

CONNECTED INSIGHTS

A Truly Open Digital Workflow



Elos Accurate® Open Digital Solutions

What is an Open Digital Workflow?

A truly open digital workflow allows you to make all the choices you need to carry out your work in the best way possible. It does not matter whether you start with a digital impression from an intra-oral scanner or with a conventional rubber impression. You can upload the digital impression directly to your computer software or you can create a plaster model from the rubber impression and scan the model using a lab scanner. In other words, you can work partly or entirely digitally – it is your choice.

All dental components such as scan bodies, model analogs and hybrid bases can be used with all the major dental implant systems.

When designing your dental restoration, you upload the Elos Accurate Library to any of the major CAD software. When you have finished designing your dental restoration and received the STL file, you can open it in any of the major open CAM software. You do not have to invest in different dental components and equipment. This simplifies your entire work process and saves both time and cost.

You are free to choose to mill your dental restoration in-house or at an off-site milling center.

Physical boundaries are erased as digital impressions can be sent across the globe in the blink of an eye. By receiving a digital file, prosthetic constructions can be designed directly in the CAM software before sending it to a 3D-printer or milling machine. This means fewer steps and a minimized risk of error. The possibility of using digital techniques ultimately allows for a faster and more efficient workflow.

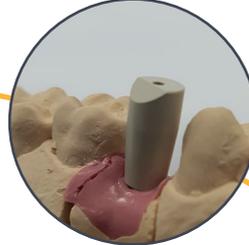
Conventional impression at the dental clinic



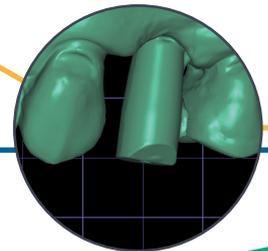
Creation of a plaster model



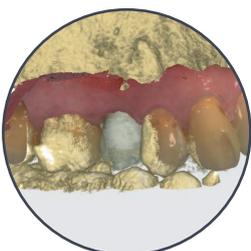
Scanning of the plaster model scanned at the dental laboratory



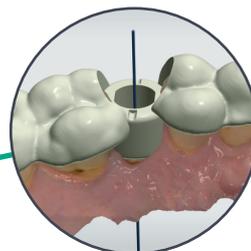
Choice of prosthetics in the software. Import the scan from the clinic or scan the plaster model at the dental laboratory.



Intra-oral scanning at the dental clinic



CBCT and surface scan files, aligned and designed with a virtual crown.



Surgical guide designed by CBCT and surface scan files

3 Reasons to Use Elos Accurate®

Provider of an Open Digital Workflow

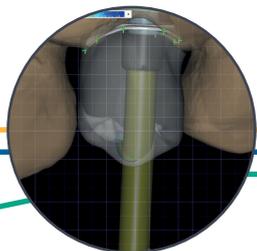
With half a century of innovation and expertise within production of medical devices and over 550 employees at facilities in Europe, the US and Asia, we are committed to meeting your needs. Elos Medtech manufactured the first dental implant and are now a development and production partner for the largest dental implant companies in the world. It is fair to say that Elos Medtech is highly specialized within dental implant dentistry.

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Complete and open for the major implant platforms

Digital workflow solutions for all implant indications

Made for in-house or outsourced production



Design and fabrication of the final or temporary prosthetic restoration

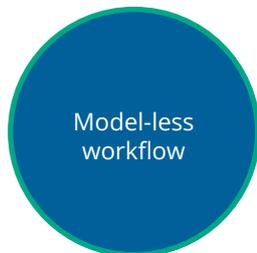
Creation of a printed or milled model



Printed temporary crown



Esthetic results with Elos Accurate product solutions



Milling or printing of the final or temporary prosthetic construction in-house or at a milling center of your choice

Elos Accurate® IO Scan Body

For an Open Digital Workflow

It takes accuracy and precision to create customized dental implant prosthetic constructions. In the digital workflow, the scan body together with the dental library play the leading role in obtaining consistently high precision results.

