

mis[®] | MCENTER
On the Cutting Edge of Digital Implant Dentistry

mis[®]
MAKE IT SIMPLE



P.4-5

P.6-15

P.17-27

P.28-35

P.36-37

MIS Warranty:

MIS exercises great care and effort in maintaining the superior quality of its products. All MIS products are guaranteed to be free from defects in material and workmanship. However, should a customer find fault with any MIS product after using it according to the directions, the defective product will be replaced.

Warning: Products should be used by licensed dentists only.



Table of contents.

Introduction.

MSOFT - Virtual Implant Planning Software.

MGUIDE - 3D Printing Template & Surgical Set.

MLAB (CAD/CAM) - Temporary Prosthetic Solutions.

Webinars - Online MGUIDE System Training.

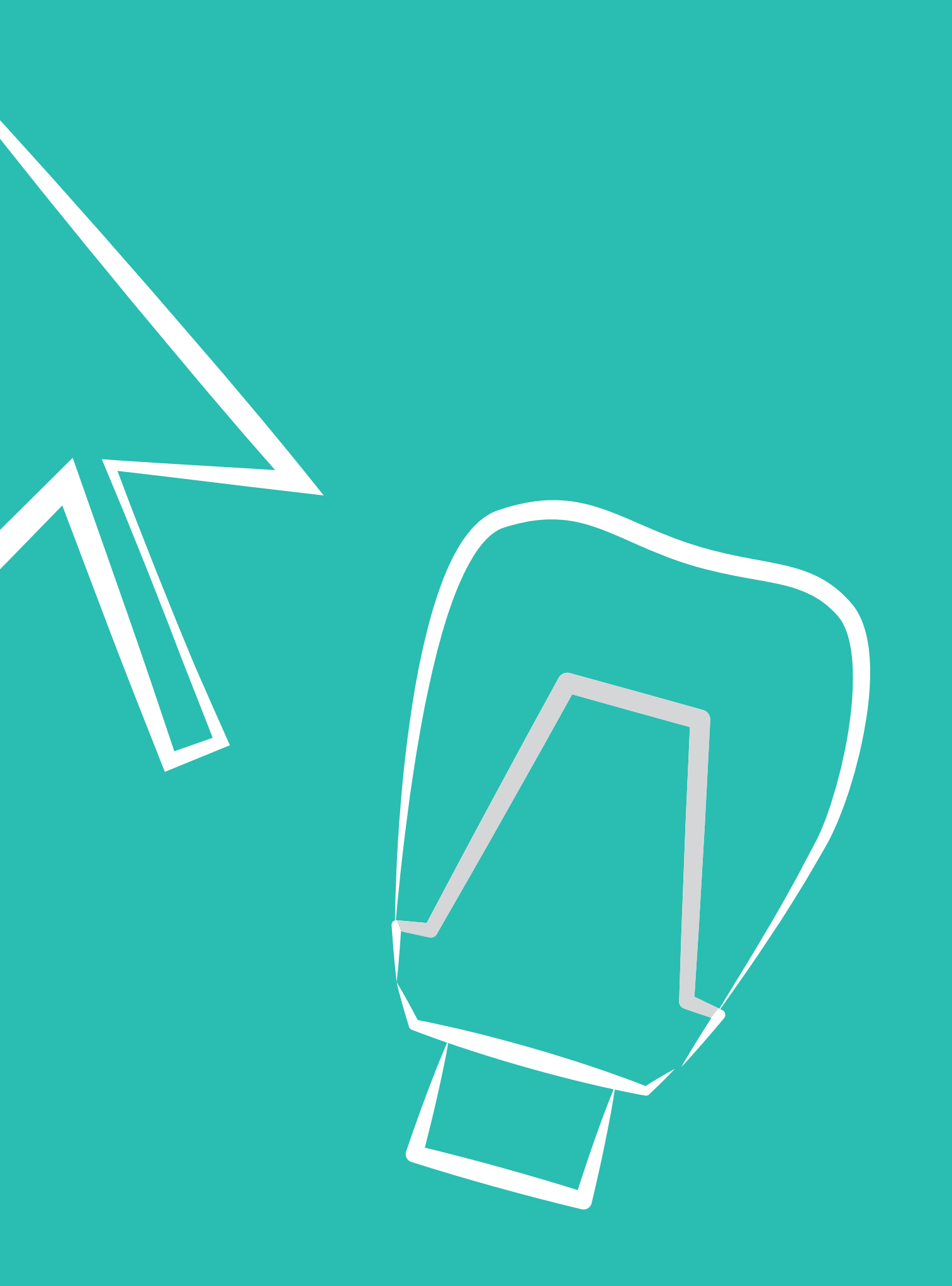
4.

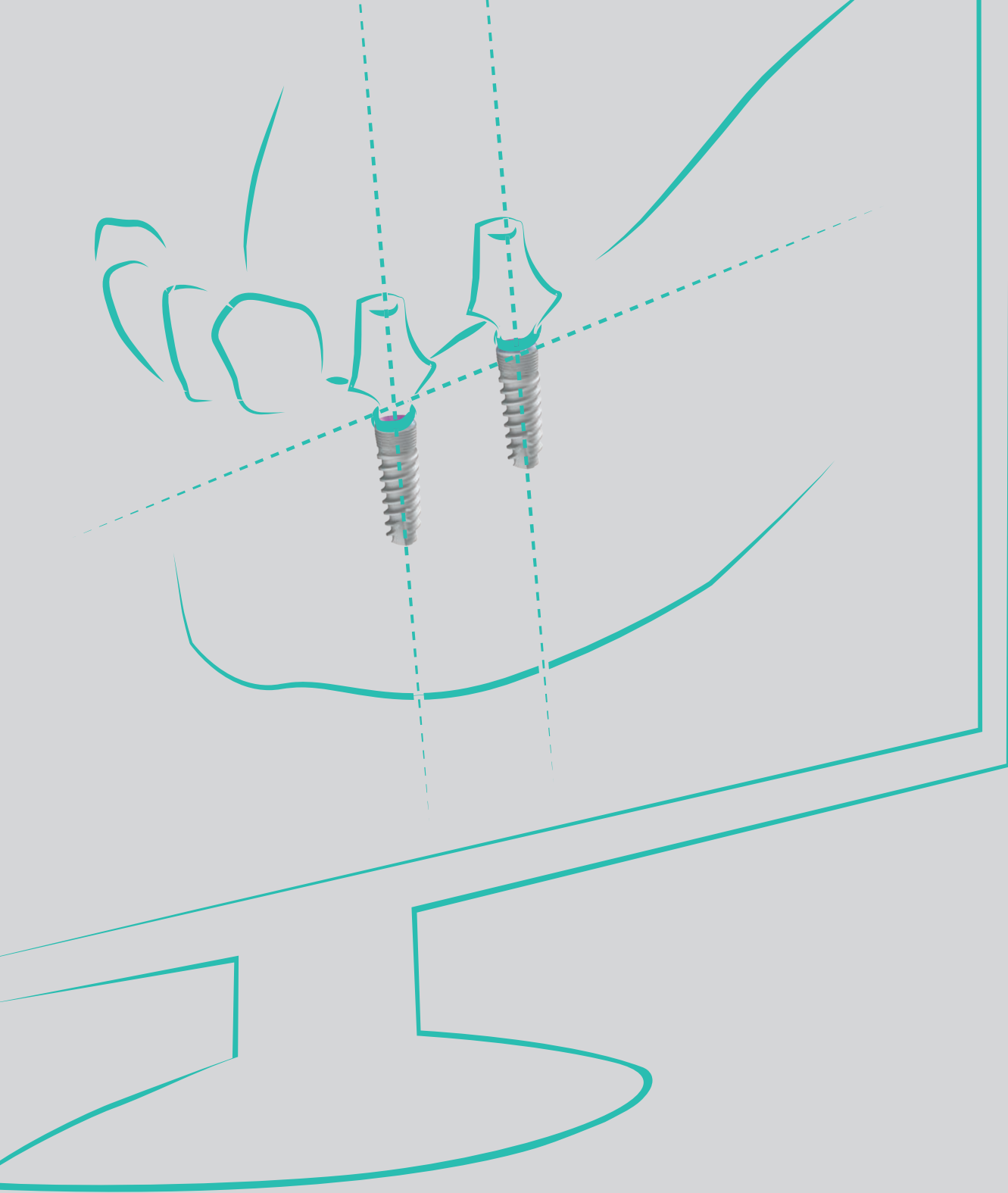
More than ever before, doctors are taking advantage of virtual implant planning and guided surgery in their everyday practices. MIS MCENTER facilities offer a wide range of quality digital dentistry services to assist doctors around the world in increasing both the efficacy and quality of the treatments they can offer their patients.



© MIS Corporation. All rights reserved.







mis[®] | VSOFT

Software.

