



THE DIGITAL FACEBOW

Accurate fit of dental prosthetics
by considering physiological
movement patterns



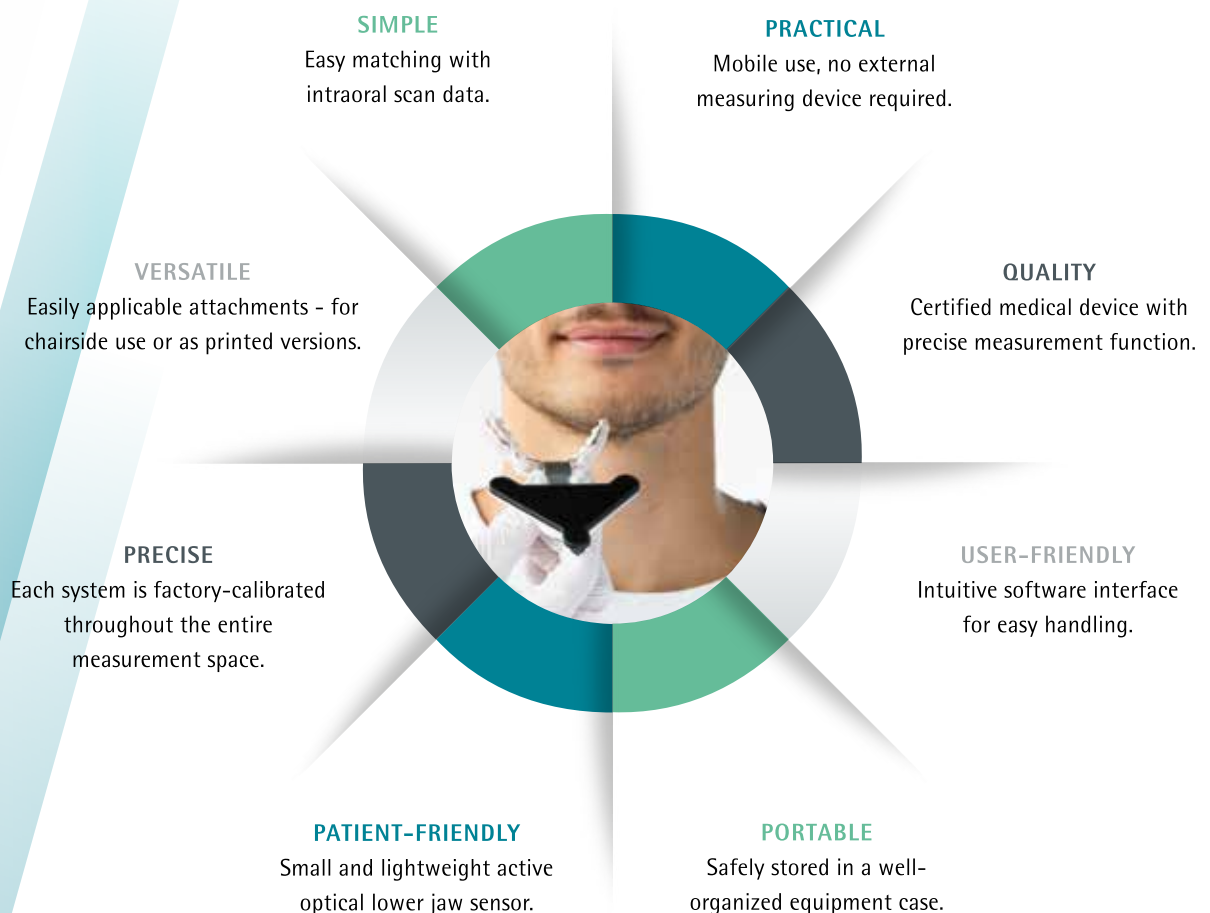
WELCOME TO THE WORLD OF FUNCTIONAL DIGITAL DENTISTRY

The JMA-Optic system from zebris sets new standards in digital dentistry.

State-of-the-art optical sensor technology enables a detailed analysis of all degrees of freedom of the lower jaw. This makes the zebris system an essential tool for precise diagnostics, accurate therapy planning, and prosthetic rehabilitation.

Seamless integration into digital workflows significantly simplifies daily operations in dental clinics and laboratories – enabling efficient and patient-specific treatment implementation.

Advantages at a glance...



THE DIGITAL FACEBOW

The JMA-Optic system from zebris provides a precise foundation for functional dental prosthetics and optimal patient care.



Features

1. Articulator

Transfer of maxillary position and setting parameters to mechanical and virtual articulators.

2. Dynamic digital occlusion analysis

Real-time display and analysis of frequent and summarized occlusal contacts.

3. Determination of therapeutic jaw relations

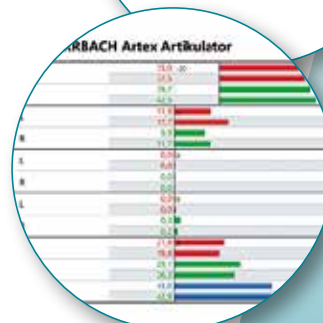
Consideration of physiological movement patterns and condyle position.

4. Transfer to external CAD systems

Data export of all relevant setting, position, and movement data.

5. Documentation

Treatment traceability and security through clear evaluation reports.

