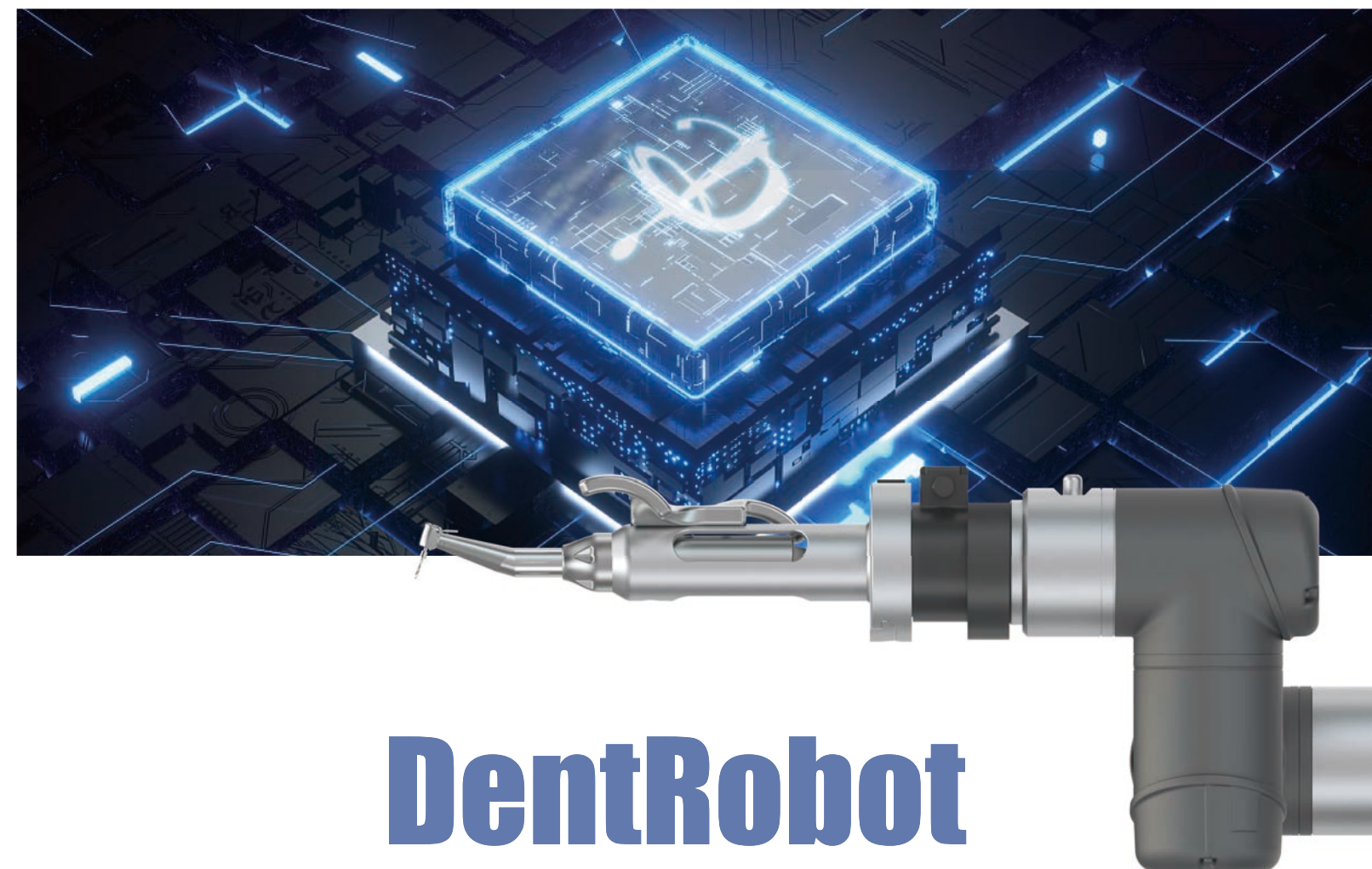




400-900-9059
Hotline



DentRobot

Dental Surgical Guidance System



Suzhou Digital-health Care Co. , Ltd.

400-900-9059

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Suzhou Digital-health Care Co., Ltd.