The MSOFT program creates a highly accurate preliminary implant placement plan, taking all aspects of the patient anatomy into consideration. A precision guided surgical template is then designed right in the software.

Flexible prosthetic-driven planning can be done either by the clinician, using our simplified MSOFT program, or through our worldwide network of MCENTERs, providing technical support and guidance.

MSOFT also acts as an online information hub connecting all software users; doctors, dental labs, periodontists, prosthodontists and the MCENTER in order to share cases and take part in demonstrations, discussions or consultations.

The MSOFT virtual planning process is documented and stored on the Cloud for future reference.

3D Planning.



DIAGNOSTICS

Using the MSOFT, the clinician is able to see through bone to detect structures or flaws that can impact drilling and implant placement. Implants may be more accurately placed according to depth, position and angulation in relation to the desired prosthetic solution. The software enables the clinician to determine the most suitable abutment type according to gingival and prosthetic heights, as well as angulation of the abutment.



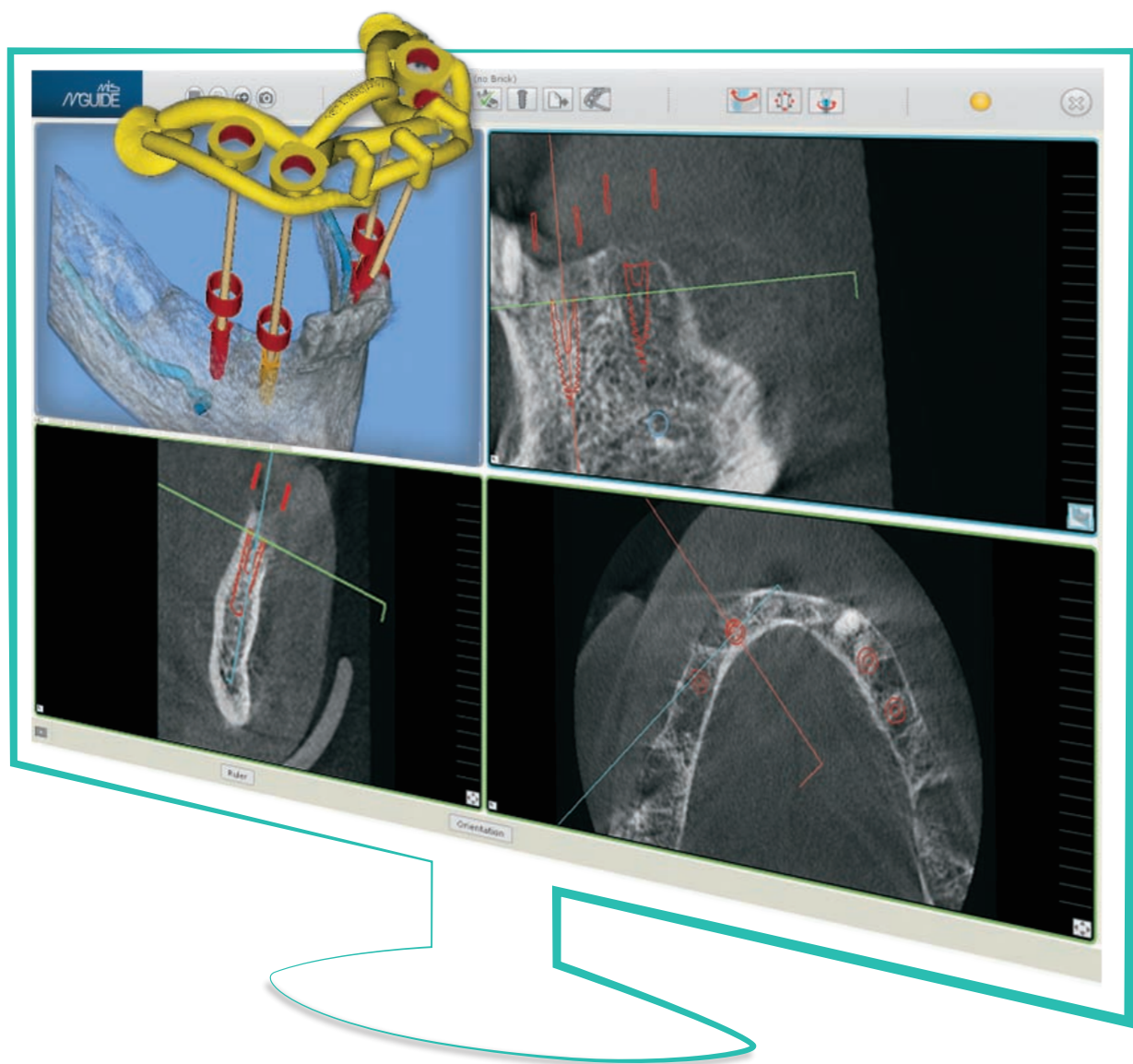
IMPLANT POSITIONING

The MSOFT program generates multi-level, 2D planning views and 3D composite representations of the patient's anatomy, in order to create the perfect placement and surgical plan. This same high precision technology is used to print the open-frame drilling template that allows quicker, more accurate implant placement for the benefit of the dentist and patient alike.



PATIENT COMMUNICATION

When a surgeon or dentist can refer to measurable values rather than subjective judgments alone as the basis for decision-making, it is easier to explain treatment choices to patients.



Advantages.

Placing implants exactly as planned
and in the ideal location allows
for faster more efficient surgical
procedures, predictable outcomes
and better esthetic results.



FEWER ADJUSTMENTS OR REPAIRS

Virtual planning minimizes the risk of costly surgical errors because patient anatomy; nerves, sinus and bone are clearly visible.



MORE ACCURATE

Virtual planning enables a precision placement procedure for faster, simpler and more efficient surgery, with less stress and more confidence.



LESS CHAIR-TIME

Virtual planning helps ensure less chair-time with fewer patient visits and speedier patient recovery.

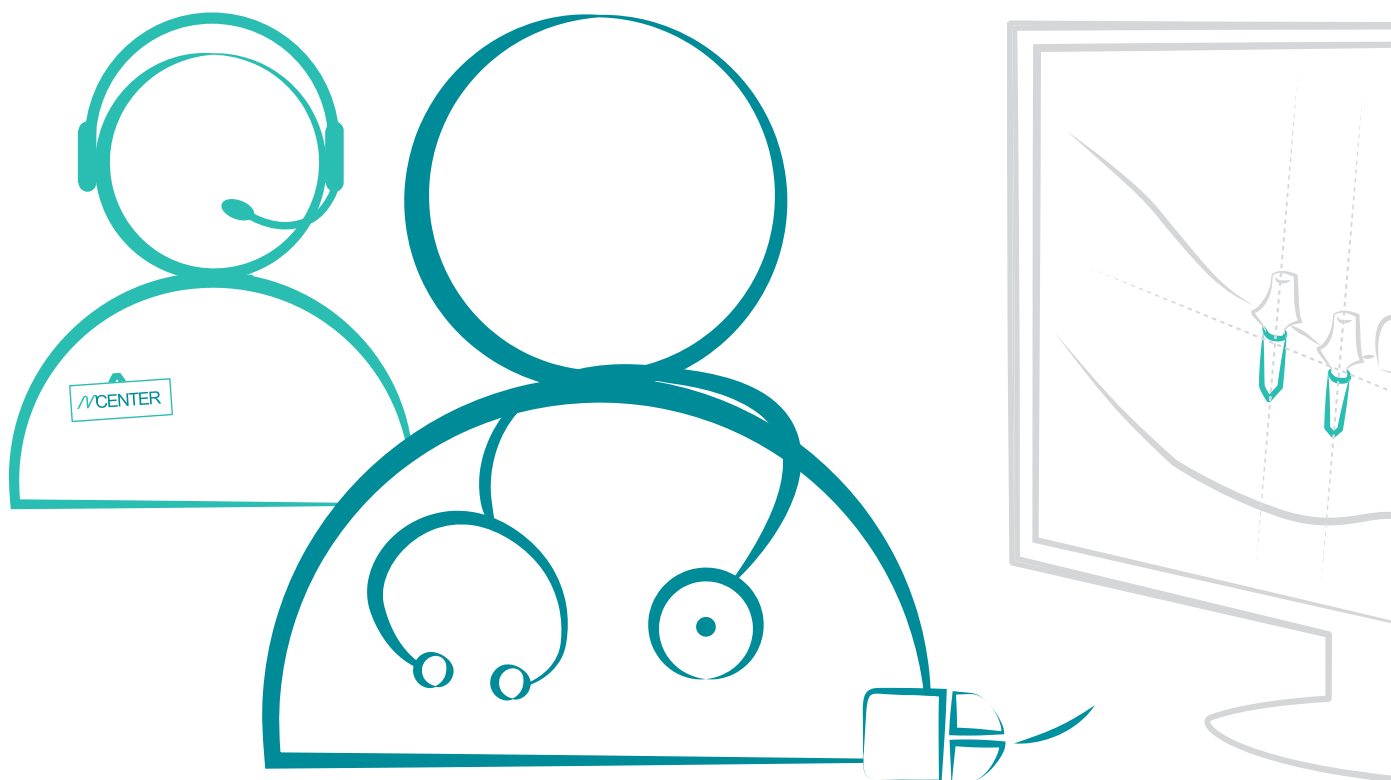
Planning Methods.

