THE DIGITAL FACEBOW

Accurate fit of dental prosthetics by considering physiological movement patterns

zebris

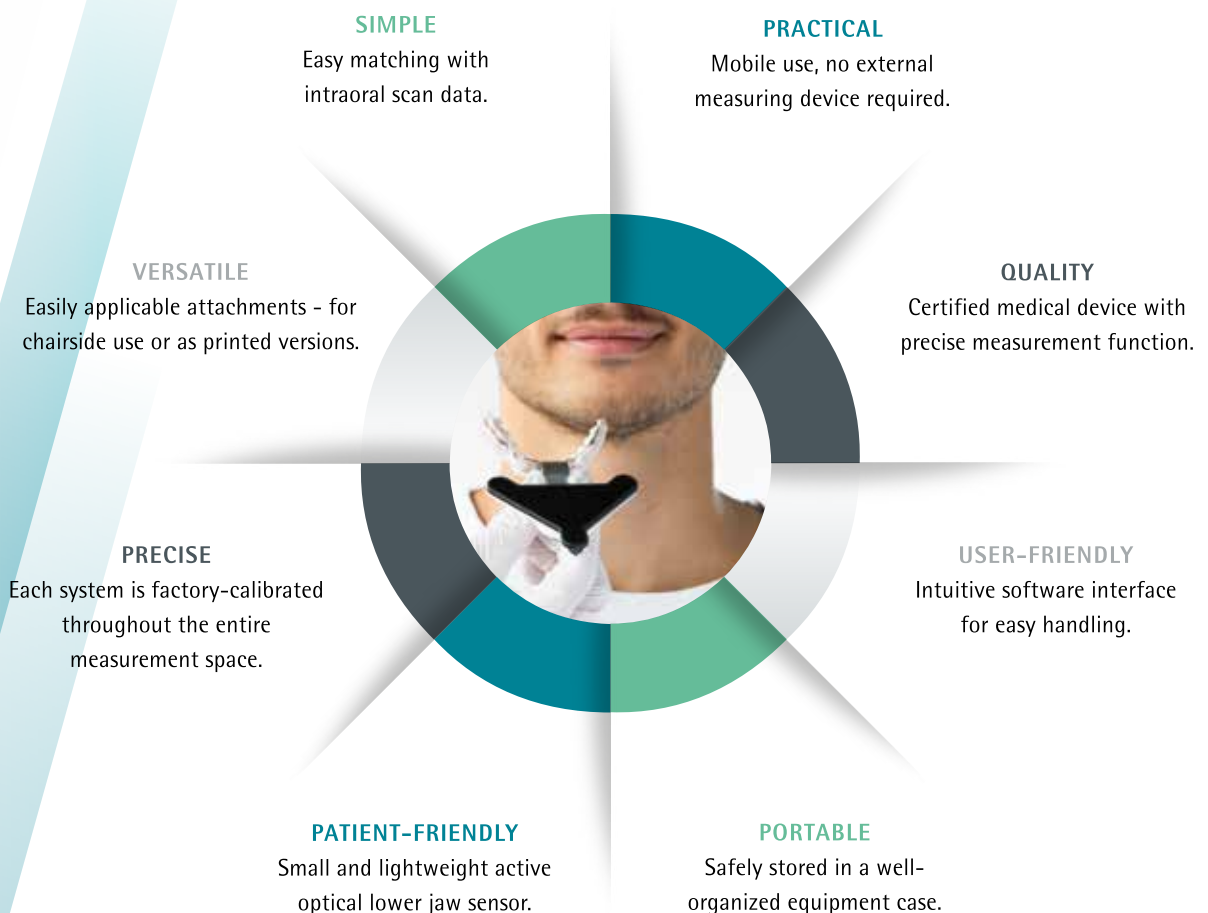# WELCOME TO THE WORLD OF FUNCTIONAL DIGITAL DENTISTRY

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...

SIMPLE
Easy matching with intraoral scan data.

PRACTICAL
Mobile use, no external measuring device required.

VERSATILE
Easily applicable attachments - for chairside use or as printed versions.

QUALITY
Certified medical device with precise measurement function.

PRECISE
Each system is factory-calibrated throughout the entire measurement space.

USER-FRIENDLY
Intuitive software interface for easy handling.

PATIENT-FRIENDLY
Small and lightweight active optical lower jaw sensor.

