

Smart Your Choice

Smart3D

Multifunctional Dental CBCT

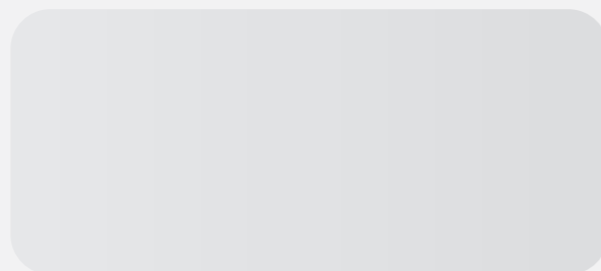


Manufacturer

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Distributor



 **朗视**
LARGEV



About Us

LargeV Instrument Corporation Limited



LargeV Instrument Corp. Ltd (LargeV for short) is a provider for medical imaging equipment and the relating services. As China's pioneer in Dental Cone Beam CT, LargeV developed and manufactured equipment and bundled software are with high quality, low-lose radiation, high-reliability, easy-maintenance and excellent end-user experience. The core team of LargeV is from Tsinghua University, they have rich experiences in CT imaging, dose control and radiation protection. Combined with laws, regulations as well as requirements on medical equipment, clinical feedback and professional knowledge, LargeV self-owned intellectual properties equipment have earned high recognition from customers.



1 Clarity

- 360° full angle accurate scanning
- Advanced 0.5mm minifocus X-ray tube
- World-leading 27µm CCD Ceph Sensor

2 Safety

- Patent anti-collision indicating device
- Six laser beams for easy positioning
- Zero dose Presentation Mode
- Embedded Panoramic module, no requirement to dismantle

3 Flexibility

- Integrated sensor for both panoramic and 3D images
- Touch screen and electric chinrest guides users smoothly through their work
- Pre-programmed scan mode for different images
- Three fields of view with a variety of scan mode cater to all clinical applications.