Method 1

Planning by the dentist with MCENTER assistance

Flat fee paid for annual software license allows:

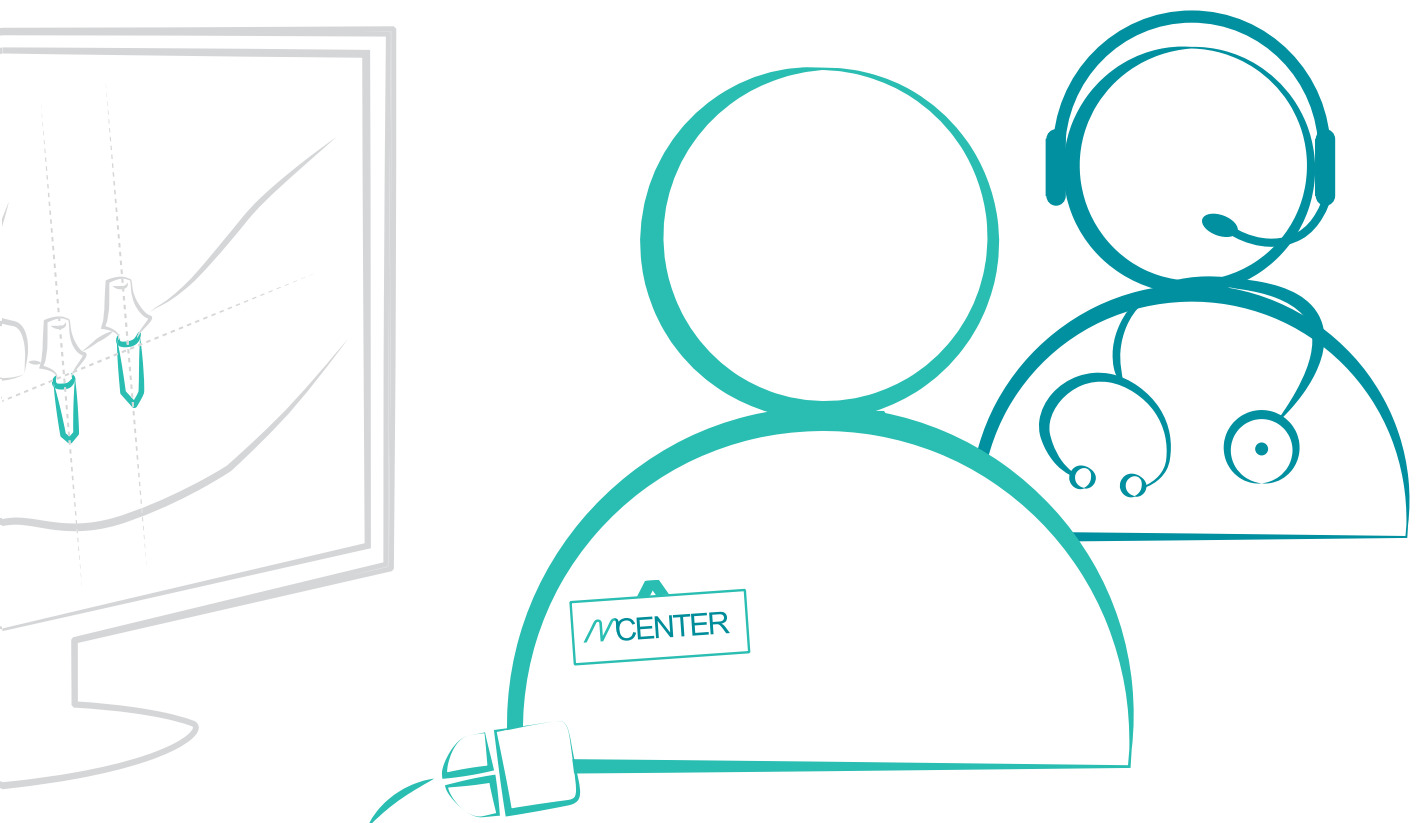
- Unlimited case creation (DICOM upload)
- Unlimited implant planning
- Unlimited 'shared' cases (server upload/download)
- Unlimited saved cases
- Free 30-day trial



Method 2

Planning by the MCENTER -
full support with the Dentist's approval

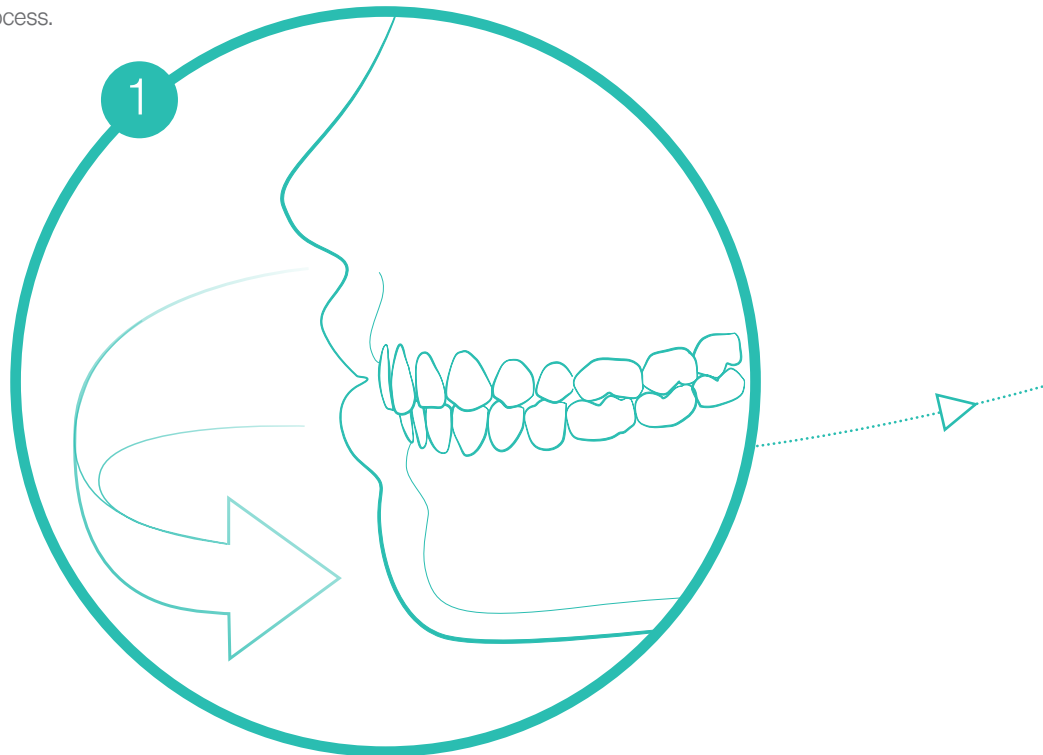
The MCENTER provides an entire matrix of services to doctors and clinicians, from the CT scan onwards; professional work flow and quick turnaround times in the creation of the 2D and 3D implant placement plan, 3D printing of the open wire-frame surgical template and temporary restorations.



Professional Work Flow & Quick Turnaround.

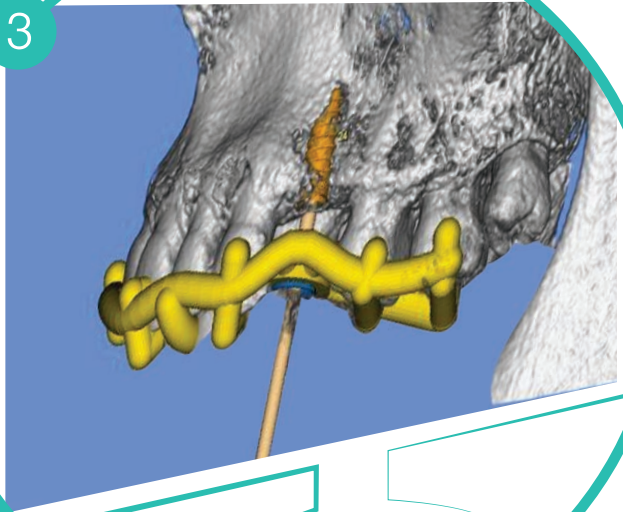
MCENTER protocol begins by processing the doctors written work order which includes a stone model, wax-up and additional case information such as implant positions, sinus lifts, edentulous or tooth supported and overall case assessment. The MCENTER then creates a 3D image for a preliminary implant placement plan according to strict procedures, with subsequent review and approval by the clinician.