PORTABLE
Safely stored in a well-organized equipment case.

THE DIGITAL FACEBOW

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

CE 2797

Features

1. Articulator
Transfer of maxillary position and setting para-
meters to mechanical and virtual articulators.

2. Dynamic digital occlusion analysis
Real-time display and analysis of frequent
and summarized occlusal contacts.
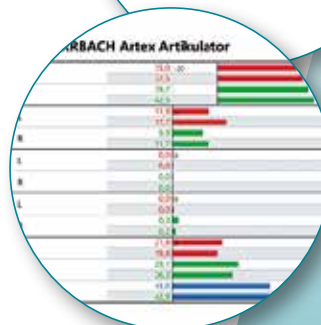
3. Determination of therapeutic jaw relations
Consideration of physiological movement
patterns and condyle position.

4. Transfer to external CAD systems
Data export of all relevant setting, position,
and movement data.

5. Documentation
Treatment traceability and security
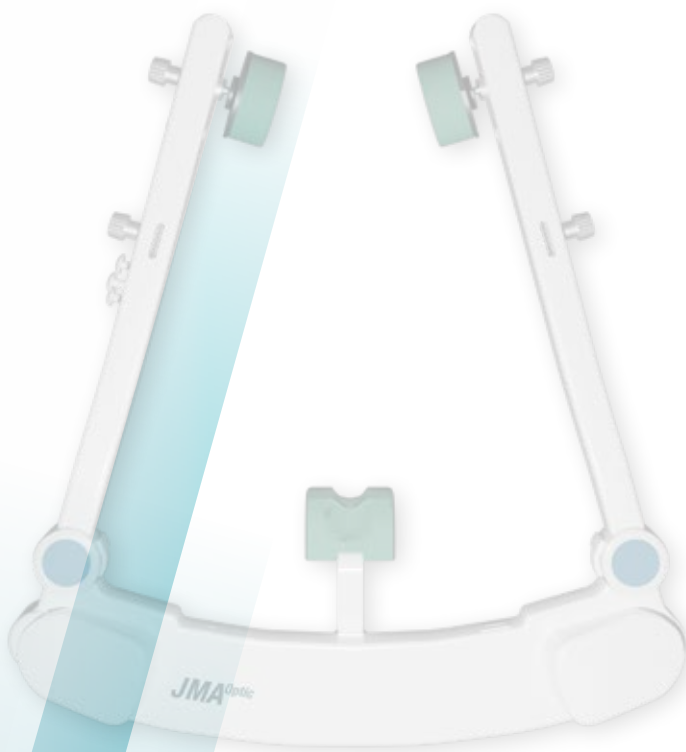through clear evaluation reports.

THE DIGITAL FACEBOW

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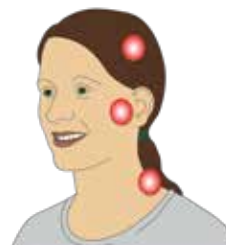
Software Modules

For both analogue and fully digital workflows, the system provides two core modules: ARTICULATOR (included as standard) and FUNCTION AND DIGITAL OCCLUSION (optional). Additional software modules are available for specific applications, for example to support CMDfact®. 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.

CMDFACT® INTERACTOR
Functional analysis and evaluation with CMDfact® and CMDtrace®.

EMG ANALYSIS
Analysis of muscle action potentials for functional diagnostics.

Coming soon

NEW FEATURES

ATTACHMENT–DESIGNER
Individual planning and crea-
tion of printed attachments.

NEW

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

NEW

BITE–OPTIMIZER
Correction of unwanted
intersections in IO scans.

NEW

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

NEW

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

Coming
soon

Transfer to external CAD systems

exocad

MEDIT

SCHEU
Dental Technology

3shape

SICAT

OnyxCeph³ᵀᴹ

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

**INDUCTIVE CHARGER
& TABLE MOUNT**
...for safe storage

**PREMIUM
TRANSPORT CASE**
...for mobile use

**OUR RECOMMENDATION:
NOTEBOOK CART**
...order the system with
a pre-installed notebook

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.

AVAILABLE FROM JUNE 2025

Take full advantage of the zebris Customer Platform!
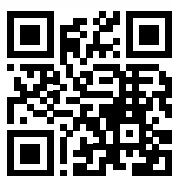
Find out more:

www.zebris.de/zcp

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FIND OUT MORE

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