DCARER

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Official Hotline



Dental Implant Navigation Equipment

Suzhou DCARER Medical Technology Co., Ltd

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Dental Implant Navigation Equipment

The DCARER Real-time Dynamic Navigation System visualizes the position of structures and the dynamic implantation process during surgery. It provides real-time guidance for output, angle, and depth, significantly improving the precision of implant placement.









Simple & User-Friendly

Easy operation, quick to master
Same-day diagnosis and surgery

Precision Guidance

Real-time intraoperative targeting
with 0.01mm accuracy

Smart & Efficient

Equipped with DCARER Intelligent Algorithm System
Preliminary surgical plan design completed by a nurse in 3 minutes
Same-day diagnosis and surgery

Broad Adaptability

Suitable for diverse clinical cases
No specific surgical environment

Intelligent "China Core"

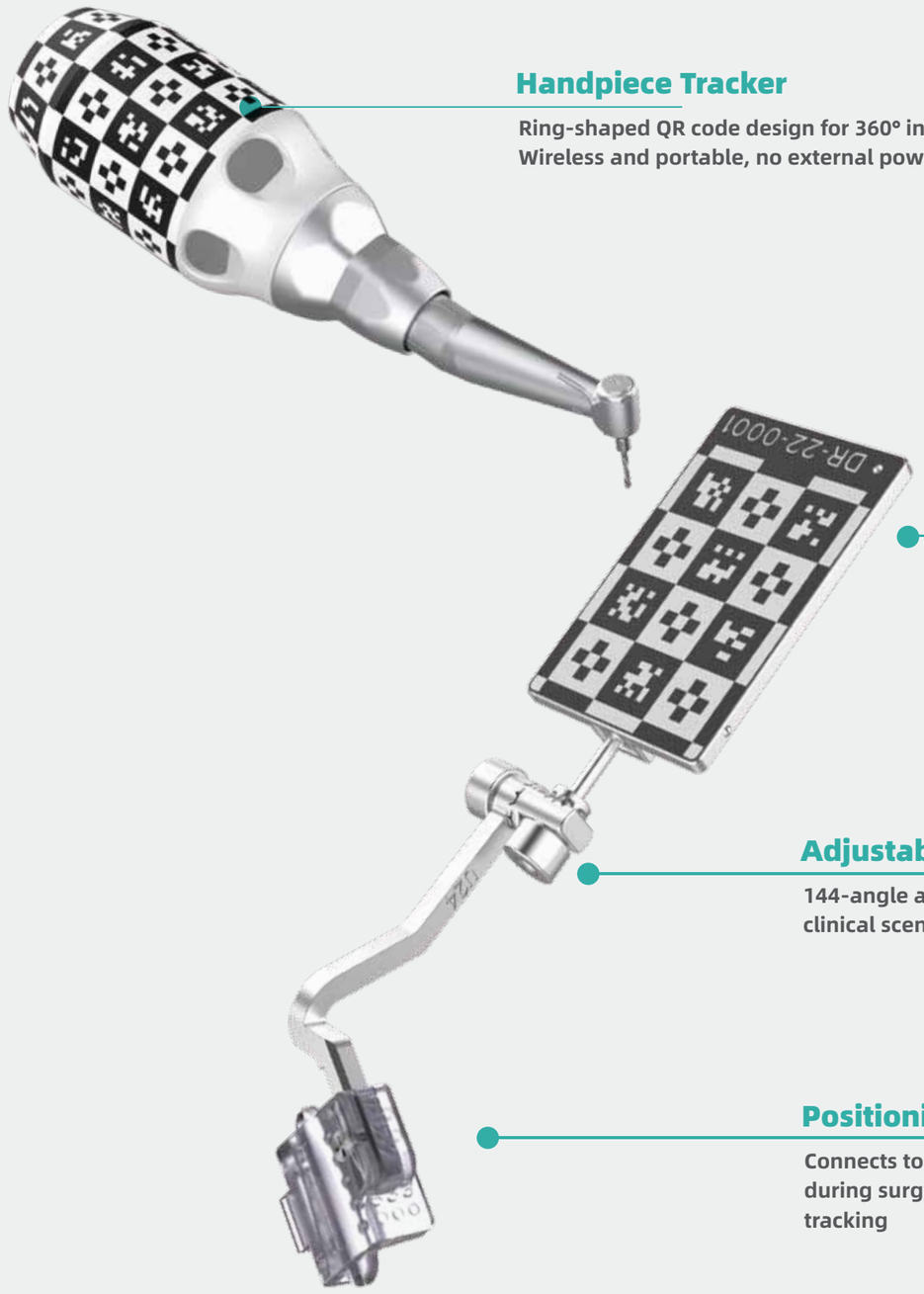
Made in China

DCARER Medical has over a decade of expertise in dental navigation technology, supported by a robust R&D team and advanced international technologies.

