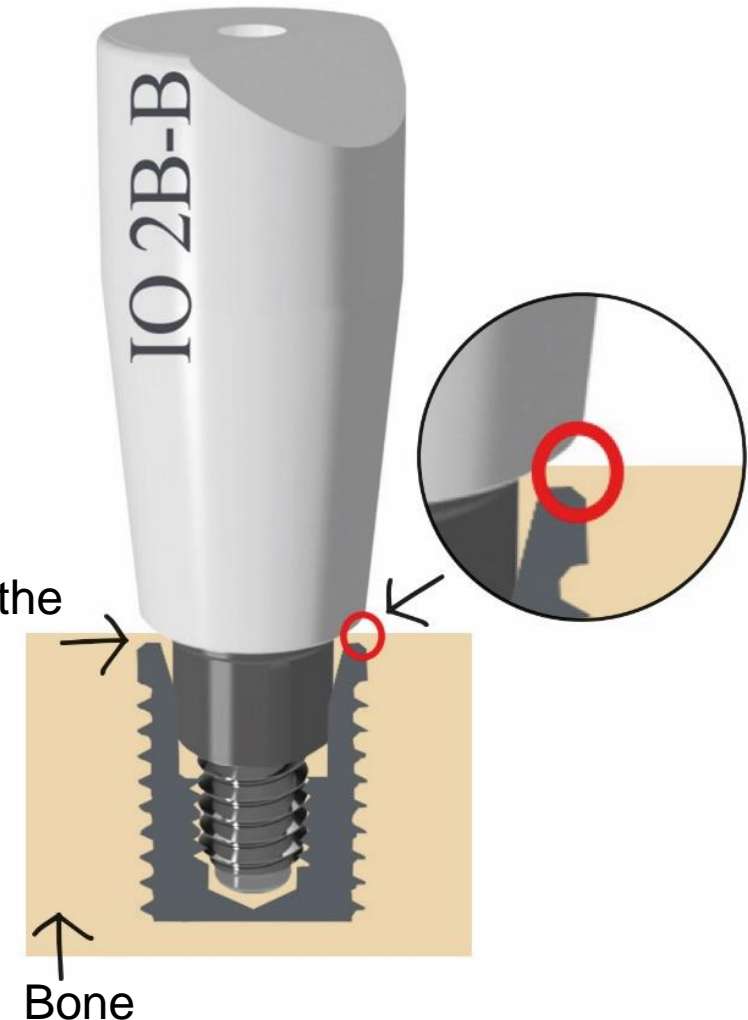
# Elos Accurate® Scan Body version IO

## -Can be used for all restorations

- No restrictions when used at lab
- Intra-orally only when there is no bone overgrowth on the implant shoulder
  - The bone overgrowth prevents the scan body to connect with the implant shoulder and the scanning will be inaccurate

**Dental technicians should always scan on this version!**

Measuring point is the implant shoulder



# Elos Accurate® Scan Body version IO SA

## -Perfect for intra-oral scanning with bone overgrowth

- No restrictions when used for single crowns
- Can be used for cemented bridges on
  - Abutments
  - Hybrid bases
    - *Only if the bridge is cemented in the patients mouth!*

**To be used by dentists only!**

**- Make sure to communicate the choice of SA to the dental technician!**

[021.212\\_Height-difference-between-IO-and-IO-SA.pdf](#)