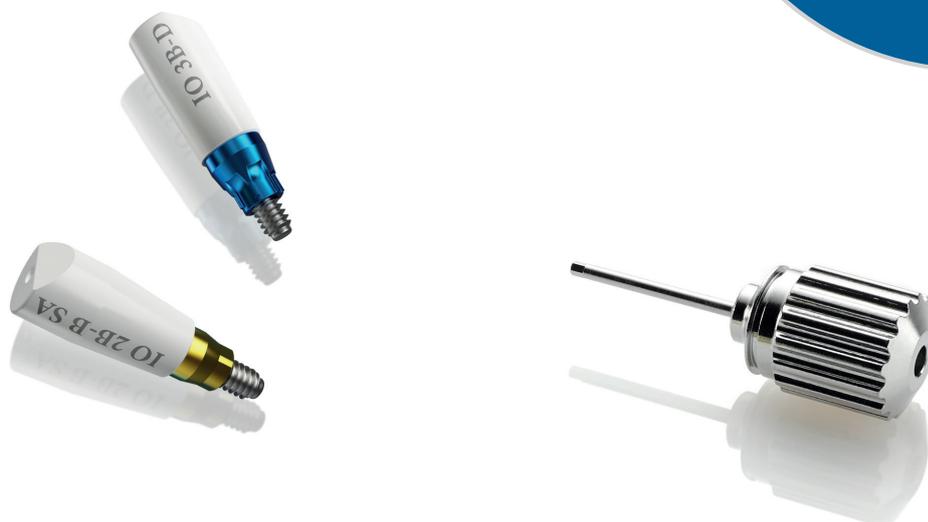
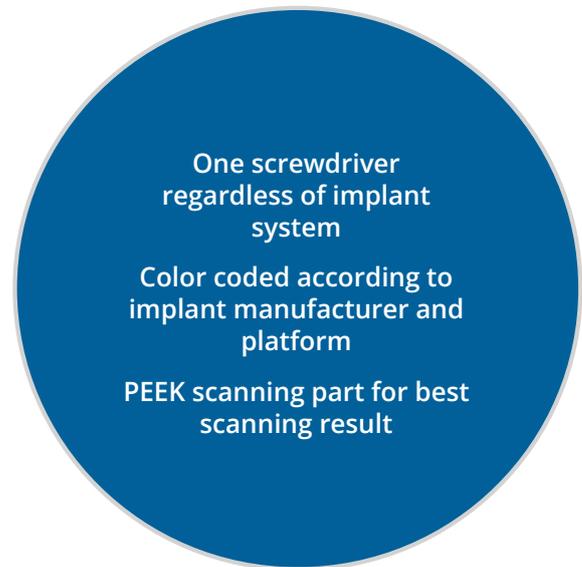
Perform an intra-oral scan or scan the plaster model to enter the open digital workflow

To enter the digital workflow, a scan body is required. The Elos Accurate® IO Scan Body is intended to be placed in the patient's mouth during intra oral scanning or on the plaster model at the dental laboratory. It doesn't matter which scanner is used as long as you can open the scan file in 3shape, exocad or Dental Wings.

The scan body is placed directly on the implant, abutment or analog and is intended to identify the exact X, Y and Z axes in the dental software which specify the correct height, rotation and angular situation.

A scan body is a digital dentistry device that is used by both dentists and dental technicians to identify the exact position, angle and height of a dental implant. It is important to enter the digital workflow directly at the dental clinic or, if a conventional impression is made, by scanning the plaster model at the dental laboratory.

Elos Accurate IO Scan Body is well known and used within the Elos Accurate portfolio as well as by some of the larger implant manufacturers. It is an accurate measuring device and should be treated with care. It is made of two materials that must not be separated.





A truly Open Digital Workflow

Enter the Elos Accurate Open Digital Workflow with the Elos Accurate IO Scan Body. All types of prosthetic choices are kept open.

- ✓ Customized bridges and bars in one-piece
- ✓ Customized single abutments
- ✓ Elos Accurate Hybrid Base Engaging constructions
- ✓ Elos Accurate Hybrid Base Non-Engaging constructions

Elos Accurate[®] Hybrid Base[™] Solutions

For all Prosthetic Implant Solutions

Elos Accurate Hybrid Base Solutions have been developed to reduce complexity and simplify the digital workflow. With Elos Accurate you have the possibility of choosing whether you want to work with intra-oral or conventional impressions as well as whether you want to mill or print the prosthetic construction in-house or at a production center.

Our hybrid bases for all kinds of solutions

Elos Medtech Hybrid Base Solutions include an engaging and a non-engaging hybrid base that gives you a wide range of opportunities to create the prosthetic solution of your choice.

Elos Accurate[®] Hybrid Base[™] Engaging solutions



- Customized abutments for cemented crowns
- Customized abutments for cemented bridges
- Screw-retained crowns

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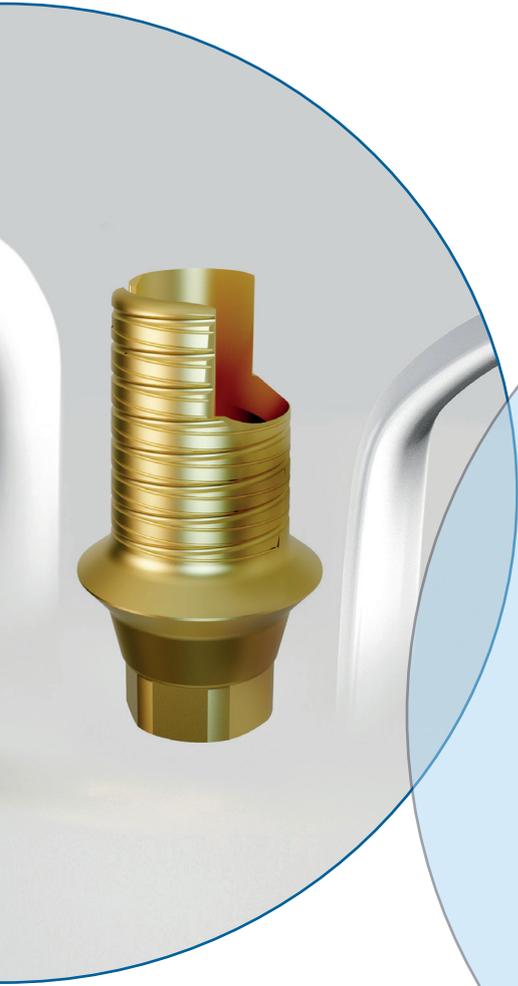
For major implant platforms and your choice of materials