Infrared Tracking & Positioning System

DCARER's self-developed 4th-generation navigation tracking system offers high device compatibility and infrared tracking for standard markers.





Handpiece Tracker

Ring-shaped QR code design for 360° instrument recognition
Wireless and portable, no external power required

Reference Board

Lightweight, comfortable for patients
Adjustable and reusable after sterilization

Adjustable Connector

144-angle adjustments for versatile clinical scenarios

Positioning Fixture

Connects to the reference board during surgery to assist dynamic tracking

*Product specifications may vary based on final delivery. For details, refer to the official manual

Operational Workflow

Design Platform



Exclusive Doctor Accounts: Designed to create and manage client profiles with cloud-based medical record storage system, enabling seamless multi-device access and sharing.

01 Data Import

Integrate CT and intraoral scan data

02 Preoperative Planning

AI-assisted integration of panoramic imaging, bone layers, and scans

03 Implant Design

Prosthetically driven implant planning

04 Cloud Upload & Export

Directly upload plans to the cloud or export for on-site use

Navigation Platform



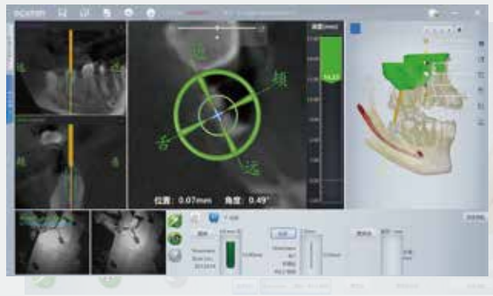
Plan Adjustment

Intraoperative fine-tuning by surgeons



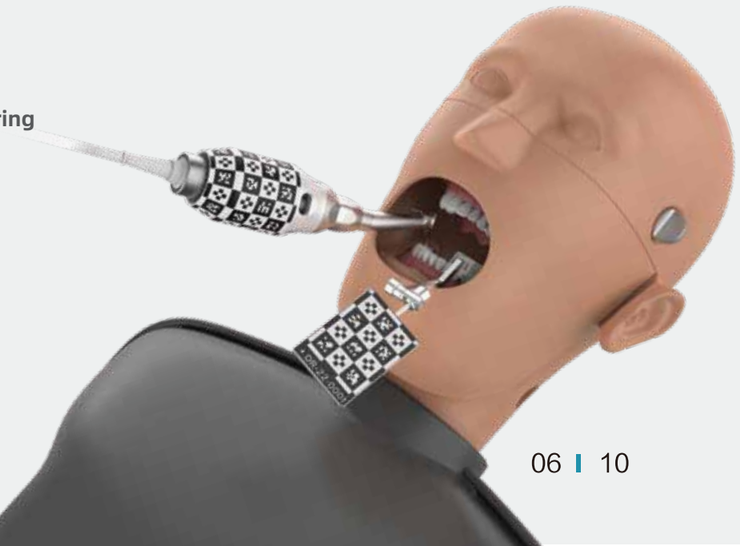
Registration

Match CBCT data with spatial positioning (3 registration methods available)



Real-time Navigation

No instrument calibration required
Direct CT-to-dynamic registration
Guided drilling with full-process monitoring





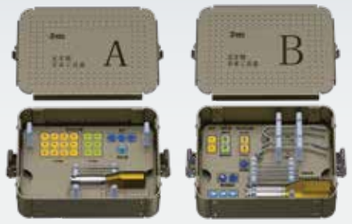
Handpiece Tracker
(handpiece not included)



