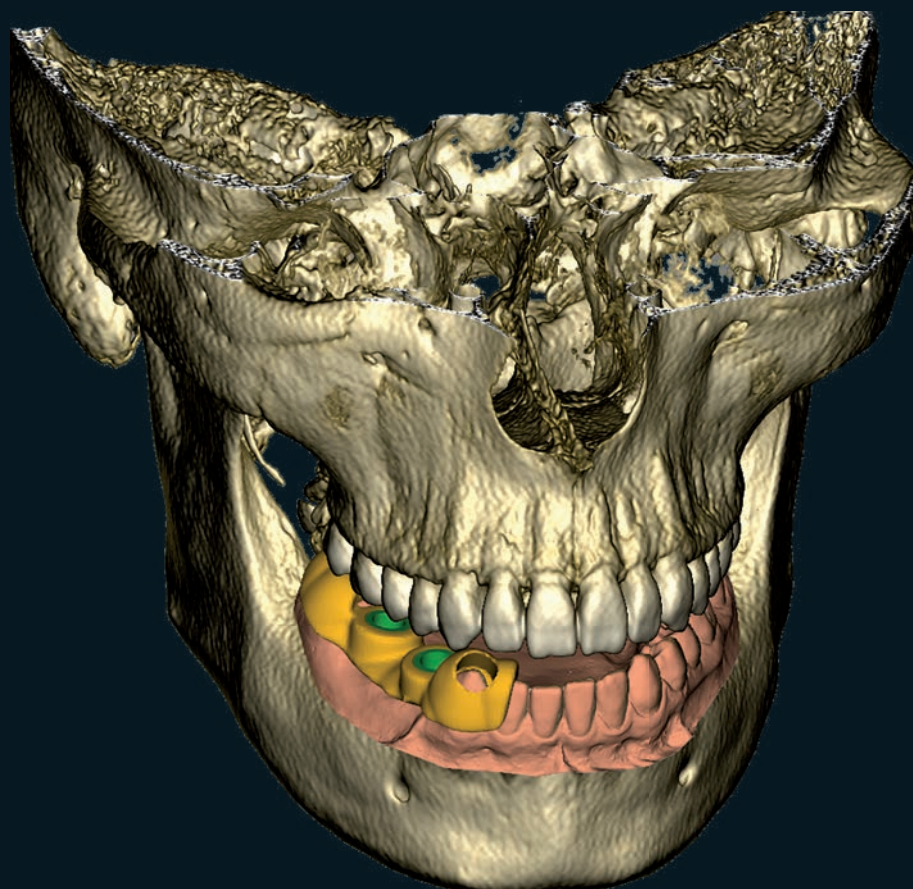# Zirkonzahn®
*Human Zirconium Technology*

# ZIRKONZAHN.IMPLANT-PLANNER

*Safe planning in implant prosthetics*

# ZIRKONZAHN.IMPLANT-PLANNER

With the Zirkonzahn.Implant-Planner implant planning software, the cooperation between the dentist and the dental laboratory can be taken to new levels, reconciling the planned aesthetic design of a prosthetic restoration with the planned implant situation (backward planning). Based on digitally merged patient data (such as DICOM data or data from model or facial scans), the dentist can determine the optimal implant position in terms of function, anatomy, and aesthetics, taking bone structure into account. The user is guided through the planning process one step at a time, making implant planning an easy task right from the outset and requiring only a minimum of user familiarity with software procedures. With the data transfer feature the data can easily be send to the dental lab. Here, the surgical guides, the restorations, the custom impression trays and/or the models with laboratory analogues are made. This allows the dentist to receive all components required for an implant case simultaneously (immediate loading). All structures – from drilling stents to the prosthetic restoration itself – can be fabricated using the Zirkonzahn CAD/CAM system. Every step fits in perfectly with the existing Zirkonzahn workflow. The open data-exchange feature allows the use of CAD/CAM systems by other manufacturers or 3D printers to produce surgical guides or models.

