



GUIDED SURGERY

SOFTWARE

SOLUTION



Why Use a Guided Surgery Software?

Modern implantology demands precision, predictability, and full control over the surgical procedure. A guided surgery software has become an essential tool for ensuring high standards of safety and clinical quality.

With **Implant 3D**, clinicians can thoroughly analyze the patient's anatomy, evaluate critical structures, and plan the implant placement with a level of accuracy unattainable through traditional methods.

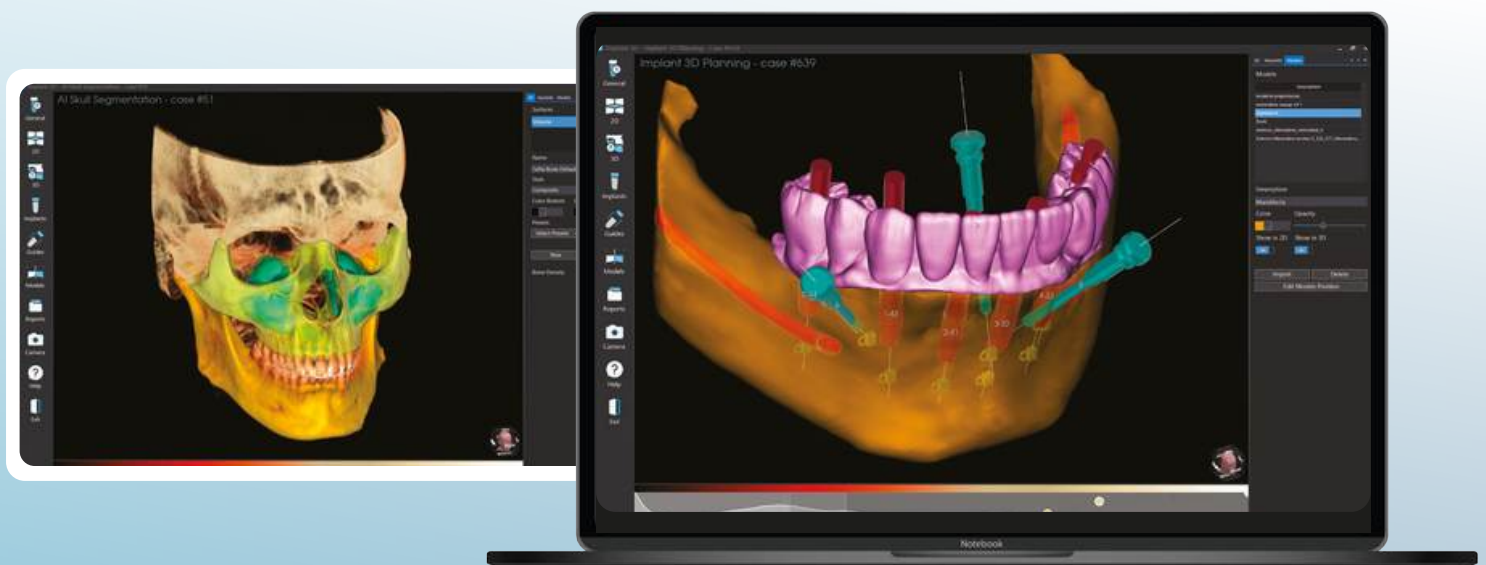
A key advantage is the ability to design **custom surgical guides** that faithfully transfer the virtual plan into the clinical reality. With **Implant 3D**, guide design is fully integrated into the digital workflow, supporting:

- **tooth-, mucosa-, or bone-supported guides**
- **guides with interchangeable sleeves**
- **full-arch guides**

and especially **Stackable Guides**, modular multi-stage guides designed for advanced and sequential procedures.

Stackable Guides allow clinicians to manage complex rehabilitations by combining, in a controlled and modular way, different surgical phases—osteotomy, implant placement, bone reduction, prosthetic guidance—ensuring stability, precision, and reduced operative time.

Using a software like Implant 3D also means optimizing the entire workflow: improving communication with the dental technician, speeding up the production of surgical guides, minimizing errors, and providing patients with highly accurate and minimally invasive treatment.



Our Story

In a world that is evolving rapidly, we at **Media Lab Inc.** are the partner that guides dentists and dental technicians into the future.

Our mission is clear: **to transform technology into real value** by creating tools that simplify daily workflows, improve organization, and open new opportunities for growth.

We are not just software developers—we are innovators with a genuine passion for dentistry and health.

Every project we create begins by listening to professionals and becomes a **digital solution that is simple yet revolutionary.**

Choosing Media Lab S.p.A. means relying on a partner that never leaves its clients alone: continuous support, ongoing updates, and a shared vision of the future.