For all prosthetic implant solutions

Simplified digital workflow

Work efficiently with temporary constructions

Working efficiently and safely is important for cost-effectiveness, for your well-being and for your reputation. Thanks to our complete digital workflow, you can take advantage of the design of your temporary construction by duplicating the design to the permanent construction. This process provides extra security as the patient has already accepted the temporary construction. If corrections are made in the temporary construction on the patient, these can be transferred to the original design so that the permanent construction is correct.



Elos Accurate® Hybrid Base™ Non-Engaging solutions



- Screw-retained bridges
- Bar constructions

Elos Accurate[®] Hybrid Base[™] Engaging

With Angulation Possibilities

As the demand from the market increases, both in terms of time and economy, but above all the esthetic outcome, we are constantly striving to adapt the Elos Accurate portfolio. Elos Accurate Hybrid Base Kit was our first titanium base.

The engaging hybrid base now comes in two versions:

- ▶ Elos Accurate[®] Hybrid Base[™] Engaging
- ▶ Elos Accurate[®] Hybrid Base H[™] Engaging

The major difference relates to the higher chimney design of the H-line.

Flexible gingival height

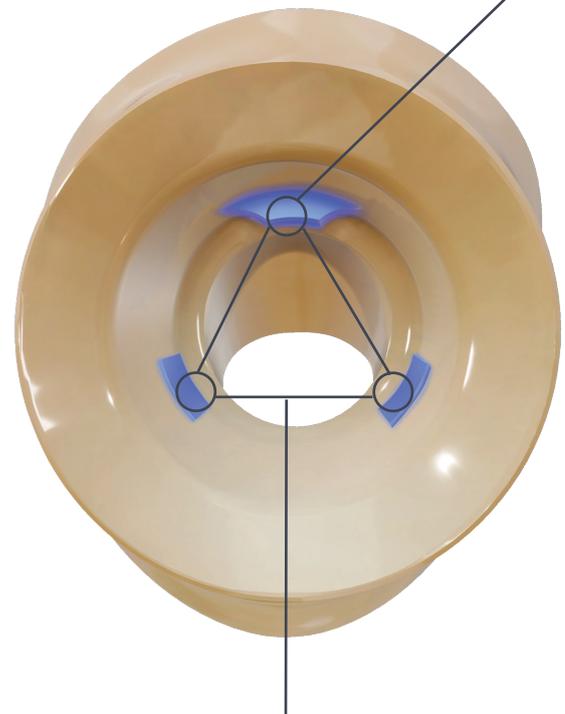
Soft tissue management is a key success factor in achieving the best esthetic outcome. To meet the need of a highly esthetic result, we recommend to using the Elos Accurate Hybrid Base Engaging with a customized inner core – this way you can make a correct emergence profile and adapt the gingival height and color to the specific patient circumstances and achieve the absolute best esthetic result.

One concept for all needs

With Elos Accurate Hybrid Base Engaging, you can create screw-retained as well as cement-retained crowns and bridges for temporary or permanent use.

