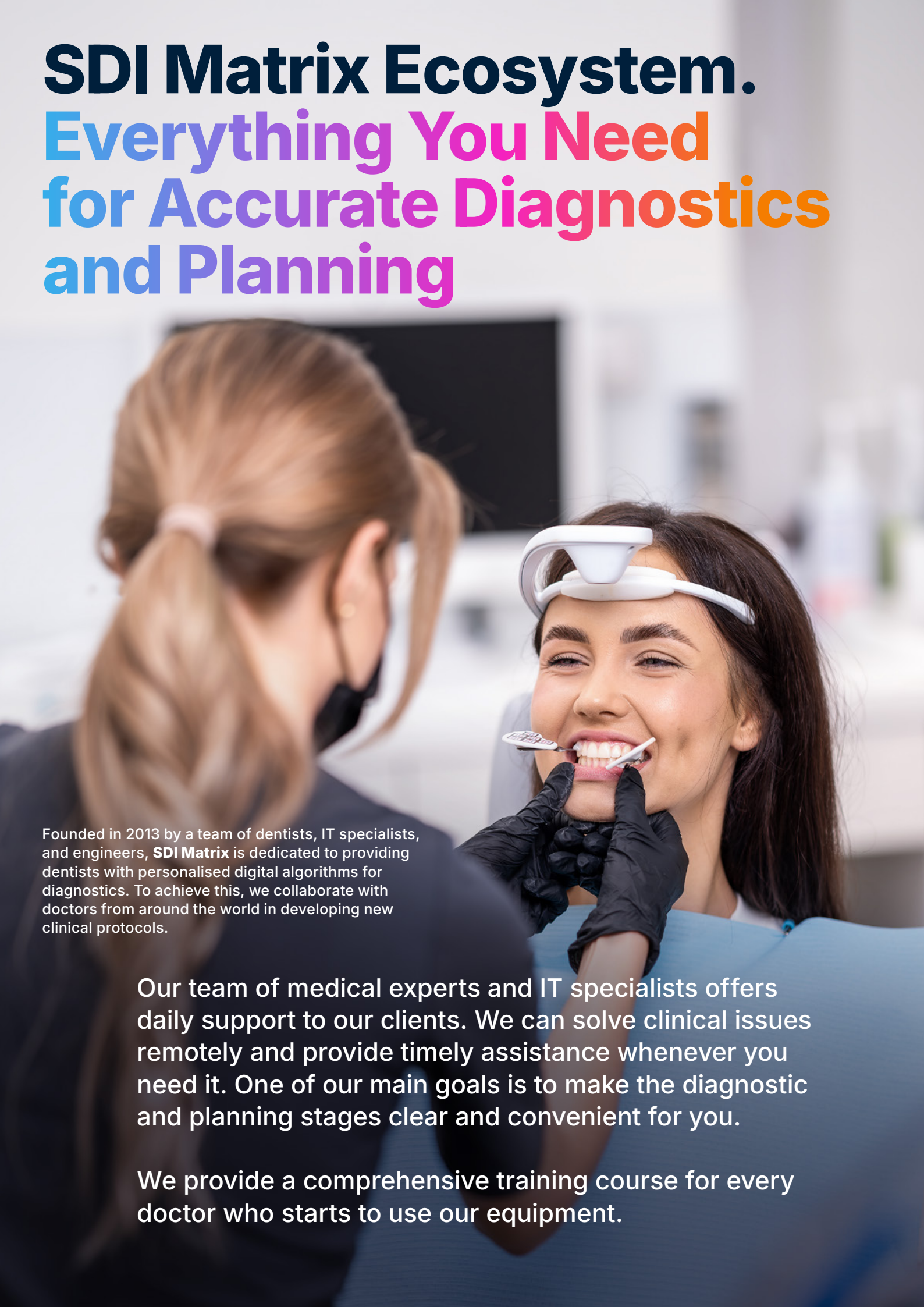


Digital Ecosystem for Diagnostics and Treatment Planning



SDI Matrix Ecosystem. Everything You Need for Accurate Diagnostics and Planning



Founded in 2013 by a team of dentists, IT specialists, and engineers, **SDI Matrix** is dedicated to providing dentists with personalised digital algorithms for diagnostics. To achieve this, we collaborate with doctors from around the world in developing new clinical protocols.

Our team of medical experts and IT specialists offers daily support to our clients. We can solve clinical issues remotely and provide timely assistance whenever you need it. One of our main goals is to make the diagnostic and planning stages clear and convenient for you.

We provide a comprehensive training course for every doctor who starts to use our equipment.

SDI Matrix.