## FEATURES AT A GLANCE

- Intuitive-to-use application offering step-by-step guidance

- Safe and secure data exchange between the dentist and dental technician

- Two variants: a modular version for the commercial or in-office laboratory and a version
  for the dental treatment provider that includes all the relevant functional tools for implant planning

- Display and management of DICOM data of any type and from any CT/CBCT device

- Export of DICOM data as STL files for downstream processing using other CAD software

- Import of scan data in any format (intraoral, model, facial scans);
  fast and accurate matching with existing DICOM 3D data

- Implant libraries for all major implant systems with the matching prosthetic components

- Export of the planned implant case for further processing by other software (ideally Zirkonzahn.Modellier)

- Data transfer function for safe, secure, and reliable data exchange between the dentist and dental technician

## SYSTEM REQUIREMENTS

- RAM: at least 8 GB

- Graphics card: NVIDIA/2 GB of video RAM

- CPU: Intel Quad-Core, 3.5 GHz

*Fig. 1: Planning the implant position using DICOM data and a previous tooth setup at sites 36, 35, 45, and 46. The sectional views of the 3D X-ray images help find the best possible implant position in aesthetic and functional terms, taking bone structure into account.*
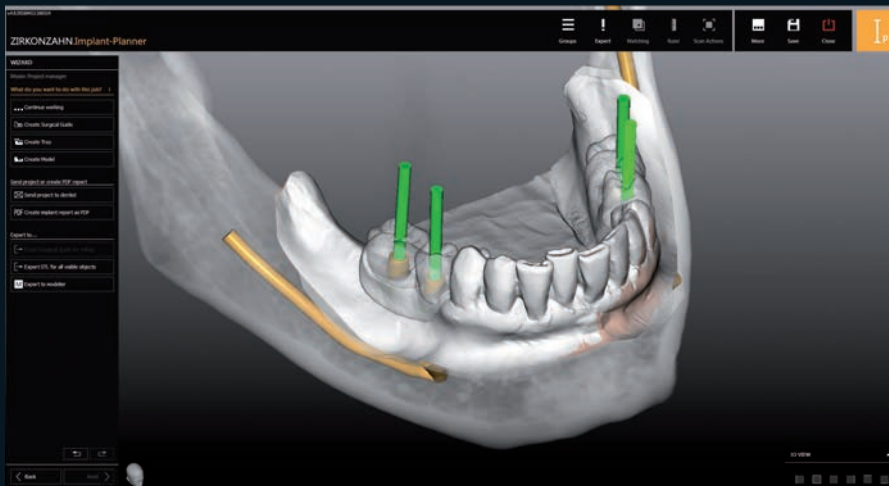


*Fig. 2: The planned titanium bases are well visible under the tooth and corresponding gingival tissue, shown here as semi-transparent.*
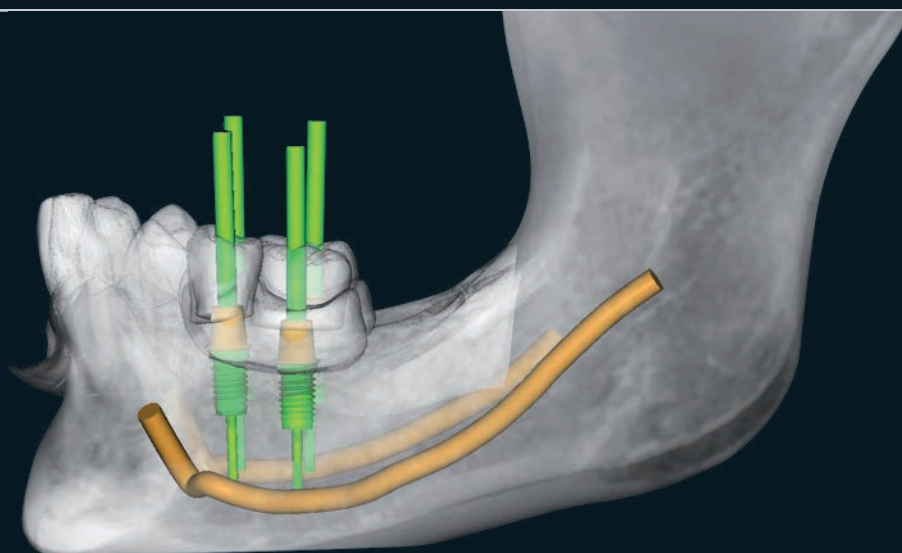


*Fig. 3: The finished virtual model of the surgical guide with apertures to check for proper intraoral seating. The data can now be exported to produce the surgical guide.*

# HUMAN ZIRCONIUM TECHNOLOGY

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