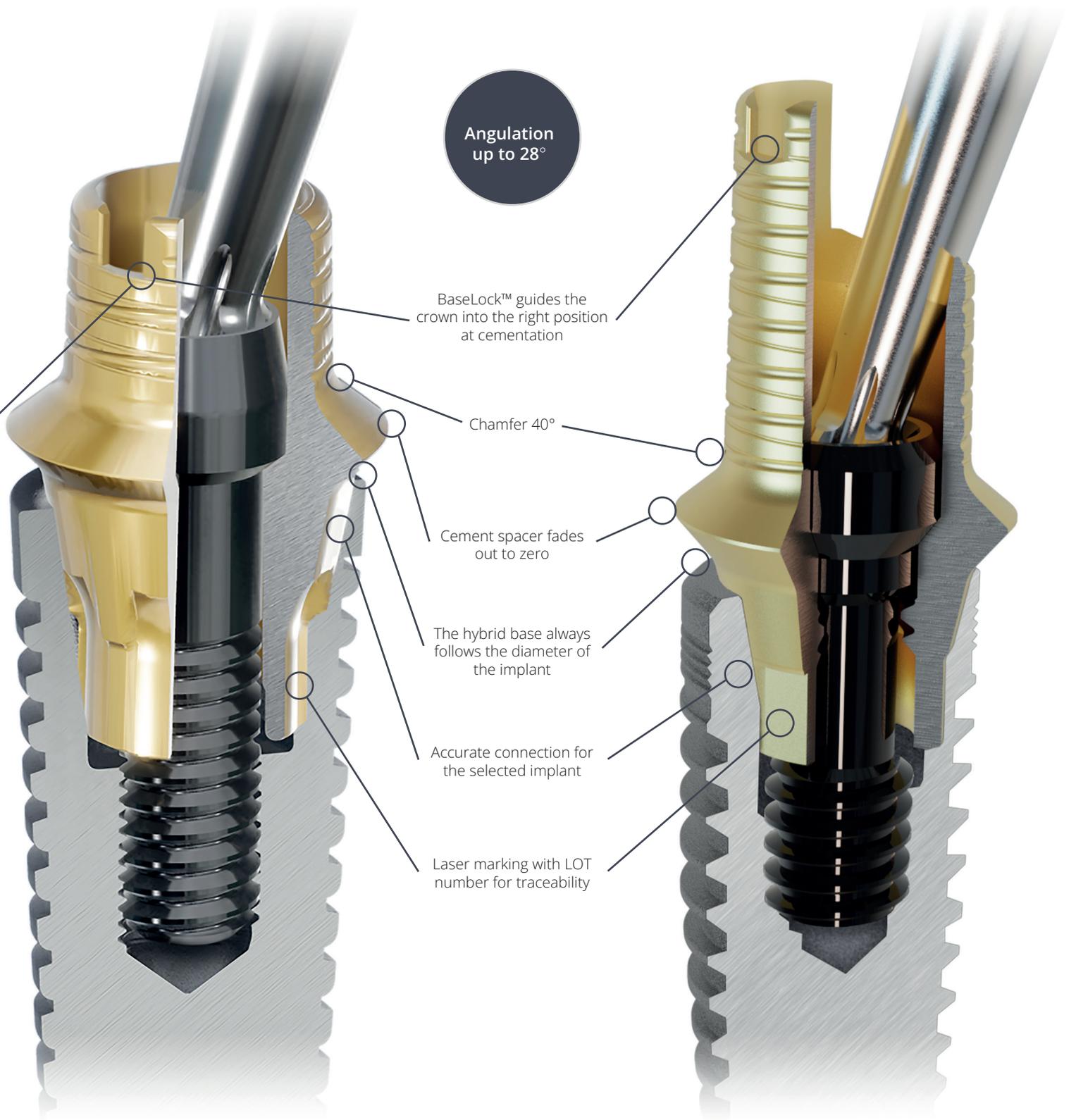
Angulation possibilities up to 28°

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



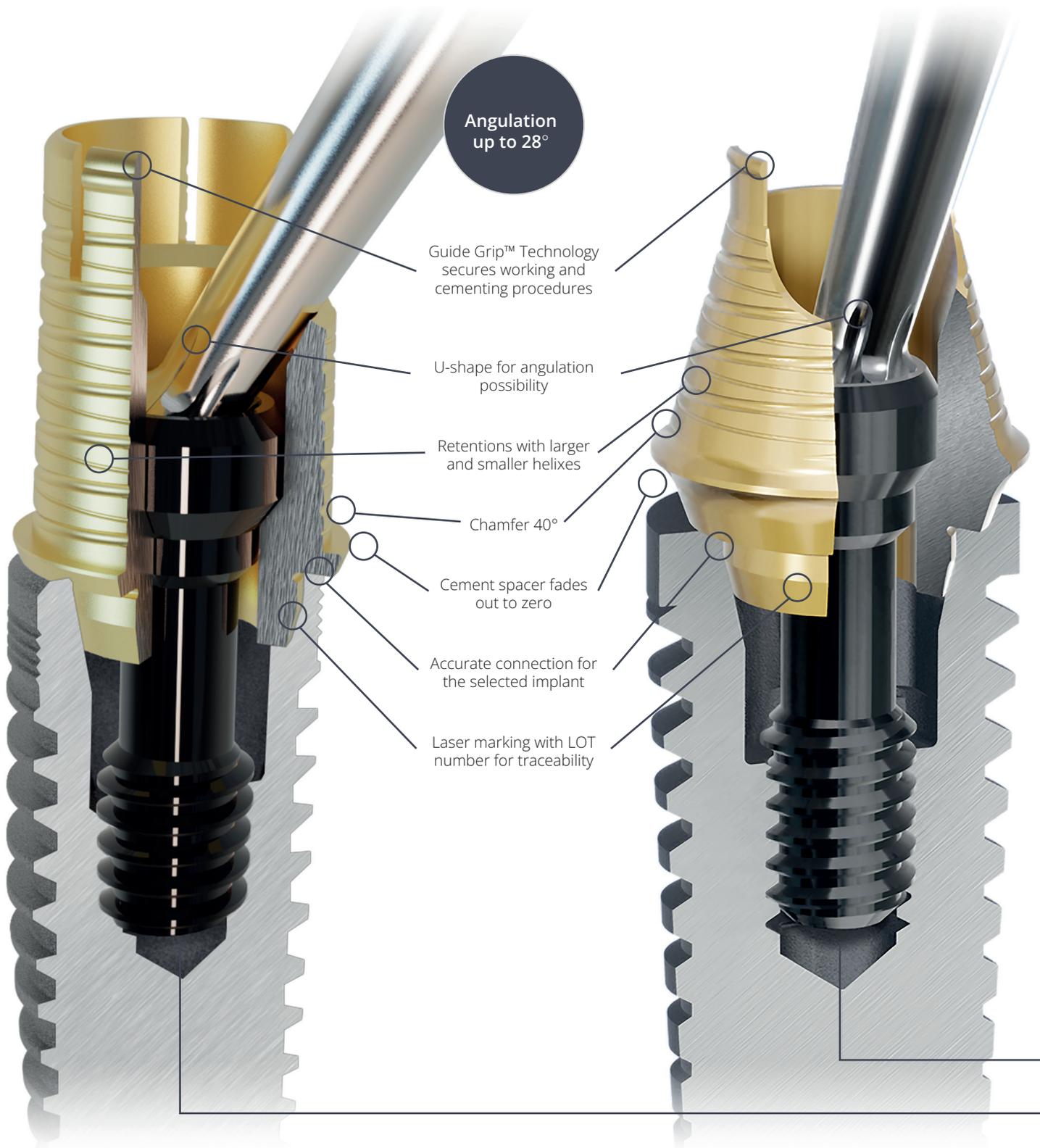
Tripod

Guiding and centering the milled or printed crown at cementation



Elos Accurate® Hybrid Base™ Engaging

Elos Accurate® Hybrid Base H™ Engaging



Elos Accurate® Hybrid Base H™ Non-Engaging

Elos Accurate® Hybrid Base™ Non-Engaging

Elos Accurate[®] Hybrid Base[™] Non-Engaging

With Angulation Possibilities

With our non-engaging hybrid base we offer a complete digital workflow, allowing you to take all the decisions you need.

The non-engaging hybrid base now comes in two versions:

- ▶ Elos Accurate[®] Hybrid Base[™] Non-Engaging
- ▶ Elos Accurate[®] Hybrid Base H[™] Non-Engaging