Every day, we work alongside clinics and dental networks to make them stronger, more organized, and more competitive.

Media Lab was born from an idea of Dr. Massimo Ivani: to create a software company dedicated to the dental sector.

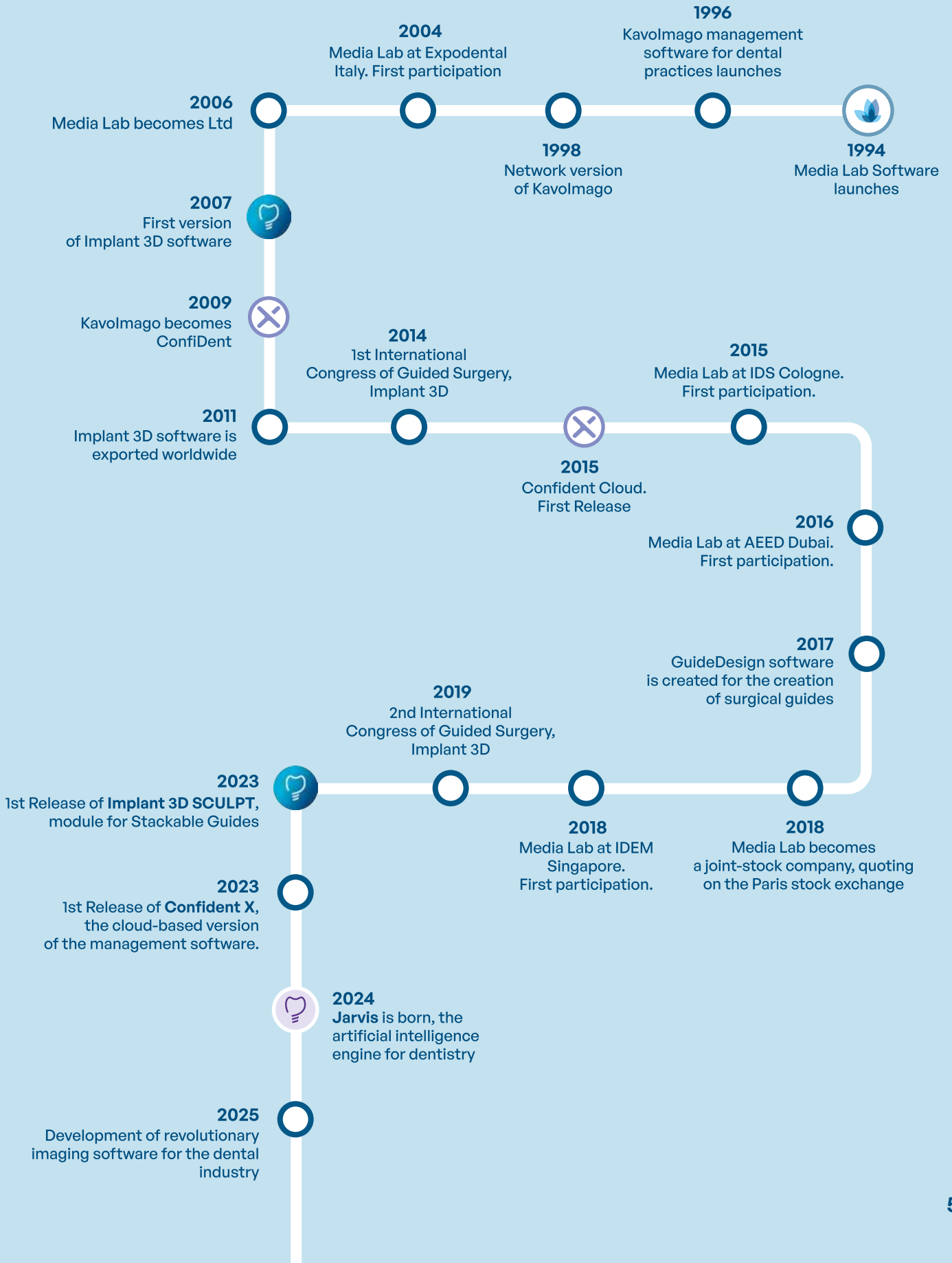
Our first software, Confident—designed for dental practice management—was released in 1994 and has grown steadily over the years. In 2006, we launched **Implant 3D, our software for implant planning and guided surgery.**

Today, Media Lab S.p.A. exports its software to 52 countries worldwide, with thousands of satisfied customers. Our brand has become synonymous with professionalism, safety, and reliability.



Medialab
Dental Software Solutions

We've come a long way!