Precision Controlled at Every Stage

SDI Matrix technologies are more than just tools—they represent a new standard of precision, speed, and confidence at every clinical stage. We help doctors exceed expectations working faster, and better—for patients who demand perfect results.



Optical **SDI Jaw Tracker** is designed to record the movements of the patient's lower jaw. It supports complex protocols such as axiography + myography, axiography + TENS, and axiography + myography + TENS. We simplified its design to make functional diagnostics more accessible, while maintaining unparalleled measurement accuracy.



SDI Digital Bow is essential for working within a fully digital protocol. It is the only universal solution for both analogue and digital formats. While it can be used for mounting models, its primary function is to register the position of the upper jaw and export this data to CAD softwares like Exocad, InLab, ZirconZahn, Nemotec, and Ceramill, ensuring complete compatibility and freedom of choice for practitioners.



SDI Myograph & TENS Functionality not only records muscle activity but also allows you to adjust muscle tone using stimulation with microcurrents. This opens new possibilities for diagnosing and correcting occlusion.



ProStand is designed for mounting models in any analogue articulator. It is the only universal solution that allows mounting according to any known reference I plane.



SDI Studio is a comprehensive software solution for diagnostics and treatment planning. It integrates data from axiography, myography, TENS, CT scans, and facial scans, enabling the creation of a digital model of the patient for detailed analysis. Its planning features enables precise treatment outcome predictions, minimising errors. In SDI Studio, we have seamlessly connected the clinical and laboratory stages, allowing all acquired data to be exported directly to technicians anywhere in the world.

Optical SDI Jaw Tracker.

Detailed Analysis of Lower Jaw Movements



€12,990

SDI Jaw Tracker is not just a device—it's your key to flawless diagnostics. A single camera is enough to capture the trajectories of lower jaw movements in real time. This allows you to analyse dynamic occlusion, visualise balancing contacts, and observe even the most complex movements of the temporomandibular joints.

With advanced real-time data analysis, you can design prosthesis, create restorations, and plan orthodontic treatments based on each patient's individual biomechanics.

Key Features

Convenient Camera Mount

The lightweight camera securely and comfortably attaches to the patient's head, ensuring stability and consistent tracking of markers within the field of view. This guarantees uninterrupted accuracy in recording movements.

Precision Measurements

Markers are attached directly to the teeth, preventing accidental shifts. This allows you to record every movement with absolute precision—even the most complex trajectories.

Lightweight Markers

Ultra-lightweight metal holders eliminate discomfort, enabling diagnostics even in challenging clinical cases. You can accurately capture lower jaw movements even in patients with braces or with removable dentures.

Indispensable for Complex Cases

SDI Jaw Tracker performs flawlessly in challenging clinical scenarios—such as deep bites, significant tooth loss, or orthodontic appliances. You always receive reliable data for effective planning.

Compact Size

The entire set fits into a small hand-held box, taking up no more space than a laptop. This makes it easy to move between clinics while maintaining maximum diagnostic accuracy.



SDI Digital Face Bow. A New Universal Solution for Registering the Prosthetic Plane Position



The first **SDI Face Bow** of its kind, with no analogues on the market, can be used in both digital and analogue formats. It is perfectly suited for the Digital Smile Design concept, allowing technicians to work with personalised parameters for the upper jaw's position. When combined with the **3D ProStand**, it opens up a new, individualised approach to model mounting in articulators.

Includes

Digital Face Bow
3 Forks

Compatible with

Exocad, Zirkonzahn,
Ceramill, Cerec

SDI ProStand. The Ultimate Universal Solution for Precision Model Mounting



€933

SDI ProStand is the first universal stand for model mounting that takes into account the individual spatial parameters of the upper jaw. It introduces a new level of personalised model mounting based on CBCT data. You can precisely control the positioning of models in articulators, ensuring alignment with anatomical planes.