The major difference relates to the H-version being more cylindrical and slightly higher.

Guide Grip Technology gives benefits

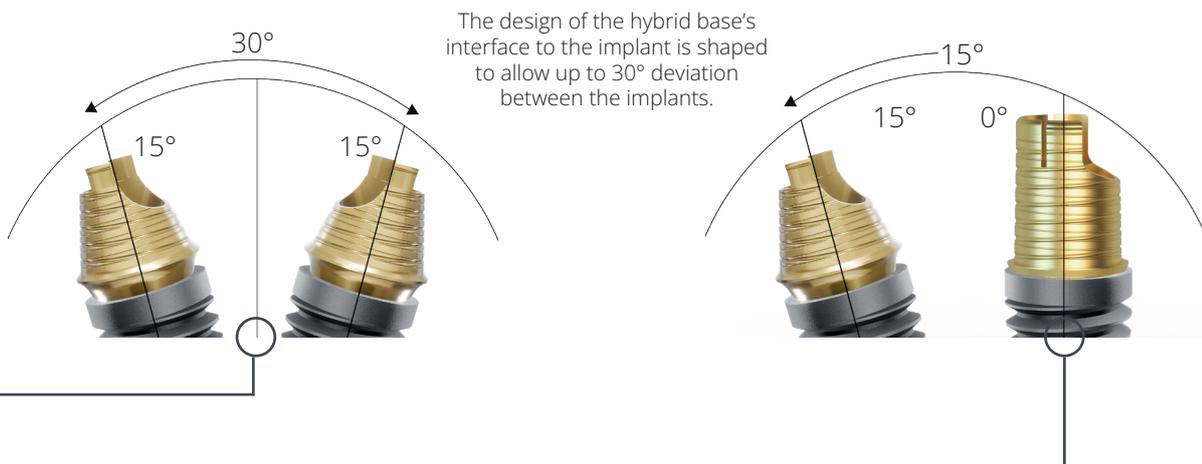
The two antennas called GuideGrip[™] at the top of the hybrid base are characteristic of the Elos Accurate Hybrid Base Non-Engaging.

These are convenient as they clamp the hybrid base into the supraconstruction so that all hybrid bases can be mounted on the model and cemented all at once in the correct position. This is a safe and time-efficient cementing procedure.

If you prefer to do a try-in on the patient, this feature also comes in handy since the supraconstruction will clamp the hybrid bases without the dentist holding on to them or using temporary cement.