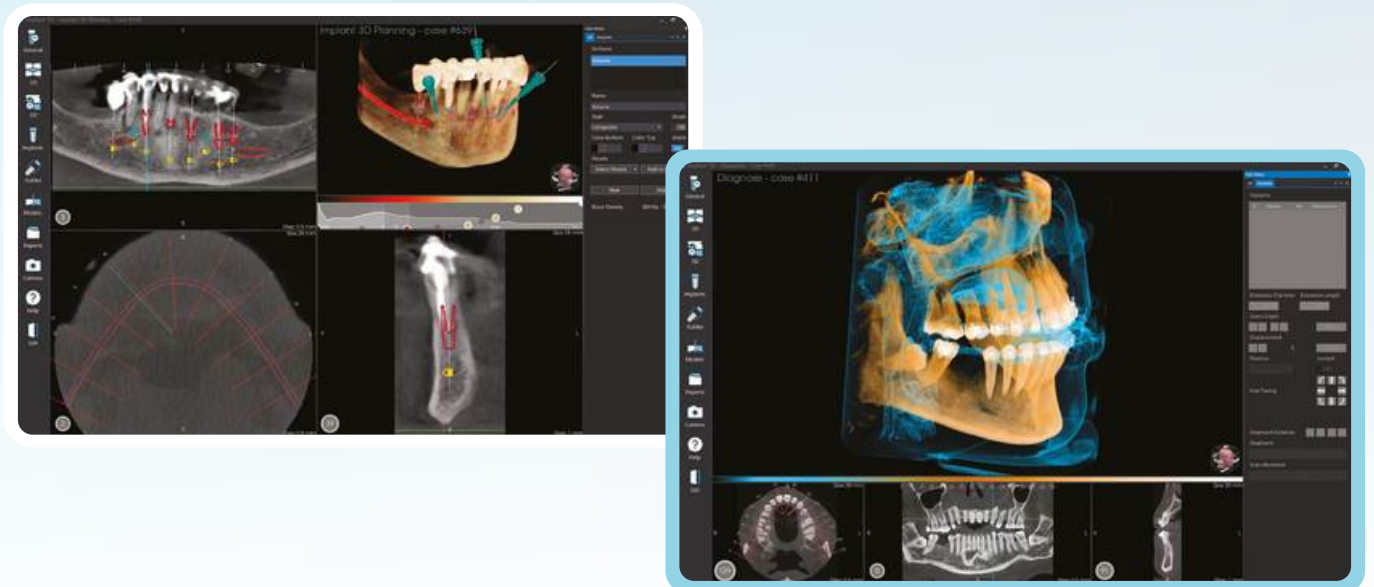


Implant 3D

The New Era of Implant Planning

Implant planning is at the core of modern digital implantology. Implant 3D has been created to provide dentists and dental technicians with an advanced, intuitive, and fully integrated tool that transforms every procedure into a safer, more precise, and more predictable workflow.

Designed and entirely **developed by Media Lab Inc.**, in continuous collaboration with industry professionals, Implant 3D is the result of over 30 years of experience in digital dentistry. Every feature is built from real clinical needs, making the software truly aligned with the daily workflow of those who use it.



Digital Precision at the Service of the Clinician

With Implant 3D, practitioners can thoroughly analyze the patient's anatomy in three dimensions:

- **combined DICOM + STL visualization**
- **panoramic reconstructions and dynamic cross-sections**
- **advanced measurements**
- **bone density analysis**
- **automatic identification of the mandibular canal (powered by Jarvis AI)**

The software allows clinicians to define the **ideal position, angulation, and depth** of each implant while evaluating millimeter-level relationships with anatomical and prosthetic structures.

The result?

Highly predictable planning that reduces time, risks, and intraoperative uncertainties.

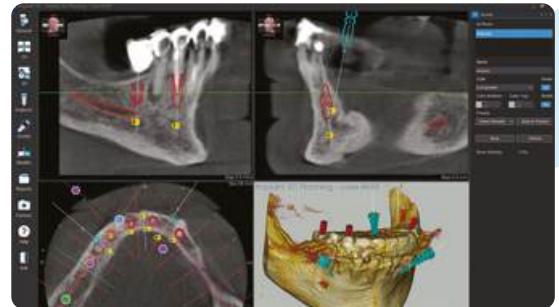
An Interface Designed for Efficiency

Implant 3D is engineered to make every step simple and intuitive. The clean interface and guided workflow allow for rapid planning—even in complex cases. A powerful software solution that remains incredibly easy to use.

Advanced Capabilities for All Levels of Complexity

Implant 3D is an open system, compatible with all major intraoral scanners, CBCT units, and dental CAD software.

- **Implant library with over 150 manufacturers**
- **Automatic and manual alignment tools**
- **Multi-implant simulation**
- **Integrated aesthetic–prosthetic evaluation**
- **3D bone analysis**
- **Surgical guide design tools (optional)**



Why Is Implant 3D Better Than Other Software?