Measuring point is inside the implant connection



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## Hands-on training



**Elos Accurate integrated solutions through our partnerships**

# 3shape cooperation - Screw Retained Crown TDS/IS

Mark the same location on the scan and the scan flag in the windows below

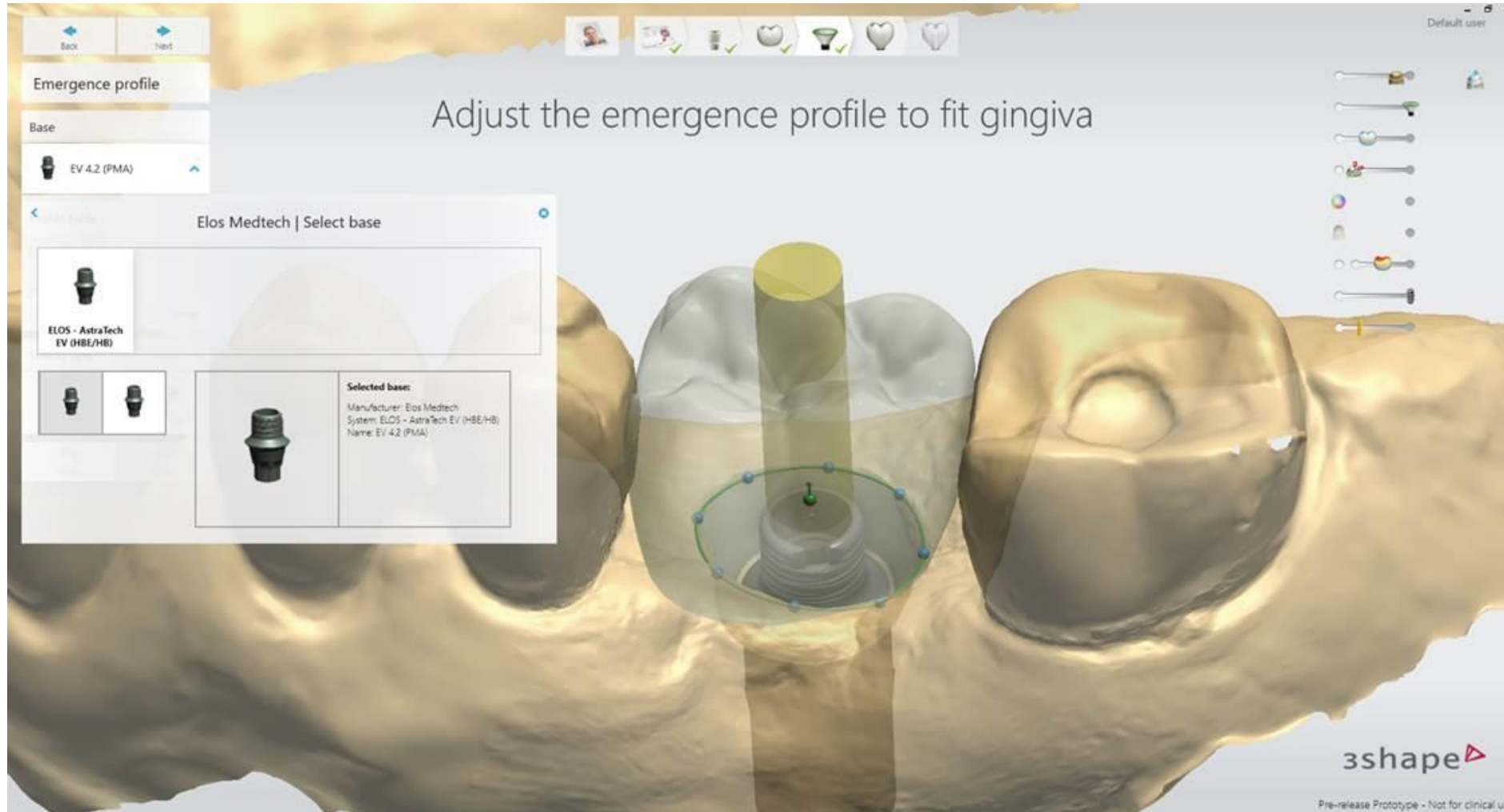
The screenshot displays the 3shape software interface. On the left, there is a sidebar with 'Implant detection' and 'Scan flag' sections. The 'Scan flag' section shows a selected item '3Shape\_NBW\_v1.1'. The main area features a 'Select scan flag' window with a grid of implant options. The selected option is 'ELOS - Branemark (HBE/HB)'. Below the grid, there is a 'Connection' table and a 'Selected scan flag' summary. The main 3D view shows a dental scan with three points marked 1, 2, and 3 on a crown structure.