Screw channel angulation possibilities up to 28°

An Elos Accurate Hybrid Base Engaging has to be combined with a prosthetic screw. If you create a crown with an angled screw-channel, it should be combined with the screw that has the hexalobular screw head. This screw has the same screwdriver regardless of implant manufacturer or platform. For straight screw channels, you can choose to use the Elos prosthetic screw with the same screw head as the implant manufacturer.



Precision fit

The most important thing when working on multiple implants is a passive and perfect fit between the construction and the implants or abutments. With Elos Accurate Hybrid Base Non-Engaging design features, this is ensured, thanks to the conical shape of the hybrid base and the pre-set cement space in the Elos Accurate Library. The connection design of the hybrid base allows for a maximum of 30 degrees deviation between the implants.

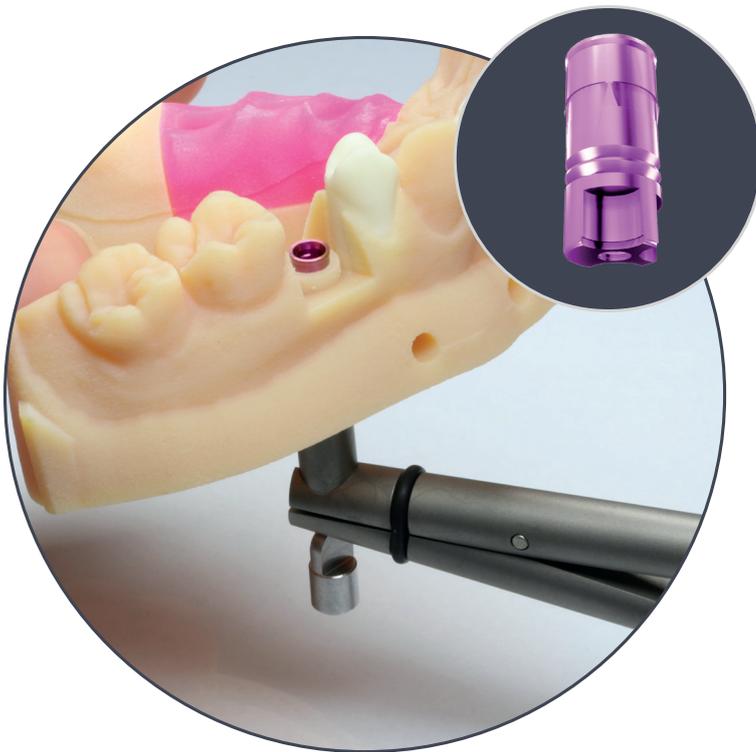
Elos Accurate® Analogs for printed models

To ensure a reliable model

With more and more dental technicians printing their models in-house, the market needs good implant analogs, specifically designed for high accuracy in 3D printed models. That's why we invented the Elos Accurate Analog for Printed Models with features like self-centering installation, no risk of misplacement in the model and with ability to torque the prosthetic screw to 35 Ncm on the model.

An increasing proportion of dental technicians print their models with desktop 3D printers. That's why we have developed Elos Accurate Analog for Printed Models, specifically designed to allow for larger tolerances in the models. These analogs are characterized by the insertion method of being pulled down from the underside of the model, using the Elos Accurate Analog Insertion Pin and the Elos Accurate Analog Pliers.

Analogs are available for the major implant platforms and color coded according to the implant system.