100% in-house Italian development:

Media Lab directly builds and maintains the software, guaranteeing fast updates, direct support, and rapid response times.

Developed with dentists and dental technicians:

every feature originates from real clinical cases.

Intelligent algorithms:

that speed up planning and reduce human error.

Exceptional ease of use:

professional power with an intuitive interface.

Certified reliability:

Implant 3D is CE-marked, FDA approved and ANVISA-marked

A complete digital ecosystem:

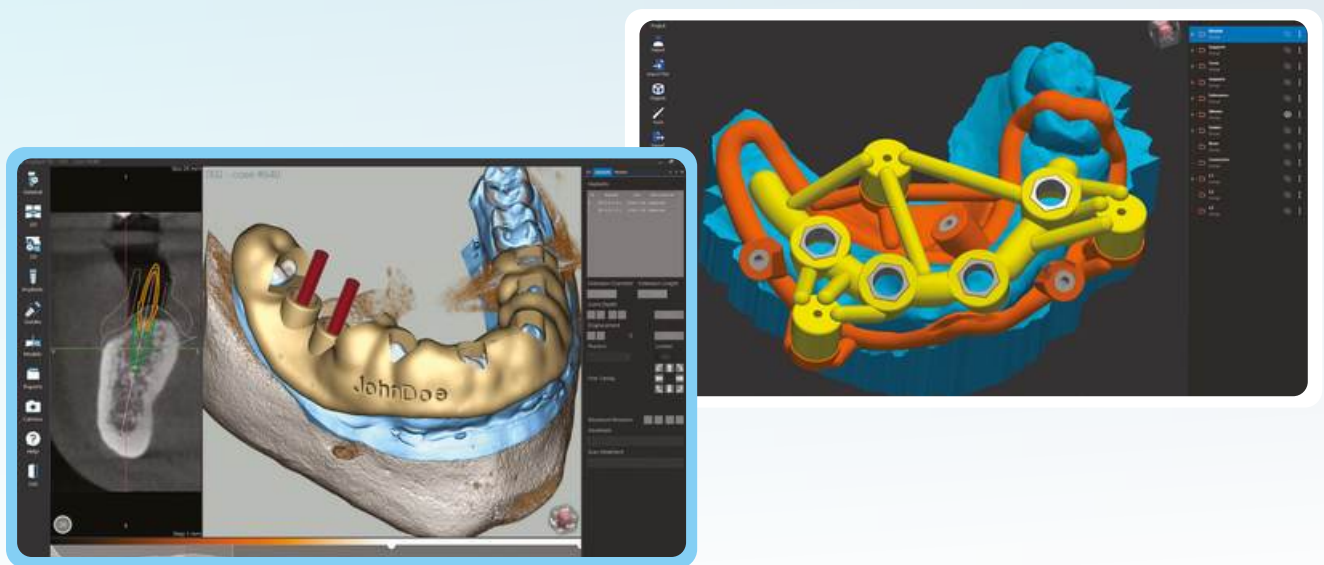
planning, guides, 3D printing, and prosthetic workflow.



Surgical Guides: Absolute Precision, Every Time

Guided surgery has revolutionized the way implantology is performed, transforming complex procedures into a highly controlled and predictable workflow. With Implant 3D software, the design of surgical guides becomes an integral part of the digital process, bringing the precision of virtual planning directly into the operating field.

Thanks to the perfect alignment of **DICOM + STL** data, the software allows clinicians to evaluate the patient's anatomy in every detail, define the ideal implant position, and faithfully transfer the digital plan into a surgical guide.



Each guide is tailored to the clinical case, with options such as:

- **Tooth-supported guides**
- **Mucosa-supported guides**
- **Bone-supported guides**
- **Solutions designed for single, multiple, or full-arch rehabilitations**
- **complex guides such as for zygomatic implants and apical resections.**

The result?

A faster, minimally invasive procedure with reduced surgical time and improved patient comfort.