Compatible with Articulator Systems

Amann Girrbach,
Bio-art, Gamma,
Kavo, SAM, Stratos

Additional Base for Other Systems

€399

Key Features

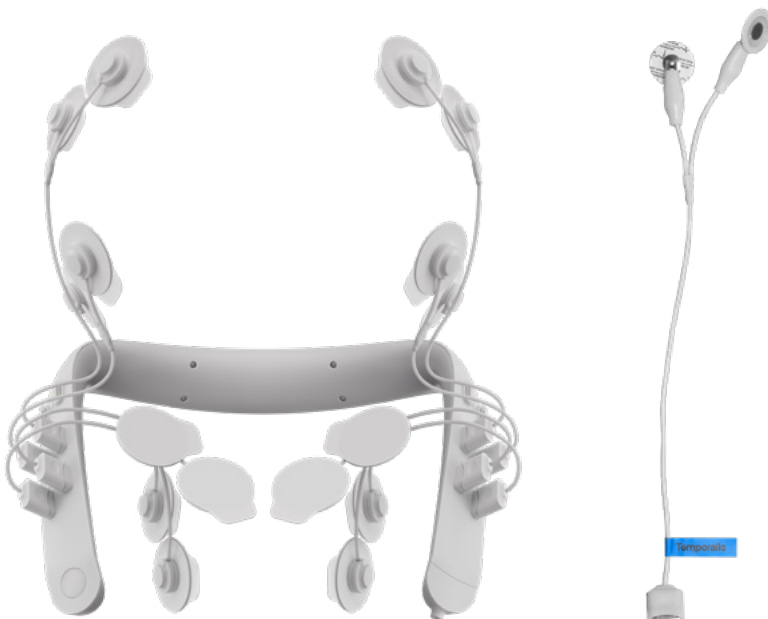
- Universal, fully adjustable stand for mounted analogue models in articulators
- Adjustable based on registered Natural Head Position data
- Adjustable based on CBCT data

SDI Myograph & TENS.

Complete Control Over Muscle Function and Lower Jaw Position

€7,950

The **SDI Myograph & TENS** is more than just a diagnostic device—it's your intelligent assistant for achieving balanced occlusion. It records the electrical activity of the superficial masticatory muscles, detecting even the slightest signs of dysfunction and asymmetry. The integrated **TENS function** enables muscle adjustments and helps determine the myodynamic position of the lower jaw.



With the **SDI Matrix Myograph**, you gain a comprehensive understanding of the condition of the masticatory muscles and the ability to quickly correct any detected issues.



Key Features

Wireless Technology

Eliminates the hassle of securing equipment to the patient. Advanced electric noise filtering algorithms ensure high accuracy and reliability of results.

Multichannel Mode

Supports detailed analysis with **8 myographic channels** and targeted adjustments using **4 TENS channels**.

Real-Time Myomonitoring

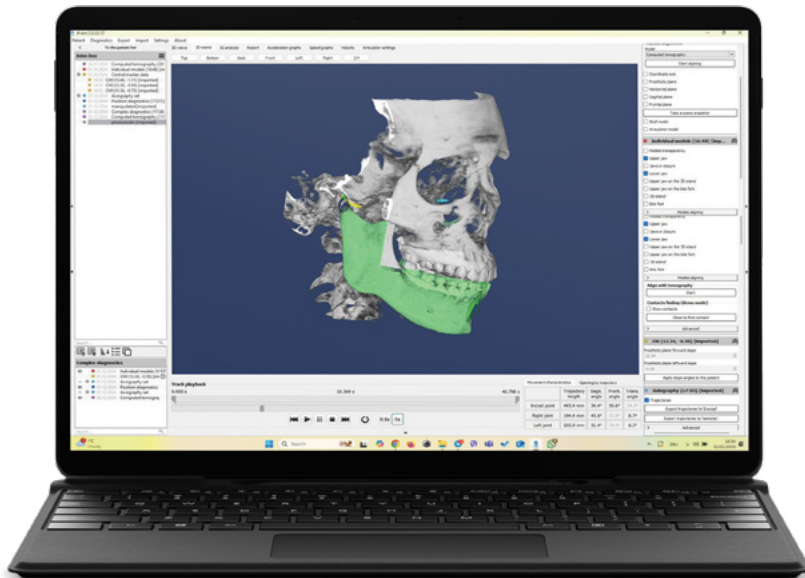
Utilises new algorithms for the integrated use of the myograph and axiograph. Simultaneously tracks muscle activity and lower jaw movements for a complete analysis.

Magnetic Connectors

Magnetic electrode attachments prevent connection errors—ensuring secure and intuitive use.



SDI Studio. The Ultimate Platform for Diagnostics and Treatment Planning



SDI Studio is a comprehensive software solution designed to support a wide range of diagnostic approaches. It integrates data from the **Optical Axiograph, Myograph, CT scans**, and facial scans to create a detailed 3D model of the patient. This enables precise analysis of movement pathologies, optimal positioning of the jaw, and even animation of jaw movements for clearer diagnostics.

Key Features

Flexibility for Multiple Diagnostic Approaches

SDI Studio supports any diagnostic method — from masticatory muscle analysis to bone structure calculations — allowing clinicians to choose the techniques best suited for their specific cases.

Accurate Data Transfer for Dental Laboratories

Markers are attached directly to the teeth, preventing accidental shifts. This allows you to record every movement with absolute precision — even the most complex trajectories.