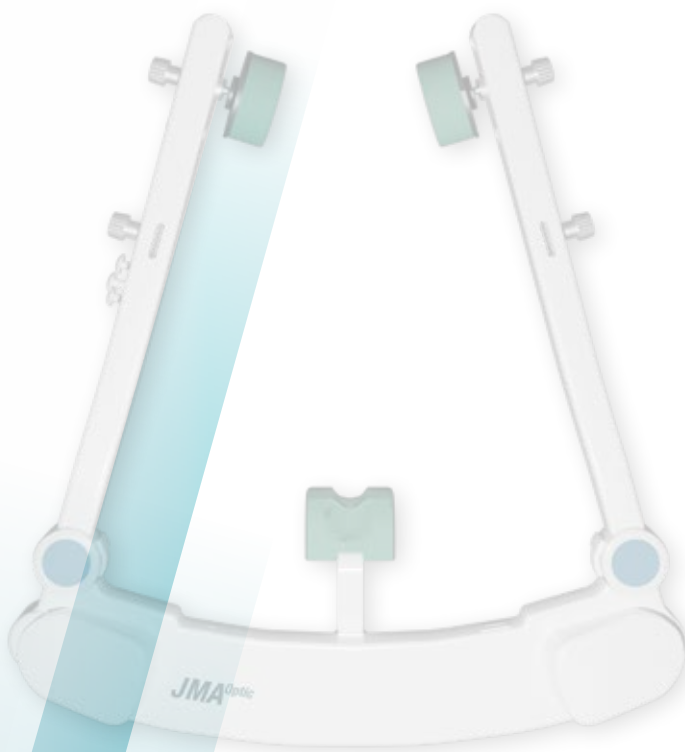


THE DIGITAL FACEBOW

The DIGITAL FACEBOW from zebris captures patient-specific parameters for precise prosthetic care.

Software Modules

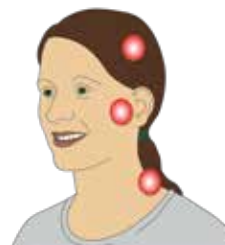
For both analogue and fully digital workflows, the system provides two core modules: **ARTICULATOR** and **FUNCTION AND DIGITAL OCCLUSION**. Additional software modules are available for specific applications, for example to support CMDfact® and for neuromuscular jaw relation analysis. A module for **EMG ANALYSIS** is currently in development.



ARTICULATOR MODULE
Determination of patient-specific articulator settings and XML export.



FUNCTION AND DIGITAL OCCLUSION
Determination of contact situations, jaw relations, facial features, and functional analyses.



FUNCTION
Softwaremodul for functional analysis and evaluation with CMDfact®.

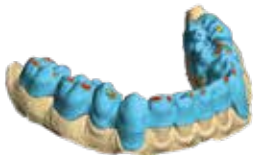


EMG ANALYSIS
Analysis of muscle action potentials for functional diagnostics.

SOFTWARE EXTENSIONS



ATTACHMENT-DESIGNER
Individual planning and creation of printed attachments.



SPLINT DESIGNER
Creation of precisely fitting therapeutic comfort (CTS) and positioning splints (PTS).



BITE-OPTIMIZER
Correction of unwanted intersections in IO scans.



MATCHING OF IO SCANS, FACE SCANS, AND CBCT DATA
New possibilities for planning and treatment.



MORPHING OF FACIAL SOFT TISSUES
Visualization of facial aesthetics in any jaw positions and movements.



Transfer to external CAD systems

exocad

MEDIT

SCHAU
Dental Technology

Baumann Dental

3shape

SICAT

OnyxCeph^{3TM}

Zirkonzahn

Dentsply Sirona

smilecloud

SYSTEM COMPONENTS

The JMA-Optic System includes the following components:



DIGITAL FACEBOW

...with a high-precision optical sensor



C-POSITIONER

...for determining the reference plane and facial features



ATTACHMENT

...for attaching the sensor to the lower jaw



BITE FORK

...for transferring the upper jaw position to the articulator



ALIGNMENT FORK

...for measuring the upper jaw position



PREMIUM TRANSPORT CASE

...for mobile use

..... optional



OUR RECOMMENDATION: NOTEBOOK CART

...order the system with a pre-installed notebook

..... optional



FOOT OR HAND SWITCH

...for remote control of the software and measurement process



INDUCTIVE CHARGER & TABLE MOUNT

...for safe storage



THE ZEBRIS CUSTOMER PLATFORM

Your digital hub for service, support, and collaboration

The zebris Customer Platform is your digital companion for optimal use of the zebris JMA-Optic System. From secure data storage and user rights management to support and service functions – all combined on one platform.

Services and features of our Customer Platform

- **Central Data Storage & Data Sharing**
Access your data from anywhere and share it with your team.
- **Cross-location collaboration**
All practice or laboratory locations work on a shared data platform.
- **Secure backup (optional)**
Prevent data loss through regular automatic backups.
- **Client & user management**
Individual user rights for efficient and secure administration.
- **Support ticket system**
Direct contact with the zebris service team for quick issue resolution.
- **Knowledge base & documentation**
Access to user manuals, guides, FAQs and training videos.
- **Product status & accessory overview**
Keep track of your devices and available accessories.
- **Partner network**
Find experts and connect with fellow professionals.
- **Product videos & scientific literature**
Gain valuable insights into practical use and current research findings.



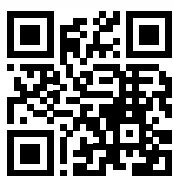


FIND OUT MORE

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