Connection		
RP	RP	WP

**Selected scan flag:**  
Manufacturer: Elos Medtech  
System: ELOS - Branemark (HBE/HB)  
Connection: Nobel Biocare\_Branemark\_WP  
Name: 3Shape\_NBW\_v1.1

3shape  
Pre-release Prototype - Not for clinical use

# 3shape cooperation - Screw Retained Crown TDS/IS



# 3shape cooperation - Screw Retained Crown TDS/IS

Adjust the emergence profile to fit gingiva

Back Next

Default user  
Jonny Nilsson

Emergence profile

Screw retained crown 8

Base

Bonelevel 4.1RC

Profile tools

Auto

Concave Convex

Switch view

Normal view Profile cut

Undo Redo

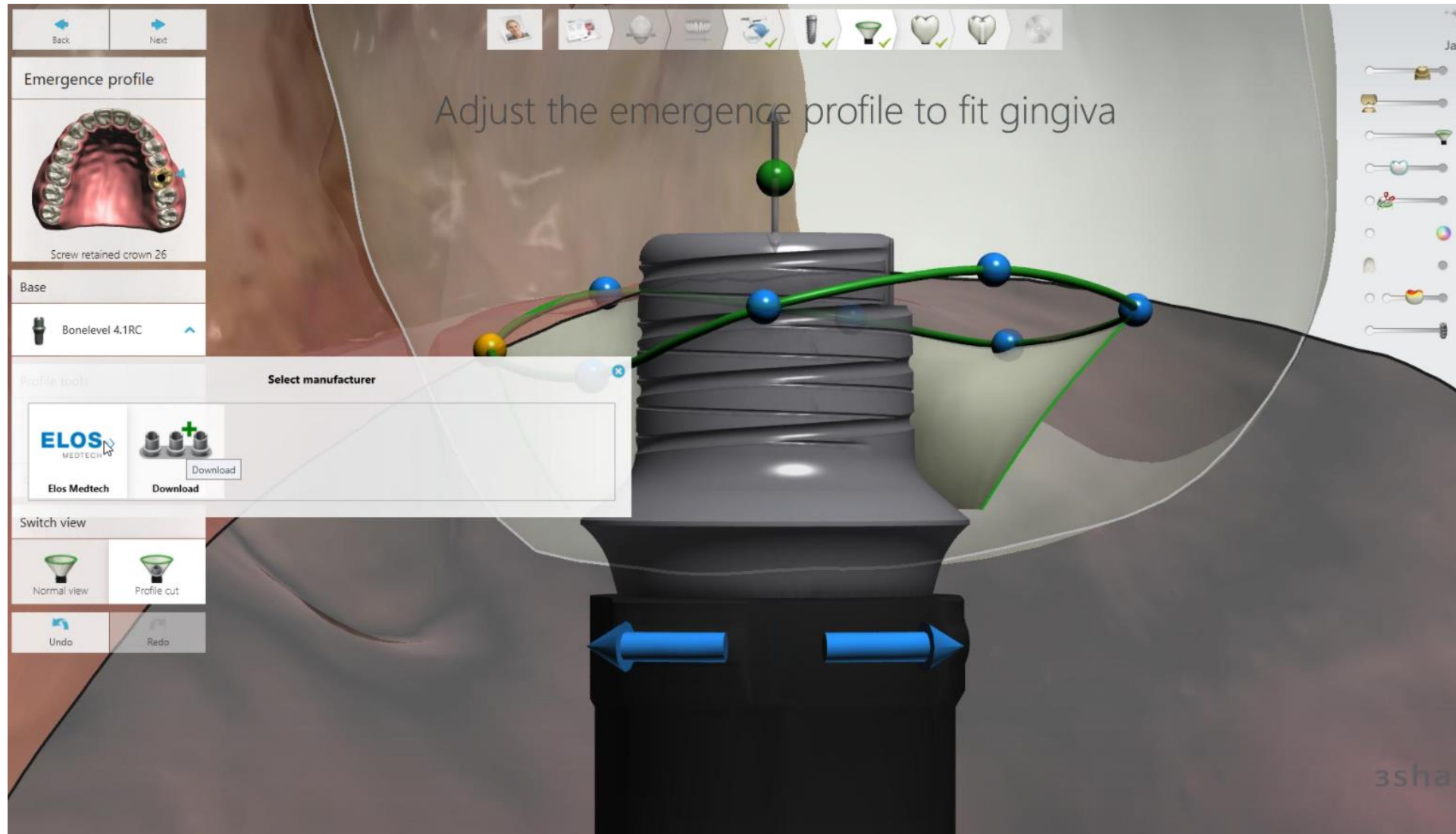
3shape



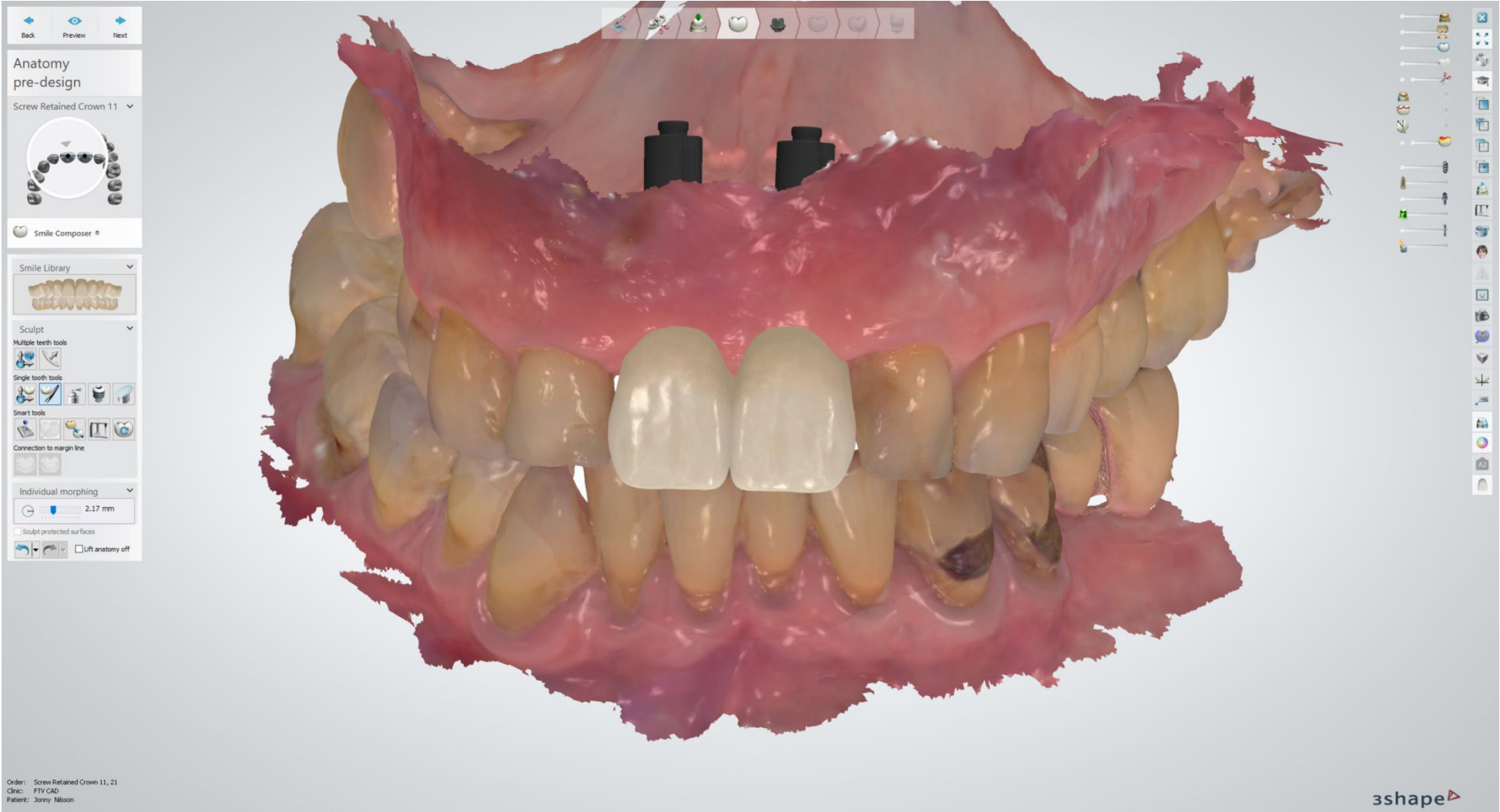
# 3shape cooperation - Screw Retained Crown TDS/IS