Single patient Cone Beam CT scan
is needed to start the process.

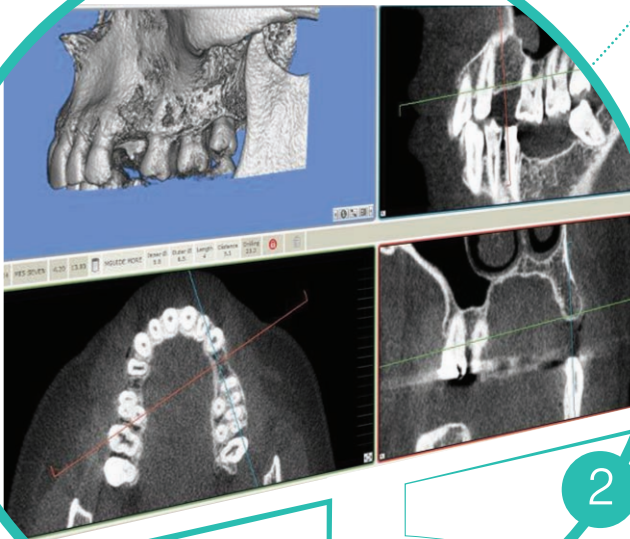


3D image created for the preliminary implant placement plan.

3



2



Upload of the DICOM data for 3D evaluations.





Surgical Equipment.

Extremely accurate, user friendly 3D printers provided by the world's most experienced name in 3D printing machines, produce the MGUIDE surgical templates.

The MGUIDE surgical set is comprised of tools and instruments specially engineered to optimize the guided implant placement procedure.

Advantages.



The open wire-frame design of the MGUIDE template allows an open field of view during surgery, where anesthesia and irrigation are accessible from all angles without removing the template. Raised flap surgery can also be more easily performed.

The template is constructed from a strong durable and biocompatible material. The 3D CAD/CAM design ensures the highest level of accuracy. The lightweight template design is an added benefit for patient comfort as well.



MORE ACCURATE

The MGUIDE system incorporates a number of procedures synchronized to deliver accurate implant planning schematics and optimized guided surgery templates, for a more accurate surgical procedure.



LESS CHAIR-TIME

From start to finish, the MGUIDE system is shaped by precision state-of-the-art equipment, to help create the perfect plan and flawless template. This ensures a smooth guided implant planning and placement procedure, cutting down on patient visits and ultimately saving valuable chair-time.



TEMPLATE SAFETY

- Fewer complications, less tissue damage and faster recovery
- Protects against possible damage to nerves and blood vessels in the jaw
- Sleeve helps prevent damage to roots of adjacent teeth



MGUIDE Surgical Set.

The MGUIDE surgical set simplifies the implantology process by eliminating the need for traditional guidance keys. Specially designed sleeves and drills stop at the precise position and depth planned, freeing-up hands and saving valuable time.



ADVANTAGES

- All the tools you need in one surgical set.
- Built-in guidance keys for a quicker, easier procedure.
- Optimal drill lengths for use in posterior areas.
- Ability to change implant length and diameter during surgery due to anatomical considerations.
- Special drill designed for bone harvesting.

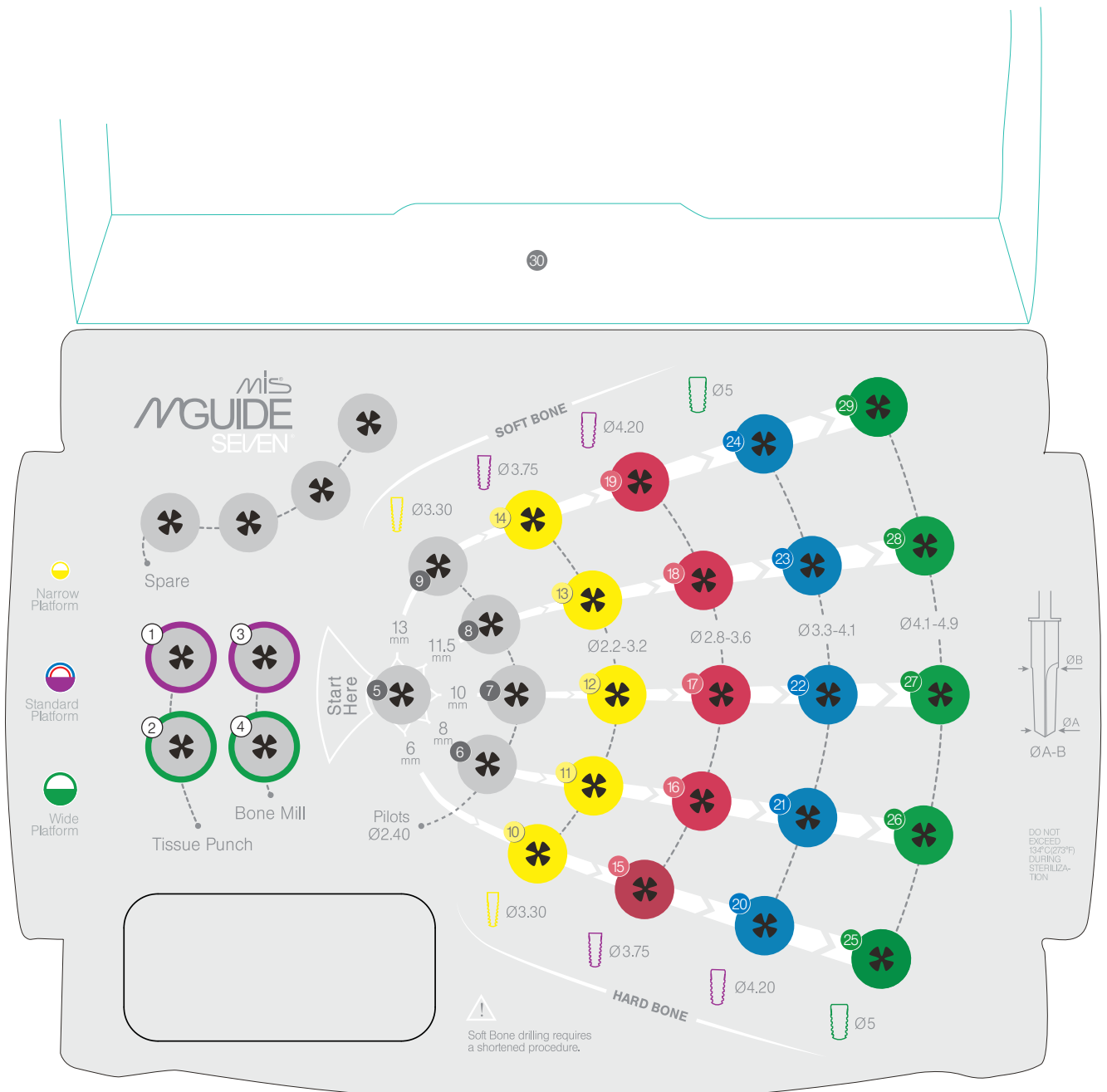


FEATURES

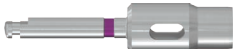





























- Color-coded layout for easy identification of drill diameters.
- Special guidelines for hard or soft bone procedures.
- Built-in stoppers and laser marks on drills.
- Drills allow irrigation to penetrate through sleeve during drilling.
- Drill measuring gauge.