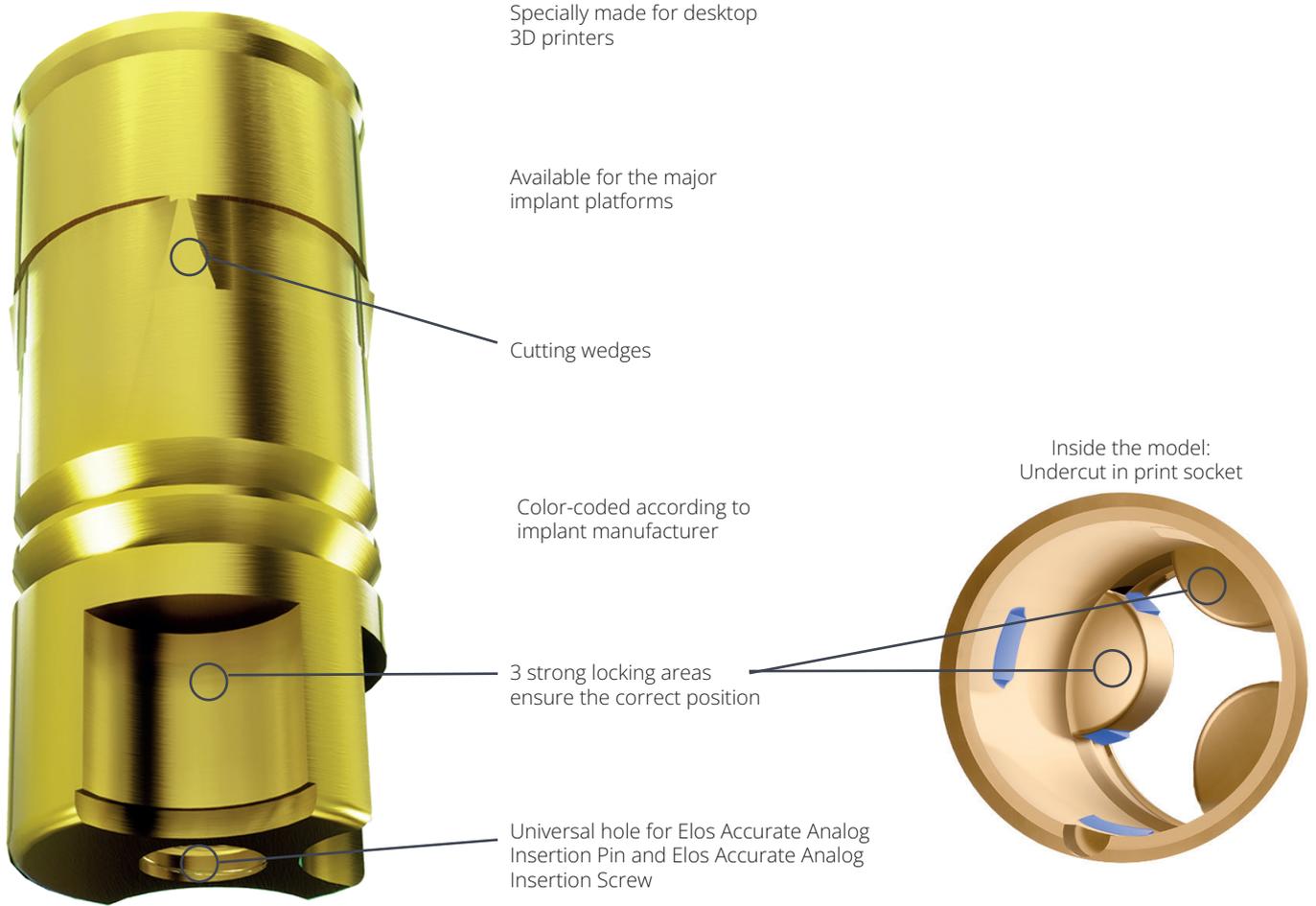


Elos Accurate Analog for Printed Models (PMA)

- Precise height installation
- Secure press-fit in the model
- One insertion position — always correct!
- Automatically centered
- Complete with installation tools — one set for all platforms

Elos Accurate® Analog for Printed Models

Precision-fit in the printed model



One tool set for all platforms: Elos Accurate Analog Insertion Pin, Pliers and Screw

“One of the many reasons we use Elos for our implant solutions is because of the versatility of the product line. Besides, the ability to work with all implant systems from a customized perspective, which is unmatched in the market”



Phil Brisebois, Founder at Gravidée Dental Studio, Hollywood

Elos Accurate® Library

Key of the Open Digital Workflow

The meaning of an open library is that you as a dentist or dental technician have all choices available.

The digital impression can be uploaded directly to your computer software, or a plaster model can be created from the rubber impression and scanned with a lab scanner. In other words, you can work partly or entirely digitally — it is your choice.

How to use the Elos Accurate open library structure

The library structure is open and contains all relevant CAD/CAM parts for 3Shape, Dental Wings and exocad software.

The complete library contains: scan bodies, hybrid bases, prosthetic screws, analogs and pre-milled blanks. With these components you are free to design engaging or non-engaging, fixed or removable, restorations for temporary or permanent use in a material of your choice.

All parameters such as cement gap, height, maximum angulation, etc. are preset in the Elos Accurate Library. It is therefore important to always use our corresponding library for the product you are working with.

Updates in Elos Accurate Library are always tested before being placed on the market. Before new products are launched, there is always a library update with relevant CAD/CAM parts. We therefore recommend that you always use the latest version of the library.