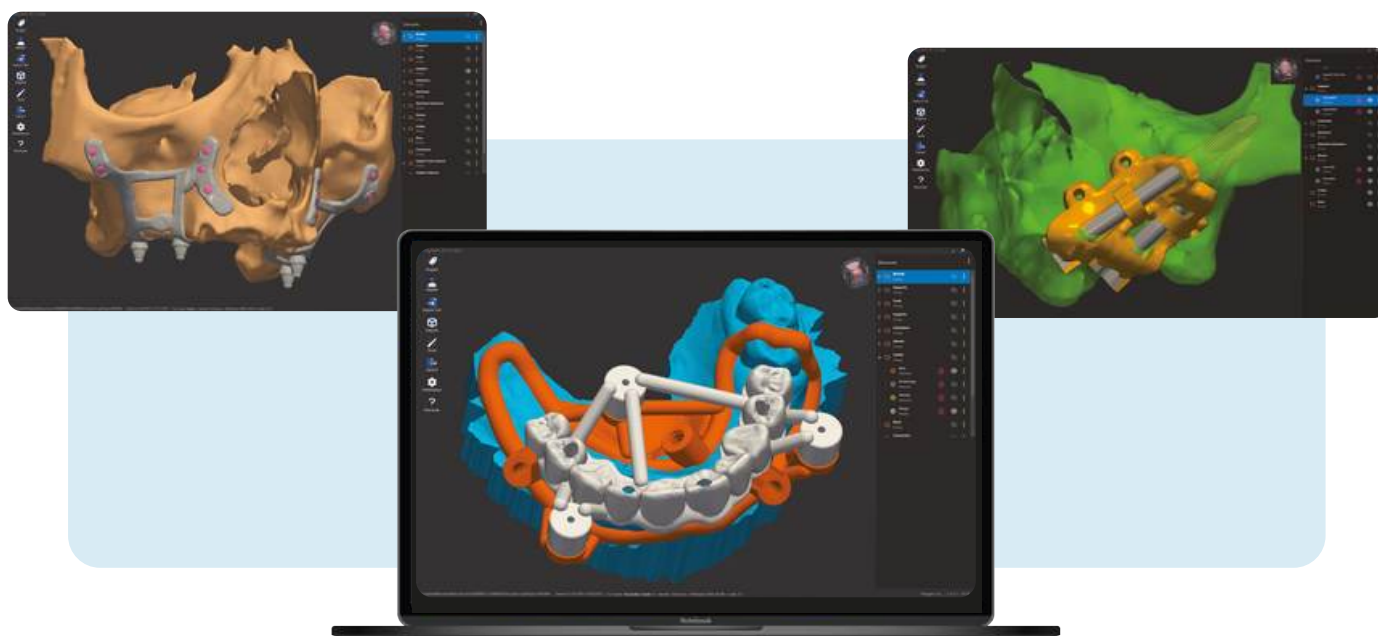
Surgical guides designed with Implant 3D adapt to the operative protocols of over 150 implant manufacturers, offering maximum clinical freedom and a **truly open system**. Furthermore, the close **collaboration between clinician and dental technician** is enhanced by a smooth digital workflow: the guide is not just a surgical accessory—it becomes a tool that improves communication, case sharing, and the final prosthetic outcome.

Stackable Guides: The Ultimate Solution for Complex Cases

When implant treatment requires multiple surgical steps—bone reduction, osteotomies, implant placement, prosthetic guidance—it is essential to maintain control, stability, and precision throughout every phase.

This is why we developed **SCULPT**, the advanced Implant 3D module dedicated to Stackable Guides: a modular system designed to manage complex rehabilitations with unprecedented safety and accuracy.

Stackable Guides represent the **highest level of evolution in guided surgery**: they are multi-layered guides, engineered to work sequentially while maintaining the exact same spatial position. Each module performs a specific function and, once removed, allows the next module to be placed without losing the millimetric precision defined during planning.



This approach enables clinicians to:

- **perform controlled bone reductions, fully aligned with the prosthetic design**
- **maintain stability at every surgical step**
- **guarantee a structured and safe workflow**
- **minimize unexpected issues in full-arch procedures**
- **achieve predictable prosthetic accuracy already during the surgical stage**

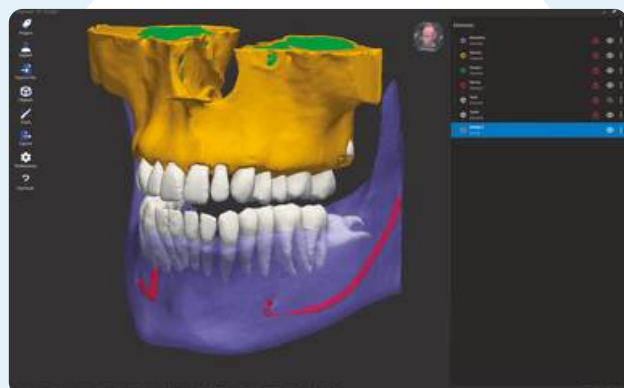
SCULPT transforms complexity into operational simplicity. Clinicians can confidently manage advanced cases using a system that offers complete control from start to finish. Unlike other software, Implant 3D doesn't just generate surgical guides: it creates **a true integrated digital workflow**, developed alongside dentists and dental technicians to ensure stability, ergonomics, and usability—even in the most demanding procedures.

Guided surgery is no longer just about precision: it is a new form of safety, a new vision for implant rehabilitation, and a **new way of working as a team**.