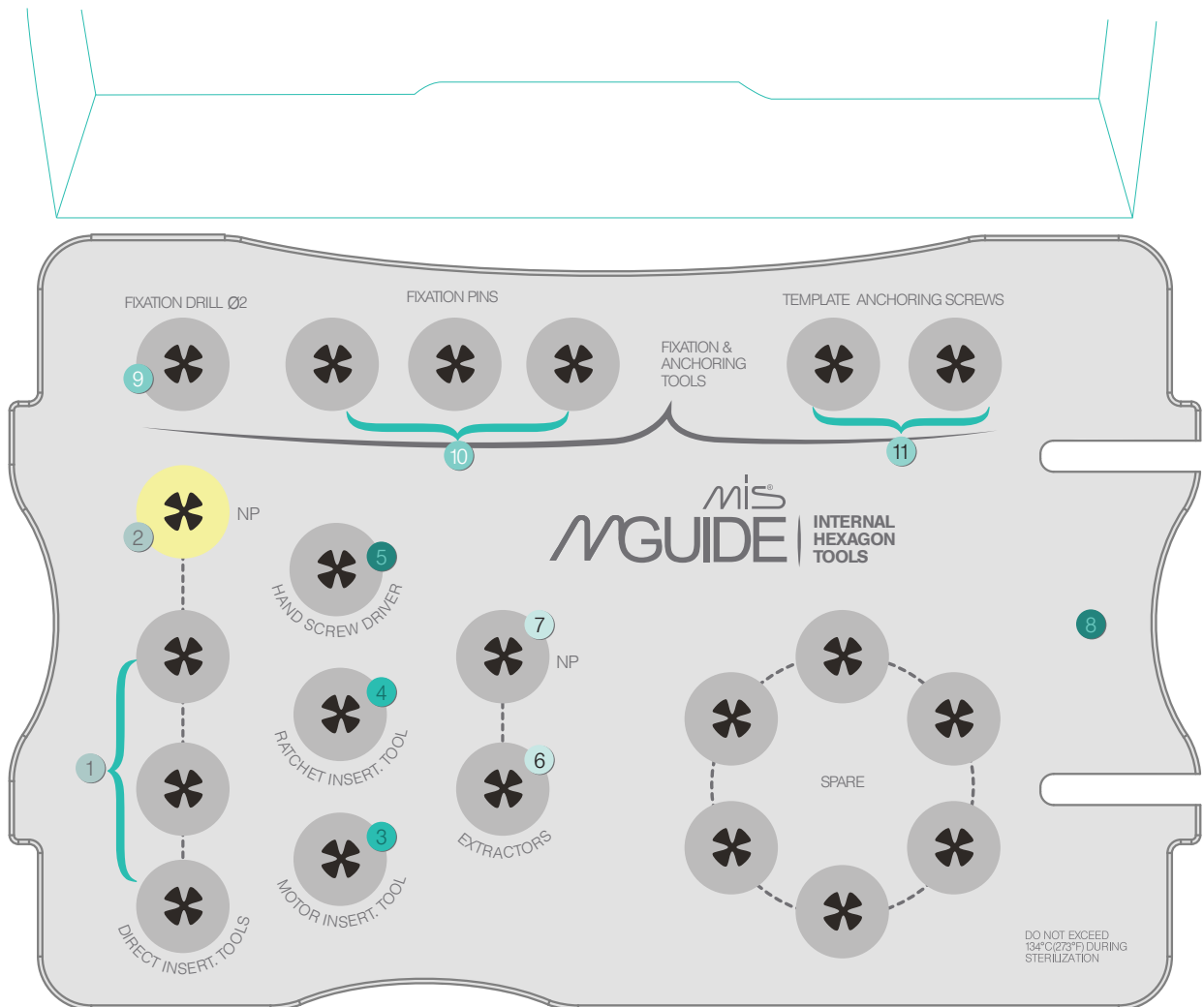
Advanced Drills Kit for SEVEN Implant Procedure.



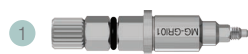
Kit Contents:

- | | | |
|--|---|---|
| ① 
MG-TP047
Guided tissue punch Ø4.7mm | ⑪ 
MG-D0833
Guided conical drill for implant Ø3.30 L8mm | ②① 
MG-D0842
Guided conical drill for implant Ø4.20 L8mm |
| ② 
MG-TP055
Guided tissue punch Ø5.5mm | ⑫ 
MG-D1033
Guided conical drill for implant Ø3.30 L10mm | ②② 
MG-D1042
Guided conical drill for implant Ø4.20 L10mm |
| ③ 
MG-BM047
Guided bone mill Ø4.7mm | ⑬ 
MG-D1133
Guided conical drill for implant Ø3.30 L11.5mm | ②③ 
MG-D1142
Guided conical drill for implant Ø4.20 L11.5mm |
| ④ 
MG-BM055
Guided bone mill Ø5.5mm | ⑭ 
MG-D1333
Guided conical drill for implant Ø3.30 L13mm | ②④ 
MG-D1342
Guided conical drill for implant Ø4.20 L13mm |
| ⑤ 
MG-D0624
Guided pilot drill Ø2.40 L6mm | ⑮ 
MG-D0637
Guided conical drill for implant Ø3.75 L6mm | ②⑤ 
MG-D0650
Guided conical drill for implant Ø5 L6mm |
| ⑥ 
MG-D0824
Guided pilot drill Ø2.40 L8mm | ⑮ 
MG-D0837
Guided conical drill for implant Ø3.75 L8mm | ②⑥ 
MG-D0850
Guided conical drill for implant Ø5 L8mm |
| ⑦ 
MG-D1024
Guided pilot drill Ø2.40 L10mm | ⑮ 
MG-D1037
Guided conical drill for implant Ø3.75 L10mm | ②⑦ 
MG-D1050
Guided conical drill for implant Ø5 L10mm |
| ⑧ 
MG-D1124
Guided pilot drill Ø2.40 L11.5mm | ⑮ 
MG-D1137
Guided conical drill for implant Ø3.75 L11.5mm | ②⑧ 
MG-D1150
Guided conical drill for implant Ø5 L11.5mm |
| ⑨ 
MG-D1324
Guided pilot drill Ø2.40 L13mm | ⑮ 
MG-D1337
Guided conical drill for implant Ø3.75 L13mm | ②⑨ 
MG-D1350
Guided conical drill for implant Ø5 L13mm |
| ⑩ 
MG-D0633
Guided conical drill for implant Ø3.30 L6mm | ②⑩ 
MG-D0642
Guided conical drill for implant Ø4.20 L6mm | ③⑩ 
MG-DLG55
Guided Drill Length Gauge dia. 5.5mm |

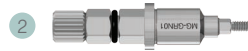
Advanced
Surgical Tools Kit
for Internal Hex.



Kit Contents:



MG-GRI01
Guided direct ratchet insertion
tool, int. hex.



MG-GRN01
Guided direct ratchet insertion
tool, int. hex., NP



MG-GMI10
Guided motor insertion tool,
int. hex.



MG-GR10
Guided ratchet insertion tool,
int. hex.



MT-HHR13
Long hand screwdriver for 0.05" hex.



MG-IE172
Guided insertion tool extractor,
int. hex.



MG-IE160
Guided insertion tool extractor,
int. hex., NP



MT-RI030
Ratchet wrench



MG-DFP20
MGUIDE drill for fixation pin, dia.2 mm



MG-FP020
MGUIDE fixation pin, Ø2mm



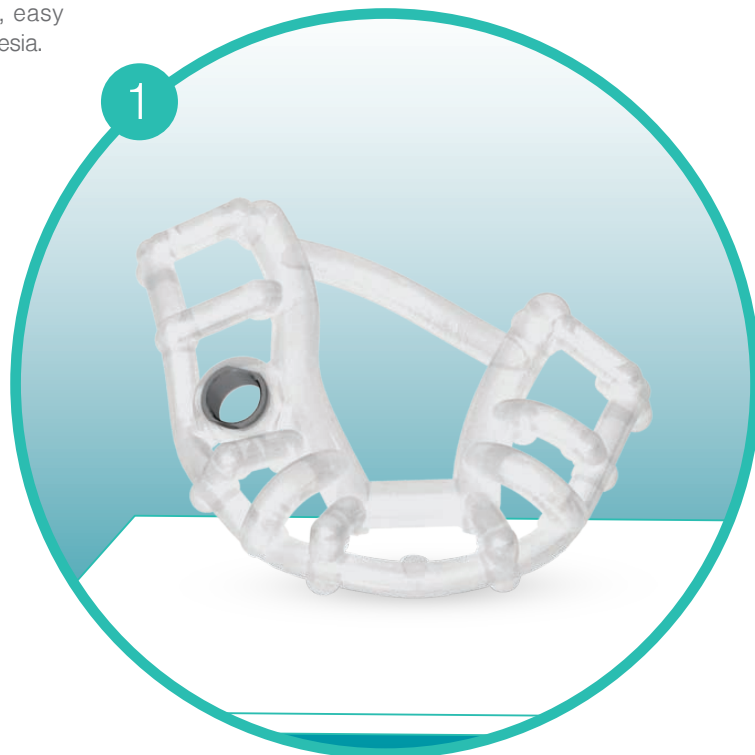
MG-TAS55
MGUIDE template anchoring
screw, Ø5.5mm

Work Process.