Available Elos Accurate libraries

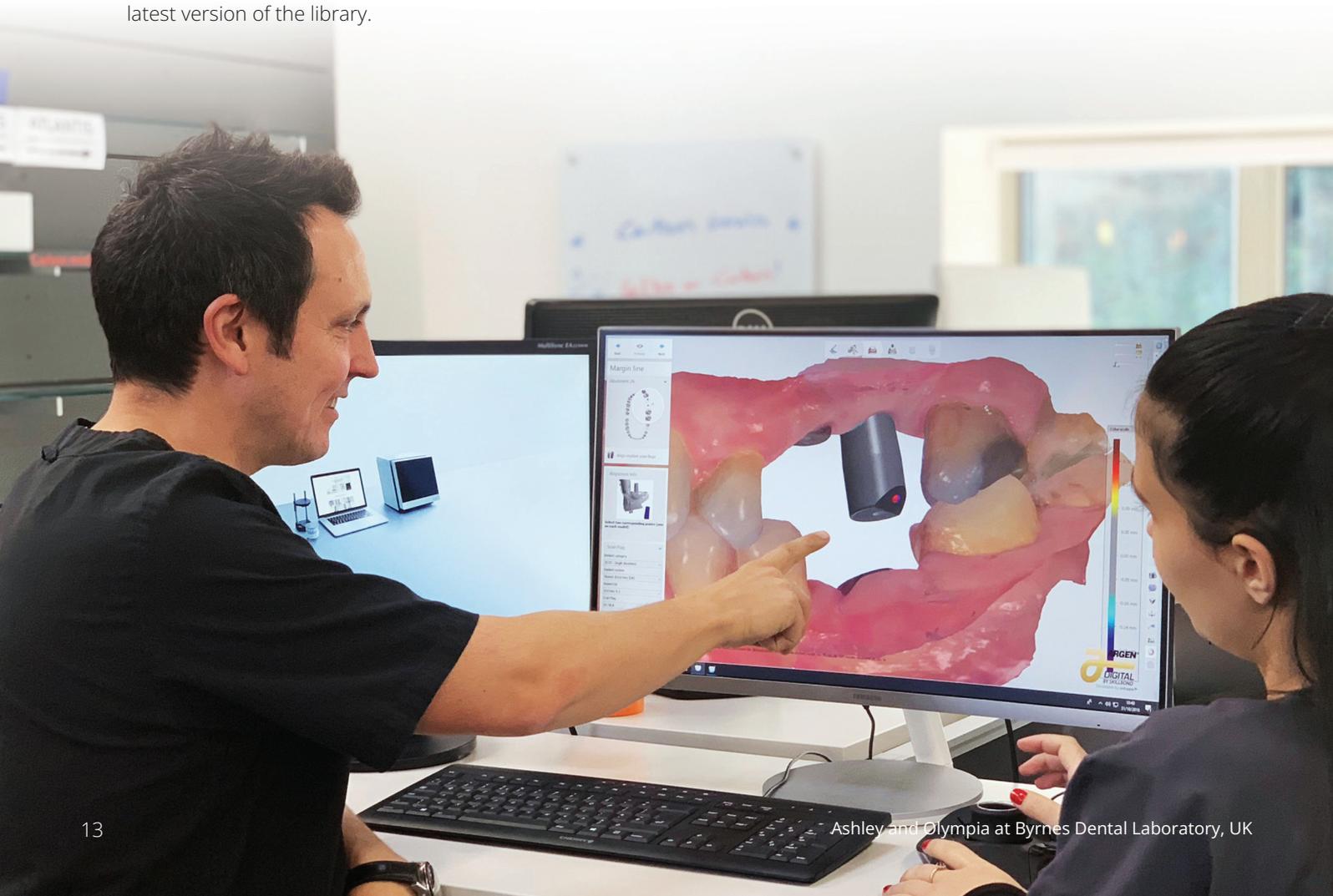
Elos Accurate® Custom Abutment Library is used for milled customized abutments using the Elos Abutment Blanks.

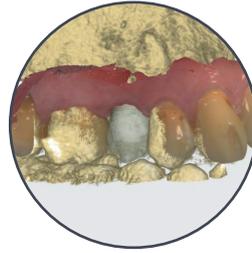
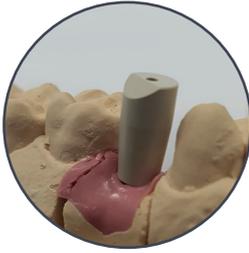
Elos Accurate® Custom Bar Bridge Library is used for creating bridges and bars in one-piece and includes the implant connection geometries.

Elos Accurate® Hybrid Base Engaging Library is used for Elos Accurate Hybrid Base Engaging, which is intended for screw-retained single or small cement-retained bridge restorations.

Elos Accurate® Hybrid Base Non-Engaging Library is used for Elos Accurate Hybrid Base Non-Engaging, which is intended for screw-retained bridge restorations and bar restorations.

The libraries are free to download. For further instructions see our website: elosdental.com.





Input

Files from lab scanning, intra-oral scanning or CBCT and surface scanning

Elos Accurate Hybrid Base Non-Engaging

HBN (Elos Accurate Hybrid Base Non-Engaging)



Elos Accurate Hybrid Base Engaging

HBE (Elos Accurate Hybrid Base Engaging)



Elos Accurate Custom Bar Bridge

CB



Elos Accurate Custom Abutment

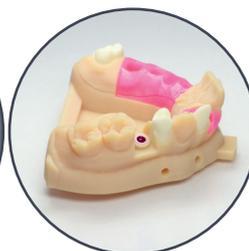
CA



CAM output

3D printed or milled restorations and models

STL file for in-house or outsourced production



Extensive know-how for almost a century

Elos Medtech was founded in 1923 in Sweden and is a leading development and production partner for the medtech industry. We offer innovative turnkey solutions, from concept to finished product, and have extensive experience of product development, design of dental implants, orthopedic products and medical device instruments. In the dental field, we offer both standard prosthetic components and solutions for digital dentistry, always with uncompromising focus on quality and advance expertise.

Our products are subject to continuous development. Therefore we reserve the right to make changes.
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