The Artificial Intelligence Transforming Digital Implantology

Guided surgery enters a new era. With Jarvis, the artificial intelligence engine of Implant 3D, implant planning becomes faster, more precise, and fully automated. Jarvis is not just an algorithm: it is an AI model trained on real clinical cases, designed to support clinicians in every stage of diagnostic analysis.

Thanks to its ability to autonomously interpret radiological images and 3D models, Jarvis makes possible what once required time, experience, and extensive manual intervention.



An AI that sees, understands, and works alongside you

Jarvis analyzes CBCT data and STL files like a true digital assistant, performing complex operations in just seconds:

- **Automatic tracing of the inferior alveolar nerve.** Immediate, accurate, and reproducible. Jarvis detects the mandibular canal and traces it automatically, dramatically reducing the risk of error and accelerating diagnostics.
- **Automatic matching between DICOM and STL files.** The perfect alignment between radiographic data and optical scans becomes instantaneous. Jarvis identifies reference points and generates an accurate match—an essential step for truly predictable guided surgery.

The revolution of automatic bone segmentation

One of the most complex processes in digital implantology is now instantaneous.

Jarvis can automatically segment all major anatomical structures, opening the door to advanced and highly detailed planning:

- **Mandible segmentation**
- **Maxilla segmentation**
- **Teeth segmentation**
- **Skull segmentation**
- **Maxillary sinus segmentation**

What once required minutes—or even hours—now happens in seconds.

Clinicians receive clean, accurate, ready-to-use 3D models for implant planning and surgical guide design.



The future of digital implantology is already here

A new generation of guided surgery

Jarvis does not simply enhance Implant 3D: it redefines it.

- **Artificial intelligence allows clinicians to:**
- **reduce preoperative analysis time**
- **increase diagnostic precision**
- **standardize results, regardless of operator experience**
- **simplify complex workflows and make them accessible to everyone**
- **achieve an unprecedented level of safety**

Jarvis brings implant planning into a future where software is no longer just a tool, but an intelligent collaborator capable of increasing efficiency, clinical quality, and treatment predictability.

With Jarvis, Implant 3D becomes the first truly intelligent ecosystem in the dental industry.

By merging computational power, clinical expertise, and technological vision, Media Lab is opening the door to a new era of guided surgery: faster, safer, and more automated.

Jarvis is not an assistant. ***It is a new way of working.***

WeShare - Share to Grow.

In today's digital workflow, collaboration between clinicians and dental laboratories is no longer optional—it is essential.

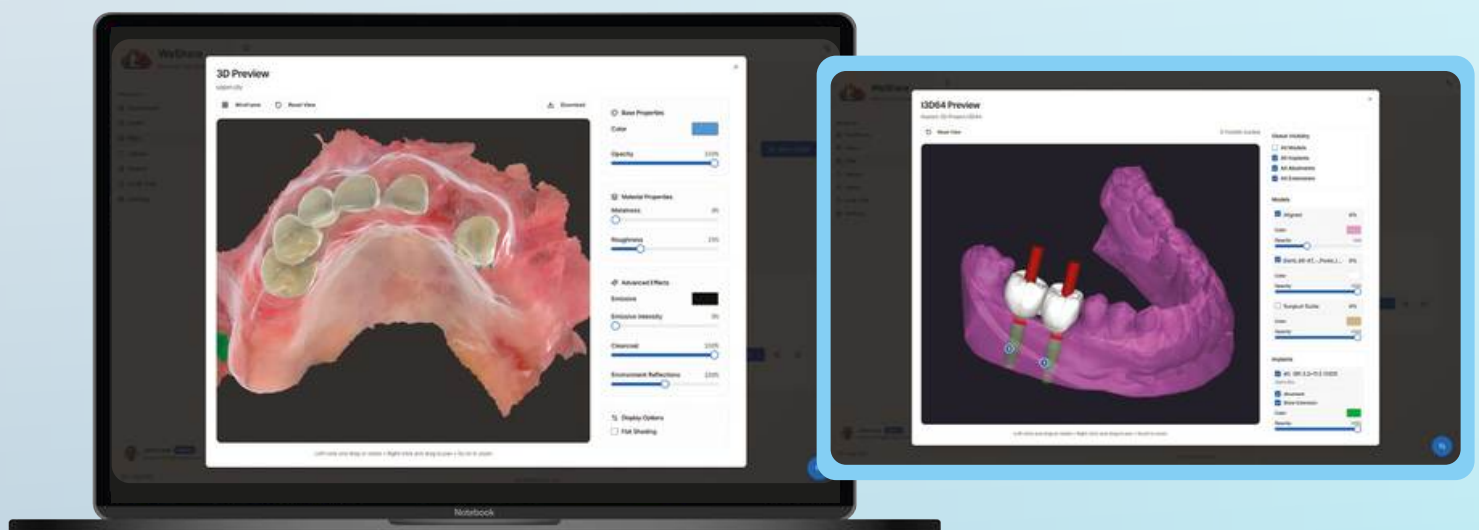
This is why we created WeShare, the integrated Implant 3D service that allows you to share cases, projects, and files easily, instantly, and securely.