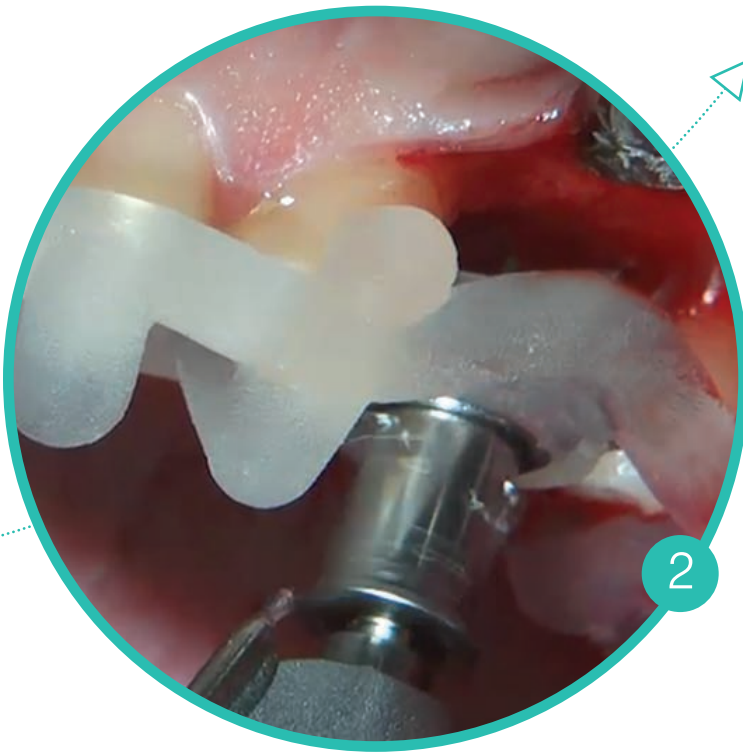
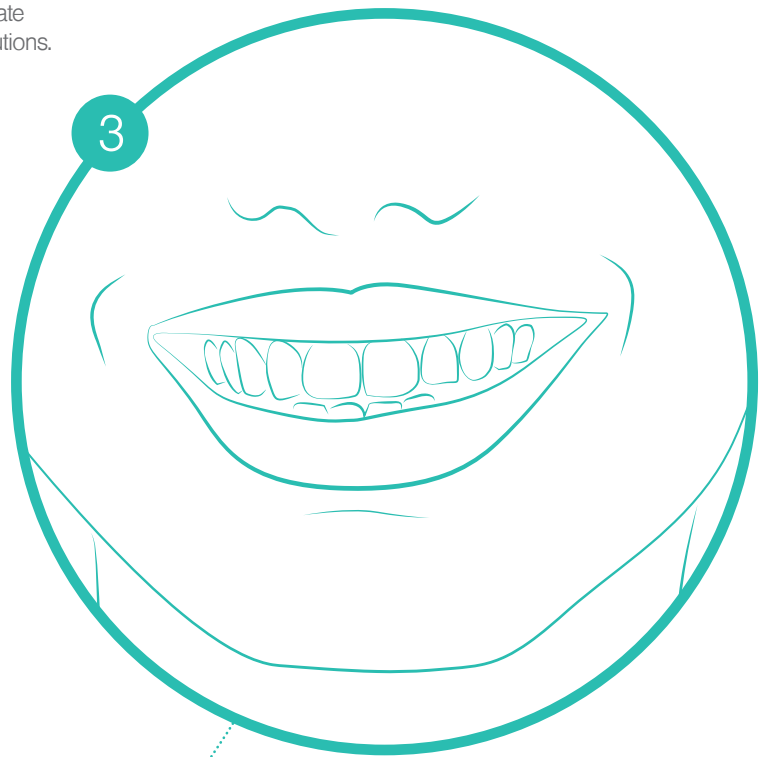
All necessary quality checks of the template are performed by the MCENTER after which the template is packaged and sent by courier or express mail to the dentist. Using MIS products throughout the entire process ensures 100% component compatibility for optimum accuracy, reliability and fit.

MCENTERS with an in-house laboratory can provide immediate temporary custom healing caps, abutments and screw retained crowns and bridges.

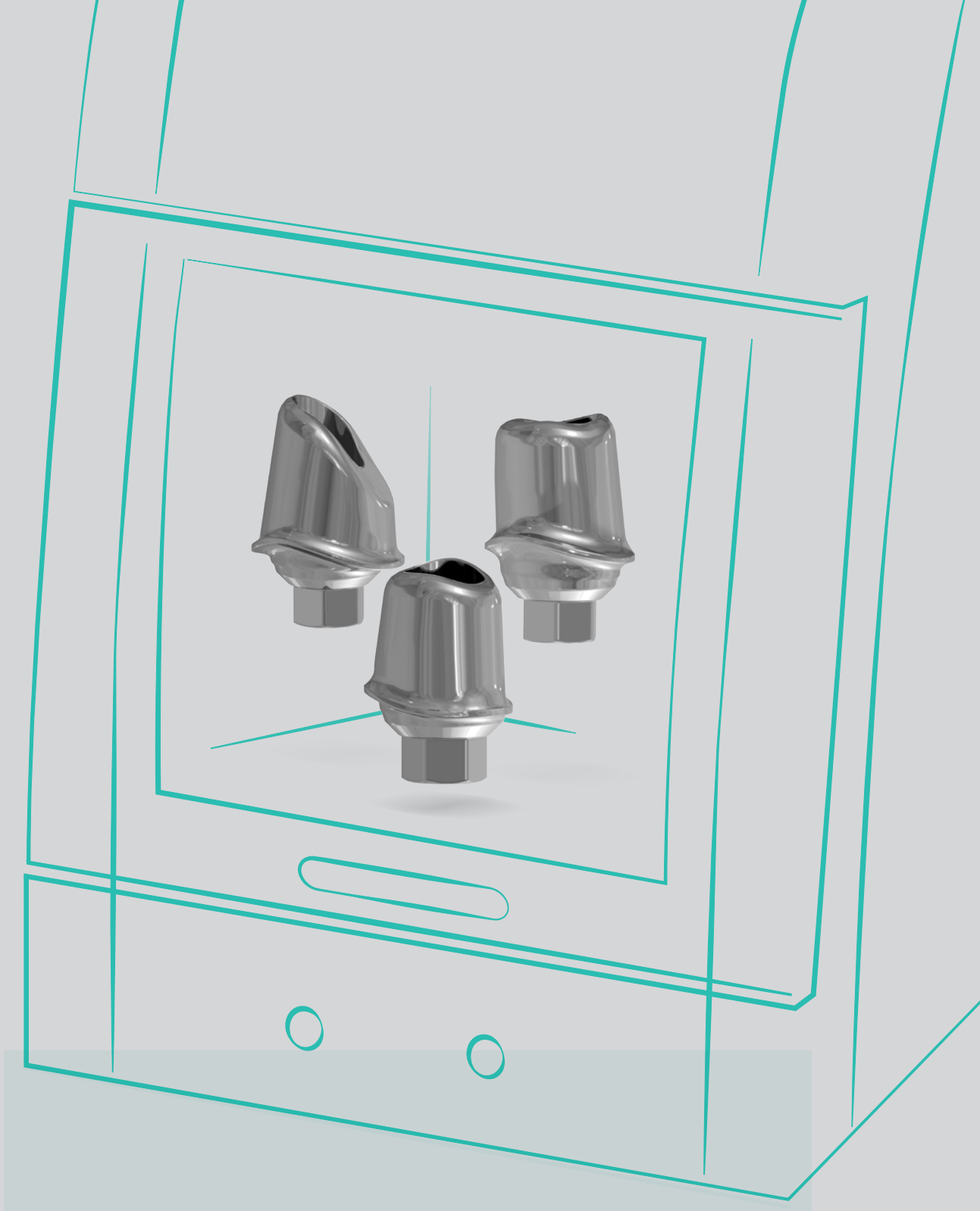
3D printed open wire-frame surgical template: open field of view, easy irrigation and delivery of anesthesia.



Restorations and immediate
provisional prosthetic solutions.



MGUIDE Surgical Set for a quicker,
easier surgical procedure.



CAD/CAM Technology.

CAD/CAM, Computer-Aided Design and Computer-Aided Manufacturing in dentistry, utilizes digital technology to design and produce a range of highly accurate dental restorations.

CAD/CAM System.

1



PLASTER STATION

2



SCANNING STATION

Advanced CAD/CAM capabilities are a strength we're developing to serve all our customers. MCENTERs with an in-house laboratory can provide immediate temporary custom healing caps, abutments and screw retained crowns and bridges from PMMA. Additionally, permanent custom abutments and copings are available in Zirconia and Ceramill Sintron®.

3



MILLING STATION (AUTOMATED)

4



SINTERING STATION (AUTOMATED)

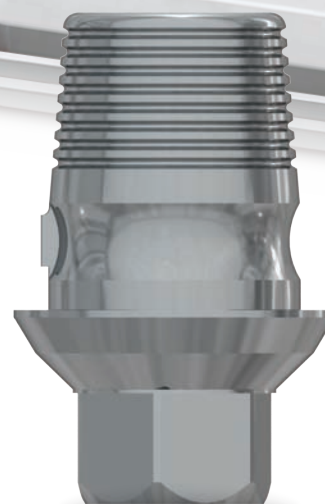
Ti-Base Abutments.



