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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. 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 digita dentistry services to assist doctors around the world in increasing both the efficacy and quality of the treatments

they can offer their patients





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 MSOFT, the clinician is able to see through bone to detect structures or flaws, which may 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, predicable outcomes and better esthetic results.





MORE ACCURATE

A more extensive, precise plan, leads to a far safer and more accurate procedure, with fewer visits to the dentist and a speedier recovery.



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.



FEWER ADJUSTMENTS OR REPAIRS

Virtual planning minimizes the risk of costly surgical errors because patient anatomy, nerves, sinus and bone are clearly visible before placement surgery has even begun.



PLANNING METHODS.

Method 1 Planning by the dentist with MCENTER assistance

Flat fee paid for annual software license allows:

- Case creation (DICOM upload)
- Implant planning
- 'Shared' cases (server upload/download)
- Saved cases



Method 2

Planning by MCENTER full support with the Dentist's approval

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





PROFESSIONAL WORKFLOW & QUICK TURNAROUND.

MCENTER protocol begins by processing the doctor's 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.

1	Single patient Cone Beam CT scan is needed to start the process, along with a stone model.STL file and a waxup.STL file.
2	Upload of the DICOM data for 3D evaluations.
(3)	3D image created for the preliminary implant placement plan.



) 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 frame design of the MGUIDE template allows an open field of view during surgery, where irrigation and anesthesia are accessible from all angles without removing the template. With a fully customized MGUIDE design, a raised-flap procedure may be preformed.

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 KITS.

The MGUIDE surgical kits simplify the implantation 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.
- Keyless system 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.





(MG-K004) MGUIDE SURGICAL SET, CONICAL CONNECTION Drill Kit



Kit Contents:





(MG-K004) MGUIDE SURGICAL SET, CONICAL CONNECTION Tool Kit





MGUIDE V3/C1 direct ratchet in-sertion tool, conical connection, SP 8 CG-GMS10 MGUIDE V3/C1 motor insertion tool, conical connection, SP CG-GRS10 MGUIDE C1 ratchet insertion tool, conical connection, SP 2 VG-GRS10 MGUIDE V3 ratchet insertion tool, conical connection, SP C1 WIDE PLATFORM CG-GRW01 MGUIDE C1direct ratchet insertion tool, conical connection, WP 12 CG-GMW10 MGUIDE C1 motor insertion tool, conical connection, WP CG-GRW10 MGUIDE C1 ratchet insertion

tool, conical connection, WP

V3/C1 STANDARD PLATFORM

CG-GRS01

MT-RDL30 Long driver for 0.05 inch hex. 15 1-1-MG-DFP20 MGUIDE drill for fixation pin, Ø2mm 16 MG-FP020 MGUIDE fixation pin, Ø2mm CG-TAS55 MGUIDE template anchoring screw, conical connection, SP MT-RI030 Monoblock ratchet Additional Tool: ANNAL AND A MG-TAS56

MGUIDE flat template anchoring screw, Ø5.50mm

(not included in the kit)

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Kit Contents:



(MG-K001) MGUIDE SURGICAL SET, SEVEN IMPLANT Drill Kit



Kit Contents:









(MG-K001) MGUIDE SURGICAL SET, SEVEN IMPLANT Tool Kit





5 MT-RDL30 Long driver for 0.05 inch hex.

6 MG-IE172 MGUIDE insertion tool extractor, internal hex.

7 MG-IE160 MGUIDE insertion tool extractor, internal hex., NP







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.

1	3D printed open wire-frame surgical template: open field of view, easy irrigation and delivery of anesthesia.	, • • • • • •
2	MGUIDE Surgical Set for a quicker, easier surgical procedure.	
3	Restorations and immediate provisional prosthetic solutions.	





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.

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 Titanium.

Custom Abutment Titanium One Piece



Custom Abutment Temp



Custom Abutment Zirconia



TI-BASE ABUTMENTS.

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 internal hex. and conical connection implants; for single and multiple-unit restorations; for standard, narrow and wide platforms.



Ti-Base, Internal Hexagon Available platforms: NP, SP, WP





DIGITAL ANALOG.

The Digital Analog for a printed model is used in a fully digital procedure using intra-oral scanning, including virtual implant planning, placement and digital restoration printing.

Designed with geometry which provides optimal precision, the analog ensures exact positioning in a 3D printed model. That leads to accurate restoration planning and simulation.





CN-MAN10 Model implant analog, NP for C1





CS-MAN10 Model implant analog, SP for V3/C1



CW-MAN10 Model implant analog, WP for C1



SCAN POSTS.

Scan Posts, with patent pending design features, offer excellent surface quality, allowing easy scanning and unique geometry. Well-defined flat surfaces for easy placement and optimum accuracy. No spraying or pre-scanning needed. Suitable for both Intra Oral and desktop scanning.





EZ-BASE ABUTMENTS.

The MIS EZ-Base system features a unique Ti-Base, designed with a highly accessible screw channel (up to 20°) for extreme angulation, making the process of anterior or posterior restorations simpler and more convenient.







MLAB SERVICES.

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

Download the libraries for 3SHAPE, EXOCAD & DENTAL WINGS at: www.mis-implants.com/Products/Digital-Dentistry/MLAB-CAD-CAM/Libraries.aspx

CAD/CAM Libraries:





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.



ENHANCED EXPERIENCE. Root Copying

The MCENTER has the capability to fabricate custom-made prosthetics while utilizing the patient's CT information as a referance. This allowes for a seemless transition from extraction and onto final prosthesis.

- (1) CT information is used to plan healing cap profile.
- (2) CAD software is used to overlay and design components.
- 3 CAM fabrication ensures production accuracy.







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 Medical Device Directive 93/42/EEC. MIS products are CE marked.



MAKE IT SIMPLE. WE KNOW HOW!

The innovative design of the MIS MGUIDE and its surgical kits simplifies digital dentistry. The use of CAD/CAM, allows for a prosthetically driven, safe and accurate procedure. To learn more about the MIS MGUIDE, go to www.mis-implants.com