With WeShare, professionals can work without barriers and without delays, creating a digital ecosystem where dentists and dental technicians collaborate in real time, wherever they are.

The New Era of Digital Collaboration

WeShare transforms the way communication happens within the implant workflow. With just a click, clinicians can send the case to the laboratory or receive a pre-project ready for review. At the same time, dental technicians can share proposals, revisions, and STL files directly inside the Implant 3D environment.

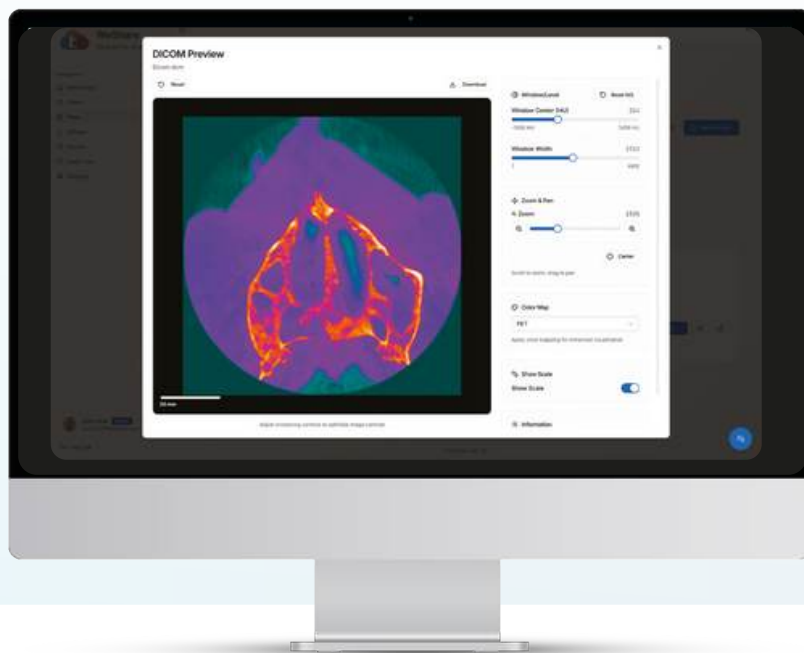
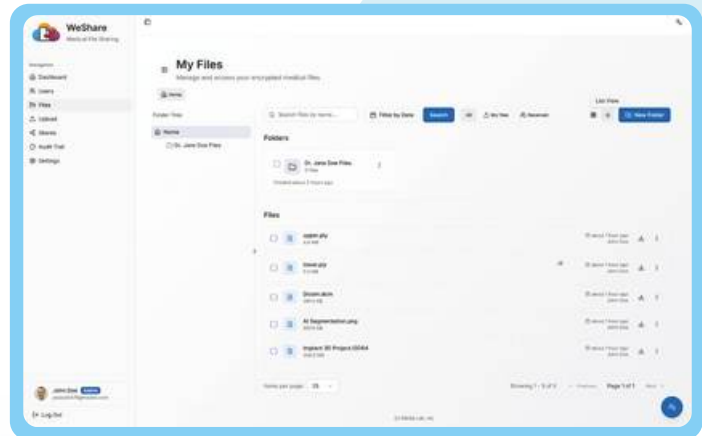
No more heavy emails, temporary links, or scattered files: **everything is centralized, organized, and accessible at any time.**



Security, Speed, and Seamless Integration

WeShare is designed to be:

- **Secure.** All files are transferred through encrypted protocols and stored on a protected platform.
- **Integrated.** It is built directly into Implant 3D without external software
- **Immediate.** Sending or receiving a case takes only a few seconds, with no technical expertise required.



A Better Way to Work Together

WeShare enhances collaboration quality and increases productivity for the entire team. Clinicians and technicians work as one, with smooth, structured communication that elevates the final treatment outcome.

WeShare is not just sharing. It is efficiency, precision, and stronger professional synergy.

The Universal Surgical Kit

Precision, Durability, Innovation



The **Universal Surgical Kit** was born from the experience of professionals and the continuous evolution of the Implant 3D digital workflow. Designed to ensure maximum precision in every phase of implant surgery, the kit represents the perfect combination of ergonomics, reliability, and surgical performance.