Conical Connection
Ti-Base, h. 4mm
conical connection



Non-Hexagon Connection
Multi-Unit Ti-Base, h. 4mm
for internal hex. connection



Hexagon Connection
Ti-Base, h. 4mm
internal hex. connection



MIS Ti-Base abutments are Titanium base connections for CAD/CAM systems, allowing the production of custom ceramic abutments for a wide range of individualized solutions and greater compatibility to specific site requirements. Ti-Base abutments are available for hexagon and conical connection implants; for single and multiple-unit restorations; for Standard, Narrow and Wide platforms.



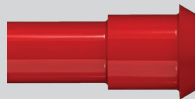
KIT CONTENTS (MK-TBS4):



Ti-Base internal hex.,
Standard platform



Direct prosthetic screw



Burnout anti-rotation plastic cap
for Ti-Base, Standard platform

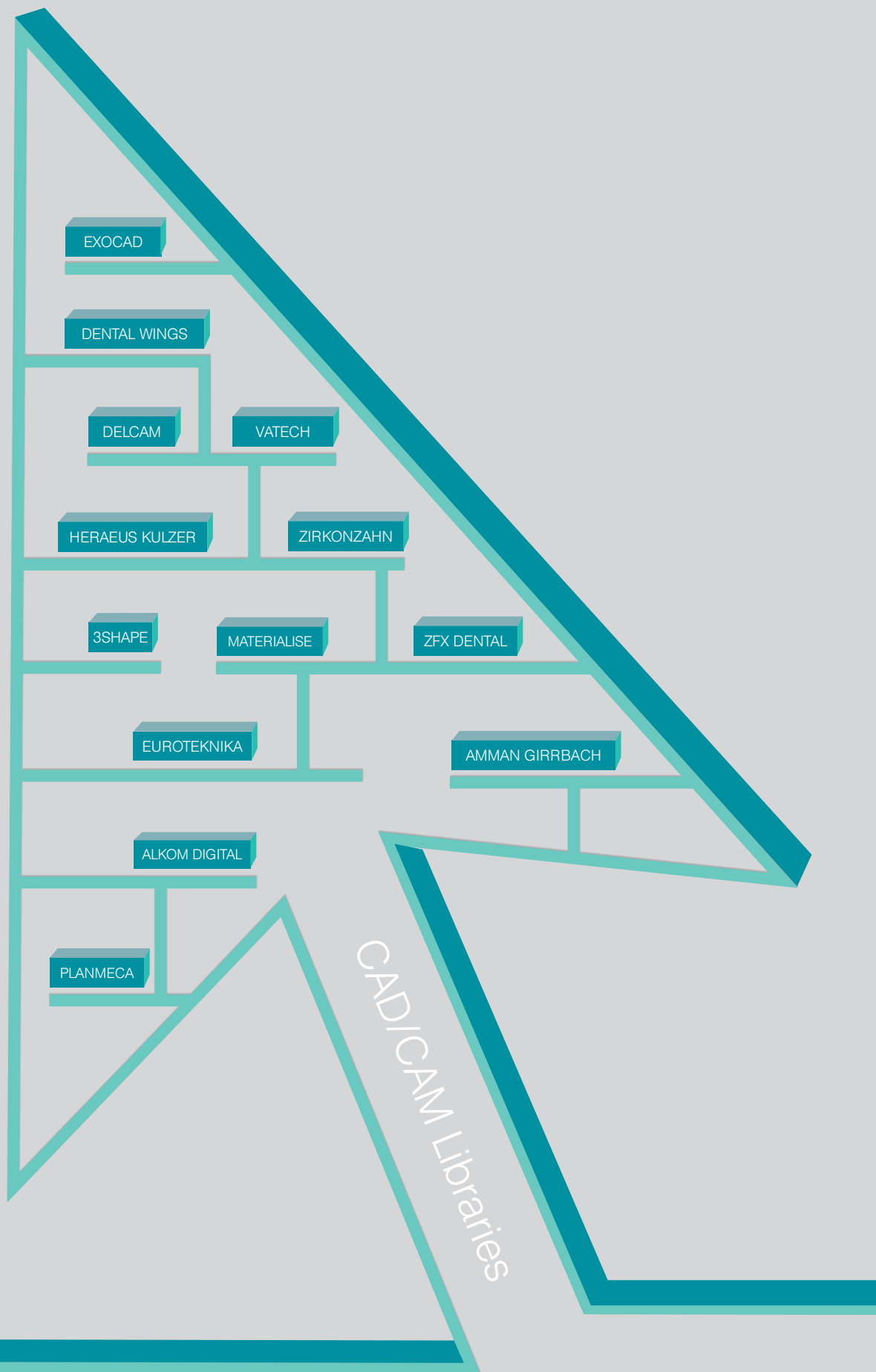


Implant analog internal hex.,
Standard platform

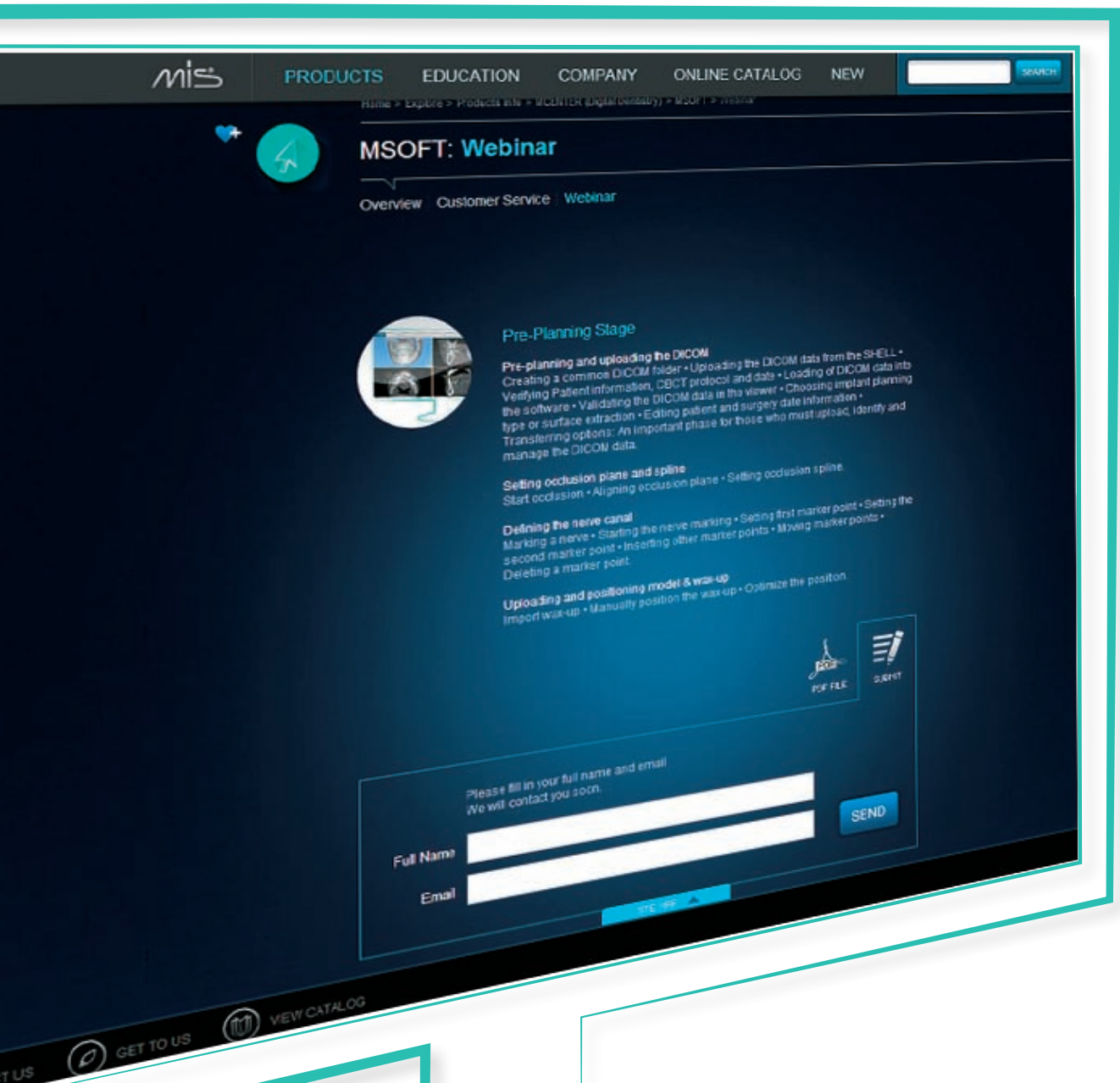


MLAB Services.

In order to design and manufacture customized abutments using MIS implants and Ti-Bases, the MIS library (data-base) must first be embed into the software of the CAD/CAM provider. Currently, our libraries are in use with several major CAD/CAM providers such as AmannGirrbach, 3Shape, Delcam and more. Then, it's simple to plan and produce the restoration based on MIS implant prosthetic products.