# 3shape cooperation - Screw Retained Crown TDS/IS



# 3shape cooperation - Screw Retained Crown TDS/IS



## 3shape cooperation - Screw Retained Crown TDS/IS

- Printed temporary crowns

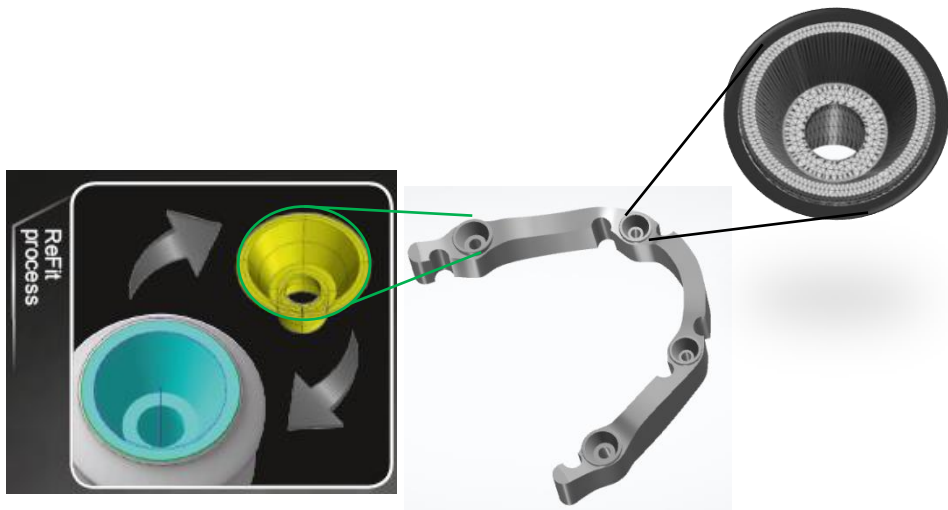


- Printed customized gingiva former



# Imes-Icore Cooperation

- Seamless connection between imes-icore iCAM v5 and Elos Custom Bridge Library
- Fully automated Refit workflow
- Validated and tested by imes-icore



[Refit Flyer A5 EN 27.02.pdf](#)

**Integrated Workflow**

iCAM V5 smart  
Elos Accurate®

Elos Accurate®  
scandody scan

Elos Accurate®  
based CAD design

Refit  
CAM process

Optimized  
milling process

**imes-icore®**  
Competence in CNC & DENTAL-Solutions

**ELOS**  
MEDTECH

**iCAM V5 smart -  
ReFit implant module**

Directly screwed implant-based indications demand the highest operational standard of care and precision in the entire process chain of the CAD/CAM manufacturing process. Reliable CAD/CAM-based production requires an integrated work flow in order to achieve permanent consistent quality and reproducibility.

The highest degree of precision exacts precise coordination of all components in the CAD/CAM process chain from the first to the last step.

imes-icore® cooperates with ELOS Medtech to provide the necessary technology for the integrated work flow for the production of high-quality implant bars and implant bridges.

**ELOS**  
MEDTECH  
Hall 11.2 booth S053

**IDS**  
2019

**imes-icore®**  
Competence in CNC & DENTAL-Solutions  
Hall 4.2 booth G041

**Fully automated Refit workflow**

CAD software exports implant geometries as STL files. The „ReFit“ system automatically exchanges these implant geometries with detailed high-resolution vector connection geometries. Afterwards the milling template is executed which is optimally adapted to the Interface geometry. The process enables high-precision machining and ensures consistent reproducibility.

**Implant package**

The iCAM V5 smart ReFit Implant Module is required. The Elos Accurate® Implant Package contains all available implant geometries from ELOS for the manufacturing of implant-based bridges and bars. The Elos ReFit Implant Module is matched with the Elos Accurate® Custom Bar Bridge CAD library and is compatible with 3shape Dental System® and exocad DentalCAD.

The CAD STL output of the Elos Accurate® library is automatically exchanged with an optimally millable interface geometry in the vector format through the integrated workflow. The best possible result is ensured by using the Elos Accurate® Custom Bar Bridge CAD library, Elos Accurate® IO Scan Body, Elos lab analog and screw.