Reference Board



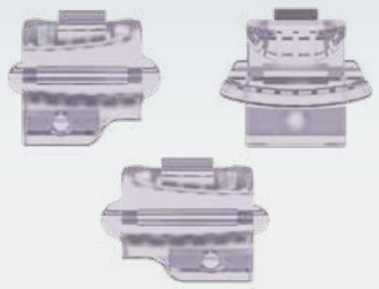
Navigation Tool Kit



Implant Drill Guide



Positioning Fixture



Positioning Fixture



NMPA

CE

100,000+
annual implant surgeries completed

15
Years of innovation

45+
Patents, exported globally

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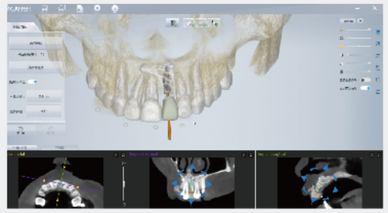
Immediate Implant & Restoration in Anterior Zone

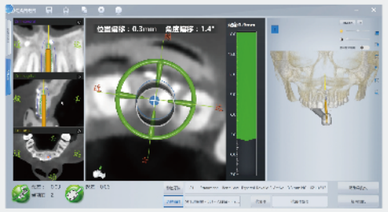
Dr. He Gang, Co-founder of Sunshine Dental Group



Design and Plan



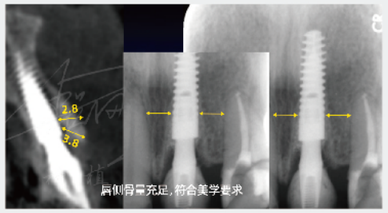
Pre-preparing before Surgery



Real-time Navigating



During the operation,prepare holes step by step according to the navigation.



Comparison

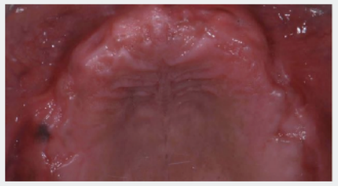


Preoperative and postoperative comparison

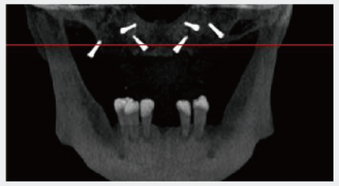
①The bone mass of the patients with missing teeth was very limited. Digital navigation equipment was used before operation to accurately design the implant site and axial direction with restoration -oriented.
②Follow the preoperative design to accurately implant implants, get the ideal three-dimensional position, and no bone graft, no flap minimally invasive implant, reduce postoperative pain.
③Immediate restoration after operation, good contour and shape of soft tissue through gingiva were obtained.

Bilateral Maxillary Pterygoid Implants

Dr. Chen Gang, Director of YouShan Training Center



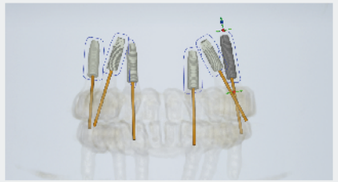
Preoperative Intraoral Clinical Photograph



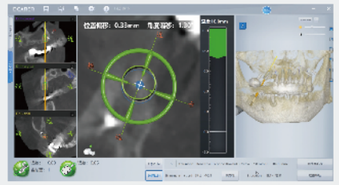
Preoperative Titanium Screw Implantation with CBCT



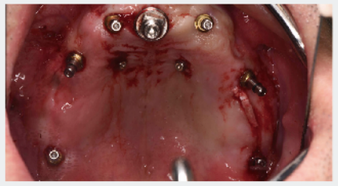
Radiographic guide and prefabricated temporary prosthesis



Implant Position Design Based on Integrated Intraoral Scan Data



Guided Implantation of Maxillary Dental Implants



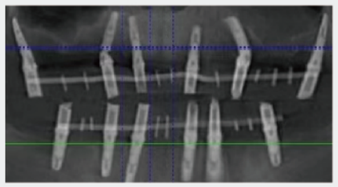
Intraoral photograph post-implantation



Fabrication of intraoral welded splint



Intraoral photograph of provisional prosthetic denture



Postoperative CT

①Minimally Invasive Precision Implantation:Accurate implant placement in compromised bone volume with avoidance of maxillary sinus perforation and pterygoid engagement, eliminating complex bone grafting while maximizing utilization of residual bone.
②Prosthetically Driven Implant Positioning:Optimal implant distribution with controlled anteroposterior (A-P) spread and emergence profile aligned to prosthetic requirements.
③Implant/Abutment Selection and Site Optimization:Preoperative selection of implant-abutment systems and alignment adjustment to establish a unified path of insertion.
④Prefabricated Prosthesis and Prosthetic Space Management:Prosthetic space pre-evaluation for welded framework fabrication and pre-contouring of provisional prosthesis to facilitate intraoperative relining.