Webinars.



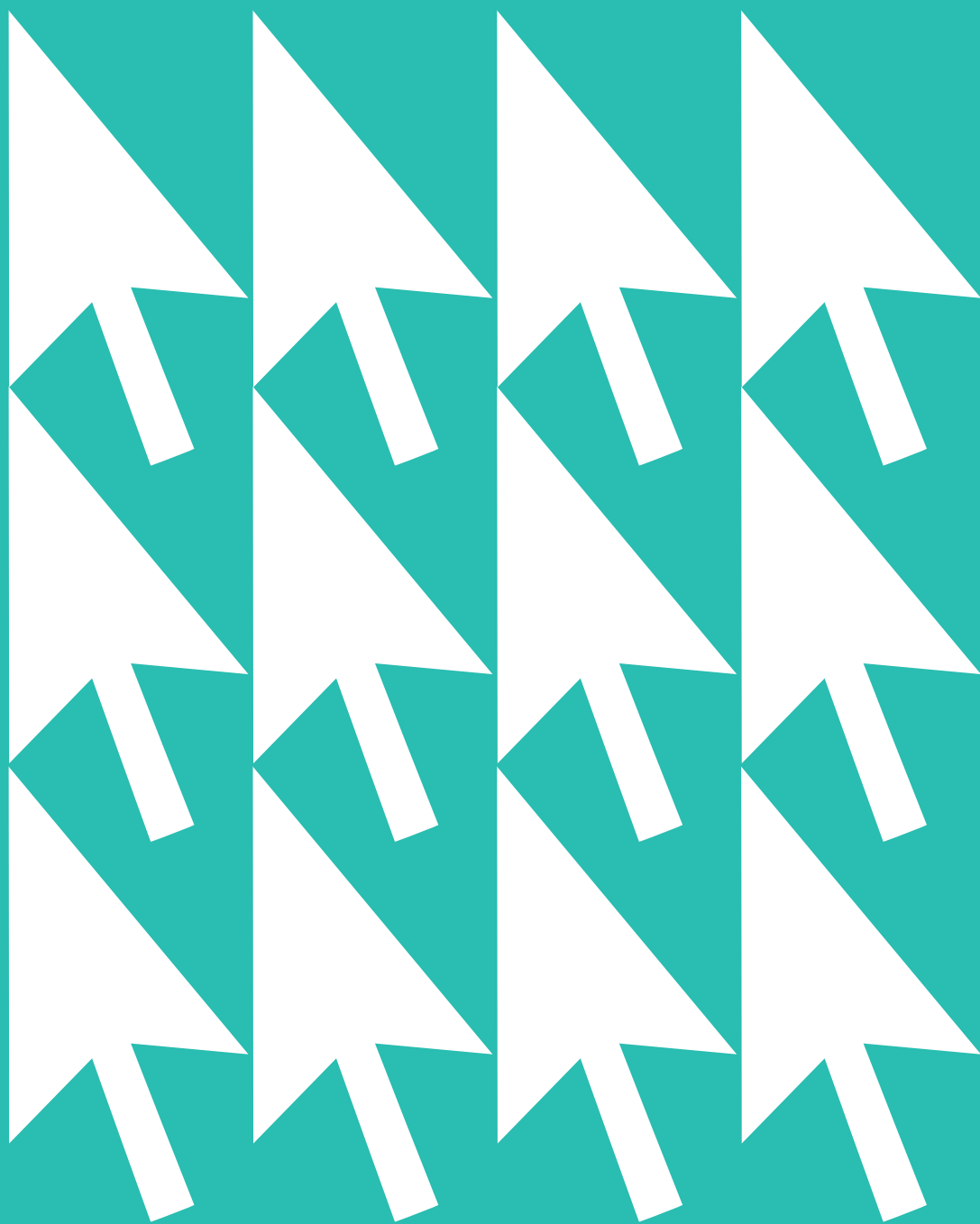


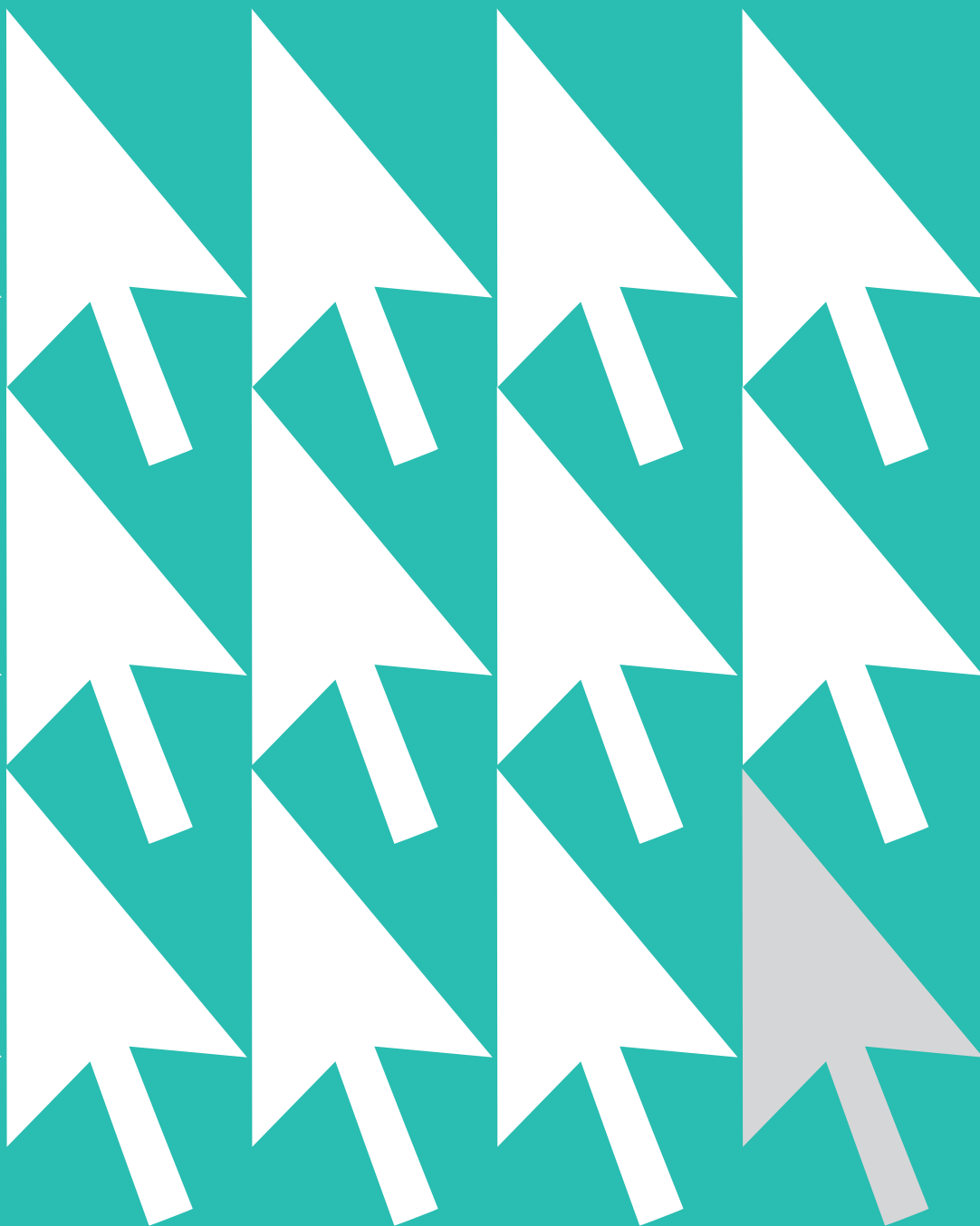
Our online webinars allow busy clinicians the ability to gain a wide spectrum of practical instruction about using the MGUIDE system right in the comfort of their own home or clinic.

The webinars provide intensive one-on-one training presented by an MCENTER technical expert, and cover every phase of the MGUIDE system in an easy to follow step-by-step process. From pre-planning to template design, webinar sessions are broken down into logical topics for highly focused training.

To participate in any or all of the MGUIDE webinar courses currently available, simply register on the www.mis-implants.com website.







mis[®]

All rights reserved. No part of this publication may be reproduced, transcribed, stored in an electronic retrieval system, translated into any language or computer language, or be transmitted in any form whatsoever, without the prior written consent of the publisher.



MIS Implants Technologies Ltd.
www.mis-implants.com

The MIS Quality System complies with international quality standards: ISO 13485:2003 - Quality Management System for Medical Devices, ISO 9001: 2008 - Quality Management System and CE Directive for Medical Devices 93/42/EEC. MIS products are cleared for marketing in the USA and CE approved.

© MIS Corporation. All rights reserved.