Seamless Integration of All Treatment Stages

SDI Studio bridges the clinical and laboratory stages, helping not only to identify problems but also to define their solutions. This reduces planning time and minimises errors at every stage.

Advanced Analytical Capabilities

The software offers in-depth analysis of occlusion, symmetry, and muscle tone, as well as aesthetic calculations for planning restorations.

System requirements

CPU
Video card
RAM
SSD
Operating system

Minimal

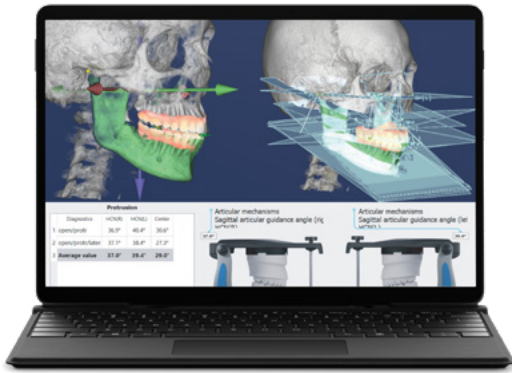
Intel® Core™ i5 Gen 8
NVIDIA® GeForce® GTX 1650
16 Gb
250 Gb
Windows 10/11 (64 bit)

Recommended

Intel® Core™ i7 Gen 12
NVIDIA® GeForce® RTX 3050
32 Gb
1 Tb
Windows 10/11 (64 bit)

Prosthetic Module

€1,299



The **Prosthetic Module** enables 3D construction of the occlusal plane and accurate calculation of bite height using the **digital variator**.

Key Features

Automatic Data Analysis for precise articulator programming.

3D Construction of the occlusal plane and the **Monson sphere**.

Export Capabilities for these planes as 3D objects to various modelling software.

Digital Variator for planning a new lower jaw position.

Cephalometric Calculations based on CBCT data for advanced planning.

Comprehensive Protocol Generation for seamless laboratory workflows.

Dynamic Cephalometric Analysis for real-time diagnostics.

Automated Cephalometric Prosthetic Analysis for efficient planning.

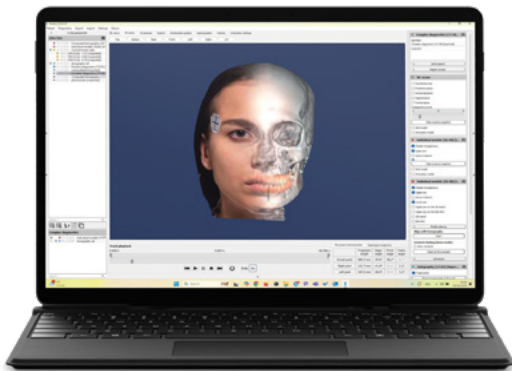
Simplified and Automatic Analysis of complex data sets.

Automatic Joint Position Analysis (under development).

MRI Data Analysis for enhanced diagnostic capabilities.

SDI Face

€1,299



The **SDI Face** scanner enables the creation of a full 3D model of the (human head) face. Specifically designed for treatment planning, it features **dynamic correction** of the scan, allowing you to visualise the anticipated treatment outcomes at the planning and approval stages. The animation function shows jaw movements before and after treatment for a clearer diagnostic perspective.

Key Features

New Algorithm

Constructs a 3D face scan from photos with high accuracy.

Cephalometric Analysis

Provides a comprehensive assessment of facial and cranial proportions for precise diagnostics and planning.

Dynamic Facial Analysis

Evaluates changes in facial structure considering the therapeutic position of the lower jaw.

Full Face Scan Integration

Incorporates smile analysis and intraoral scan data for comprehensive diagnostics.

File Export

Supports **OBJ format** for seamless integration into CAD software.

Personalised Training After Purchase

After purchasing our equipment, every client receives personalised training. We provide detailed instructions on how to work with the **SDI Jaw Tracker**, **SDI Myograph & TENS**, and **SDI Studio** software.

You will learn how to take precise measurements, process data, and leverage the full potential of our software for accurate diagnostics and treatment planning. This ensures fast and effective mastery of the equipment, allowing for seamless integration into your daily practice.



Professional Support Without Compromise

With **SDI Matrix**, you can always rely on professional support—ensuring confidence in every clinical decision you make.

Our team of experienced doctors and technical specialists is always ready to assist—whether it's a clinical case or a technical issue. With online support, we can quickly resolve any questions related to equipment setup or software operation.

Ready to See SDI Matrix in Action?

Contact us, and we'll arrange an online demo for you. Discover how our equipment and SDI Studio can simplify diagnostics and treatment planning.

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