Dental Surgical Guidance System

Dearer Dental Implant Surgery Robot Dent Robot guide the machine through artificial intelligence and infrared optical technology.

The robotic arm is quickly and automatically positioned, and the robotic arm controls the drill needle to complete precise planting under the control of the doctor, allowing the planting technology to no longer relying on the personal skills and experience of dentists, the operation process is more stable and safer, making oral implants more precise.

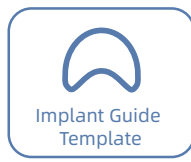
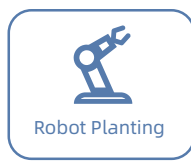
Accurate and efficient, shortening the recovery period of surgery.

3 key technologies

- ◎ Binocular stereo vision
- ◎ Robot control
- ◎ Artificial Intelligence

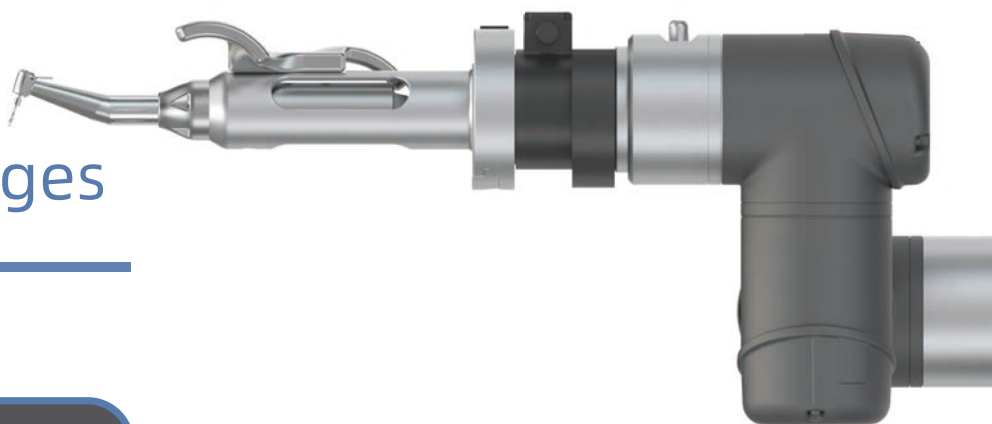


NEW TIMES

 Freehand Planting	2G era More dependent on doctor's planting experience	 Implant Guide Template	3G era Time-cost, Accuracy Influence
 Dynamic Navigation	4G era Real-time precision predictable planting effect	 Robot Planting	5G era Automatic and precise positioning not affected by subjective factors

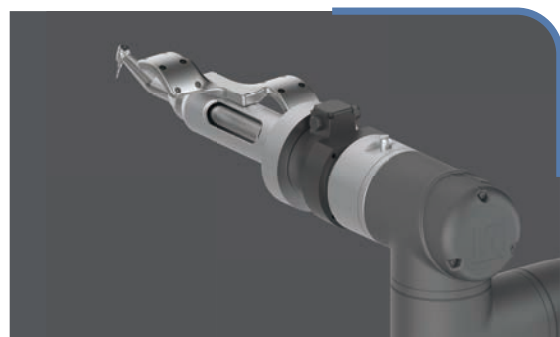


5 Clinic Advantages



Real-time Visualization

Infrared optical tracking and positioning
Spatial positioning technology + spatial registration technology



Fast and Precise automatic positioning

Accurately and stably reach to the planting design point
Precise positioning + follow-up mode, easier to operate



Surgical Procedure Standardization

Save the operate time.
Reduce physician hand fatigue and the risk of occupational complications.