**Elos Accurate® Custom Bar Bridge compatible implant systems**

- Neoss® Implant System
- Neoss® Access
- Nobel Replace®
- Nobel Biocare® Conical Connection
- Nobel Biocare® Multi-Unit
- Astra Tech™ UniAbutment 20°
- Astra Tech™ UniAbutment 45°
- Astra Tech Implant System™ EV UniAbutment
- Straumann® Bonelevel
- Straumann® Standard Tissue Level
- Straumann® Screw-retained
- Zimmer Screw-Vent®
- Nobel Biocare® Brånemark System®
- Biomet 3i® External Hex
- Biomet 3i® Certain
- Dentsply Xive®
- Dentsply Ankylos® Balance Base
- Camlog®
- Camlog® Bar Abutment

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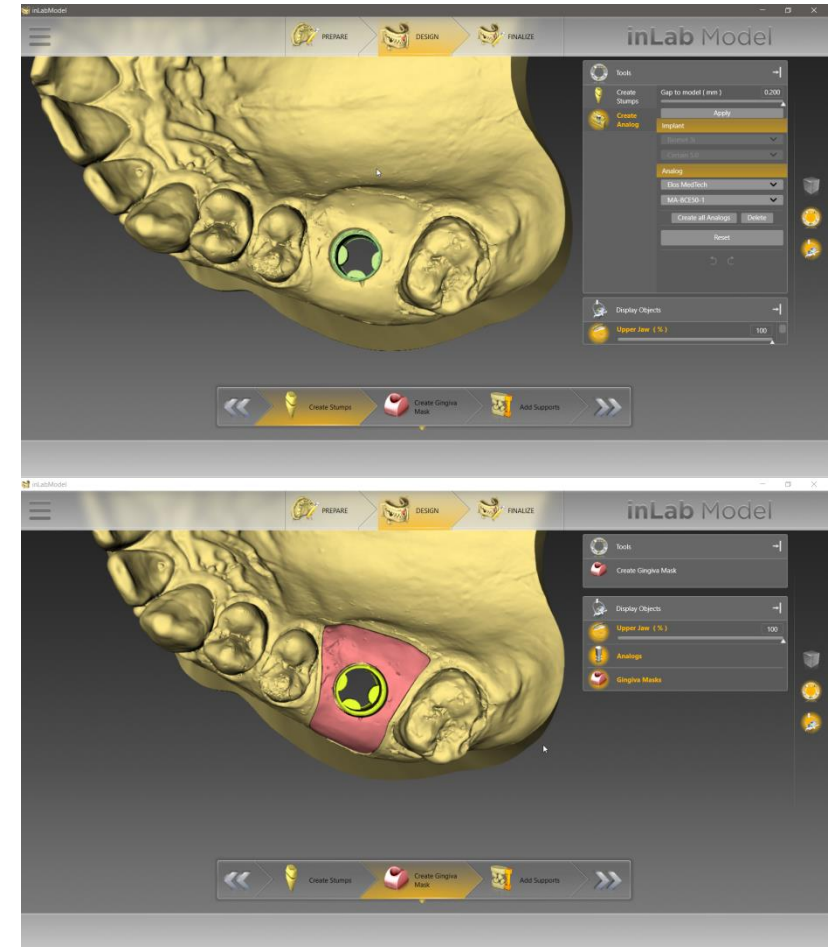
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For further Information visit: [www.imes-icore.de](http://www.imes-icore.de)

# InLab19

- Elos Accurate® Analog for Printed Models is part of Dentsply Sirona inLab software 2019
- All 59 platforms available



# Atlantis workflow

Atlantis®

## Atlantis® Printed Model

- Guideline

### Product description

The Atlantis Printed Model is intended for use as a working model when ordering Atlantis abutments solutions with intraoral scanning and is available for the full Atlantis abutments assortment.

The model, 3D printed in light cured plastic, is always delivered with the following features:

- Pre-installed Elos Accurate Analog Gen. 2 (Fig. 1)
- Removable, translucent soft tissue
- 3-pin positioning of bite orientation of the maxillary and mandibular model
- Pre-made pockets for vertex articulator
  - Vertex articulator is NOT included, but can be ordered at [www.dt-shop.com](http://www.dt-shop.com) (search for "Ceramco Articulator")



Fig. 1