The entire system has been engineered to offer clinicians an even more intuitive, versatile, and durable solution, while maintaining compatibility with a wide range of implant protocols and with all surgical guides designed through Implant 3D.

Next-generation drills – sharper, stronger, more efficient

At the heart of the kit is a new generation of drills, developed with optimized geometries to improve cutting efficiency, osteotomy stability, and millimetric accuracy of the implant site. All drills undergo an advanced **DLC (Diamond-Like Carbon)** surface treatment, ensuring:

This treatment, commonly used in high-tech industries, elevates the quality and reliability of surgical instruments to a superior level.





Additional components: everything needed for complete guided surgery

The Universal Surgical Kit is not just a set of drills—it is a complete platform designed to support every type of surgical guide, from tooth- and mucosa-supported guides to the most advanced **Stackable Guides**.

Among the available additional components:

- **Metal and PEEK sleeves:** Manufactured in both metal and PEEK, these sleeves ensure a stable and controlled drill trajectory, guaranteeing perfect correspondence between digital planning and surgical execution.
- **Magnets for stackable guides:** High-strength magnets that simplify the connection between surgical guide modules, ensuring stability, immediate repositioning, and maximum precision in complex full-arch rehabilitations.
- **Universal Stent:** A tool designed and patented by Media Lab that optimizes the matching between STL and DICOM files.
- **Additional components:** lateral pins, drivers, crestal pin, guided mounters and dedicated accessories to optimize every step.

Complete list of the components of the surgical kit

DENTAL DRILL - SLEEVE 5.5 MM

- Guided surgery drill Ø 2.00x8 L DLC
- Guided surgery drill Ø 2.00x10 L DLC
- Guided Surgery Drill Ø 2.00x11.5 L DLC
- Guided surgery drill Ø 2.00x13 L DLC
- Guided surgery drill Ø 2,80x8 L DLC
- Guided surgery drill Ø 2,80x10 L DLC
- Guided surgery drill Ø 2.80x11.5 L DLC
- Guided surgery drill Ø 2,80x13 L DLC
- Guided surgery drill Ø 3,20x8 L DLC
- Guided surgery drill Ø 3,20x10 L DLC
- Guided surgery drill Ø 3.20x11.5 L DLC
- Guided surgery drill Ø 3,20x13 L DLC
- Guided surgery drill Ø 3.65x8 L DLC
- Guided surgery drill Ø 3,65x10 L DLC
- Guided surgery drill Ø 3.65x11.5 L DLC
- Guided surgery drill Ø 3,65x13 L DLC
- Guided surgery drill Ø 4,30x8 L DLC
- Guided surgery drill Ø 4,30x10 L DLC
- Guided surgery drill Ø 4.30x11.5 L DLC
- Guided surgery drill Ø 4,30x13 L DLC
- Guided surgery drill Ø 4,80x8 L DLC
- Guided surgery drill Ø 4,80x10 L DLC

ACCESSORIES

- Handpiece screwdriver e.g. 1.25 long
- Three-lobed handpiece extension
- Short tri-lobed ratchet extension
- Long three-lobed ratchet extension
- Torque wrench Ø 7.00 25-55 Ncm
- Extractor for connection fitter Ø 7.00
- Mucotome for guided Ø 4.15 L. 28 DLC
- Mucotome for guided Ø 5.50 L. 28 DLC
- Shoulder preparer for guided implantology Ø 4.15 DLC
- Shoulder preparer for guided implantology Ø 5.50 DLC
- Universal Stent
- Lateral pin drill Ø 1.50 DLC
- Aesthetic Drill
- Empty Tray
- Titanium Implant Support

DENTAL DRILL - SLEEVE 4.15 MM

- Guided surgery drill Ø 2,00x8 S DLC
- Guided Surgery Drill Ø 2,00x10 S DLC
- Guided surgery drill Ø 2.00x11.5 S DLC
- Guided Surgery Drill Ø 2,00x13 S DLC
- Guided Surgery Drill Ø 2,80x8 S DLC
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- Guided surgery drill Ø 3,65x8 S DLC
- Guided Surgery Drill Ø 3,65x10 S DLC
- Guided surgery drill Ø 3.65x11.5 S DLC
- Guided Surgery Drill Ø 3,65x13 S DLC

TORQUE WRENCH

- Torque wrench Ø 7.00 25-55 Ncm
- Semados® dynamometric ratchet
- Short extension cable compatible with Semados® key
- Long extension compatible Semados® key
- Lateral Pin

SLEEVE

- 4.15 mm Sleeve
- 5.5 mm Sleeve
- 4.15 mm Peek reducer sleeve
- 5.5 mm Peek sleeve
- Aesthetic Sleeve
- Lateral pin Sleeve
- Metal magnets
- Gold magnets

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