Technology Support



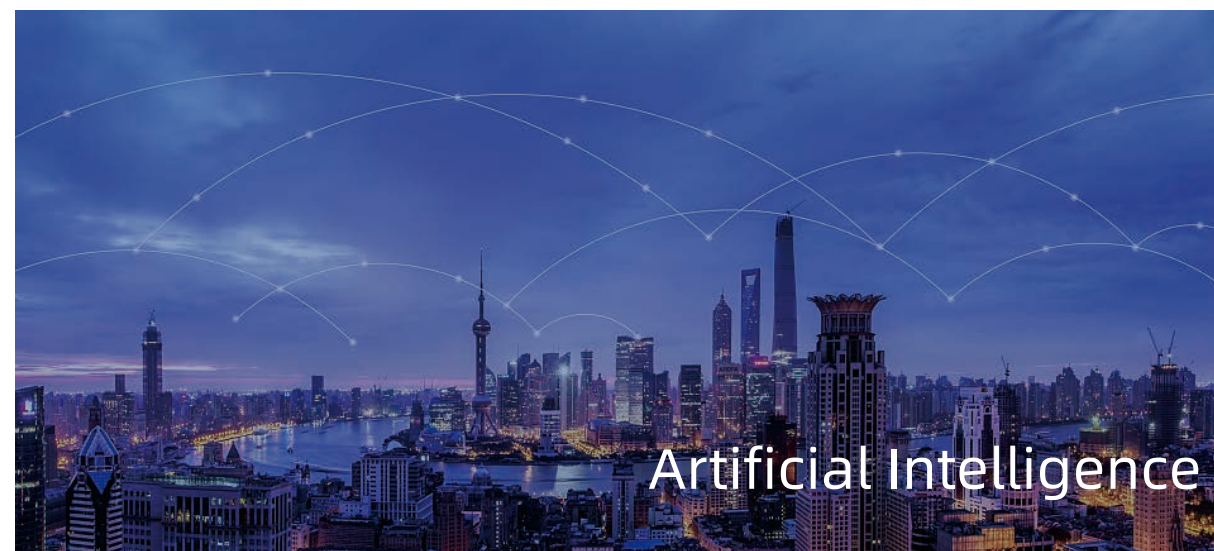
Applicable to all kinds of surgeries

Floor space: 0.35+0.35 m²
6-axis arm adjustable to meet most indications
Universal wheel + wheel lock design, easy to move



Human-computer Interaction understand you better

AI cloud computing processing, making the design easier.
Humanized design for doctors



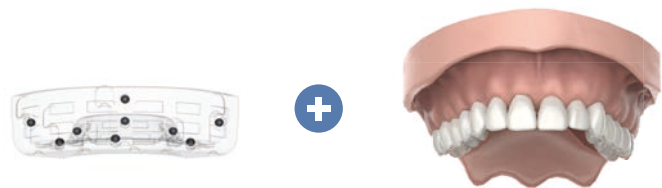
Artificial Intelligence

PROCESS



Take CBCT

The patient wears a registration device to take a CBCT and import the data into the system.



Implanting Design

Oral scan data can be integrated, restoration-oriented (starting with the end) Designing crowns and implants

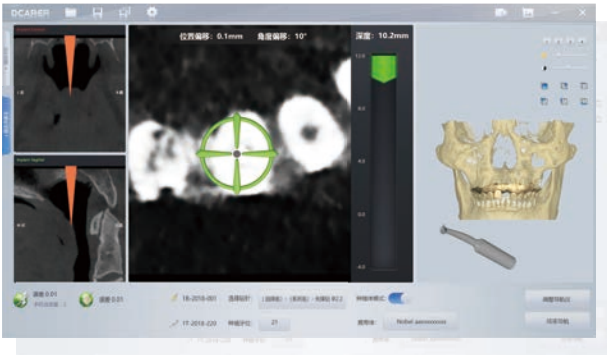
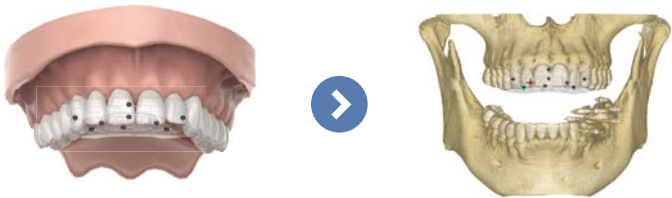


The system automatically plans the dental arch curve and neural canal through the AI cloud computing function Recommended the right position of implants.

Accurate, Intelligent and Efficient

Calibration & Registration

Device, patient jaw information with CBCT image fusion



Automatic Positioning

Guide the robotic arm to automatically complete the positioning, through artificial intelligence, infrared optical technology



Auto Implant

The robotic arm controls the drill needle under the doctor guide