Profession CBCT system

01 Flexible 5cm x 5cm -15cm x8cm FOV



5cm×5cm

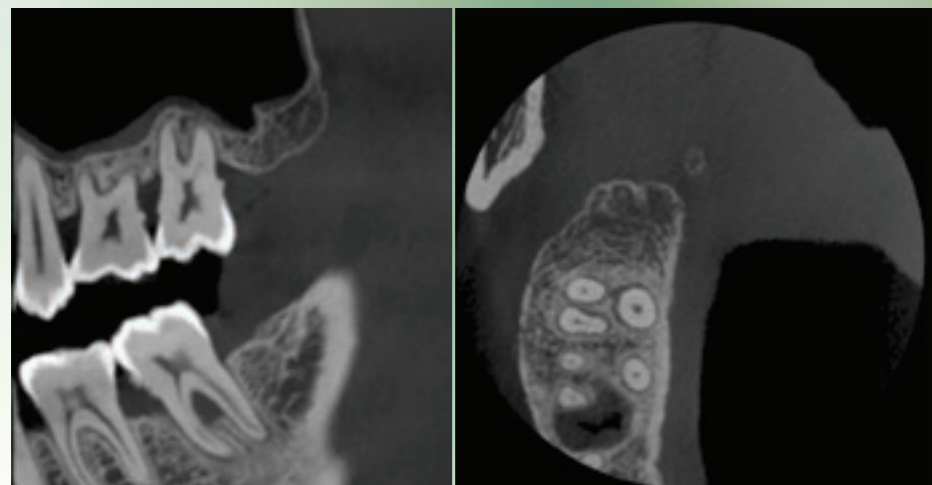
8cm×8cm

12cm×8cm

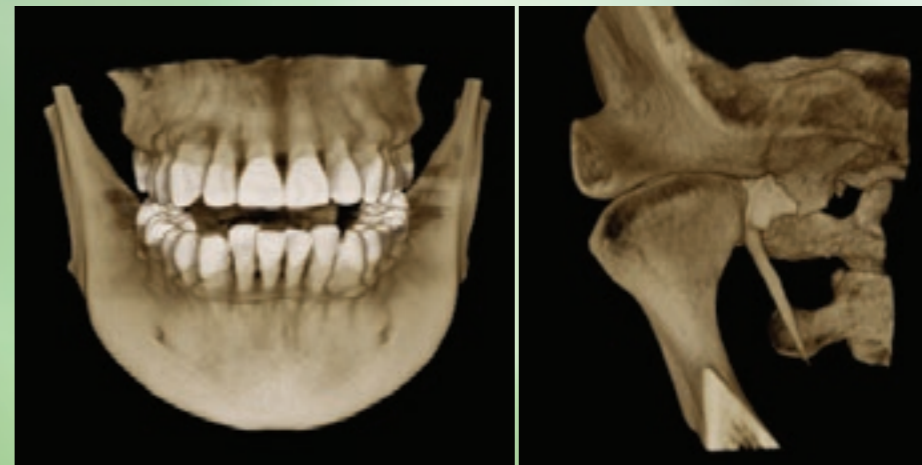
15cm×8cm



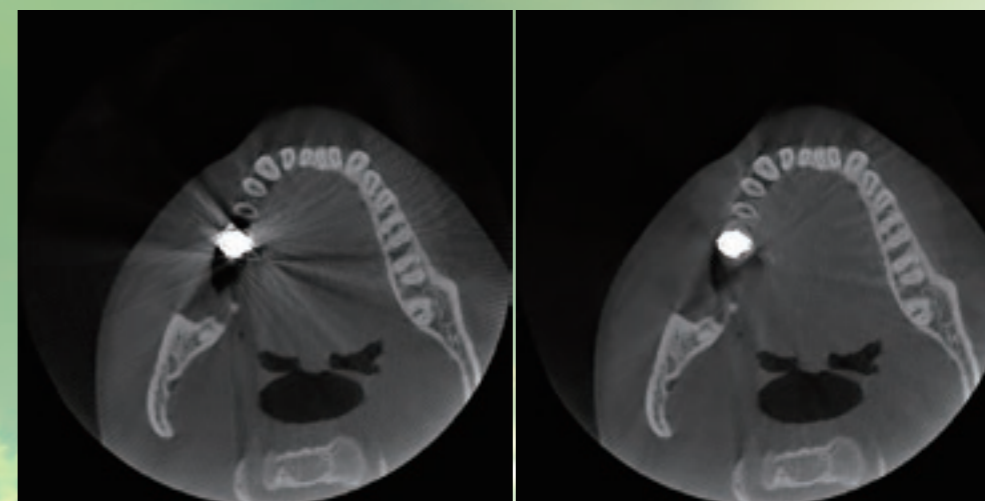
02 0.5 mm minifocus X-ray tube ensures superior image quality



03 Resolutions 2.0lp/mm and voxel size from 0.1-0.25mm



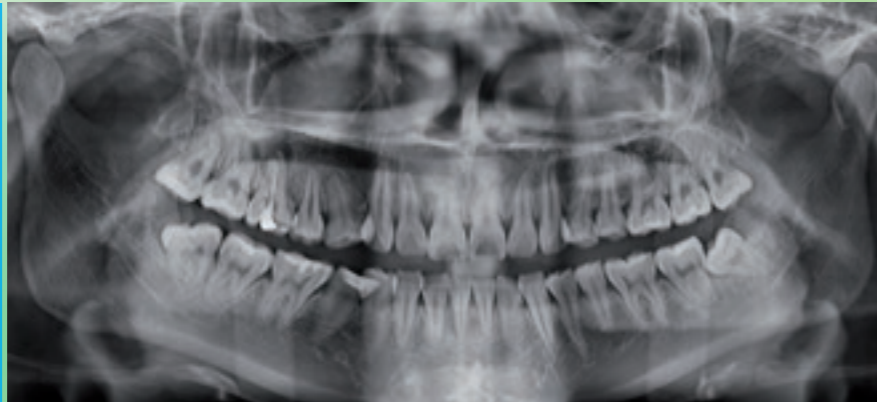
04 TrueMAR correction module for metal artifact removal



Pan and Ceph functions

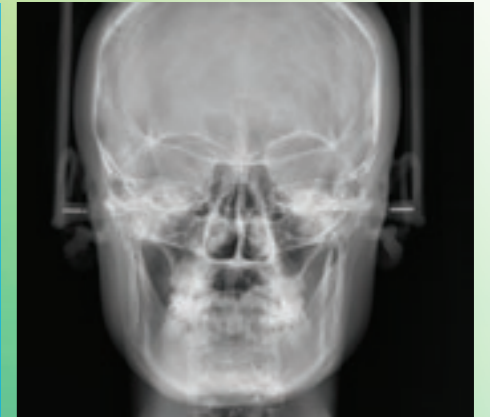
01

Dentition Mode



04

World-leading 27µm
CCD Ceph Sensor



Dental arch



02

Shape of dental arch

Pre-programmed shape (wider arch, standard arch, taper arch and children arch)

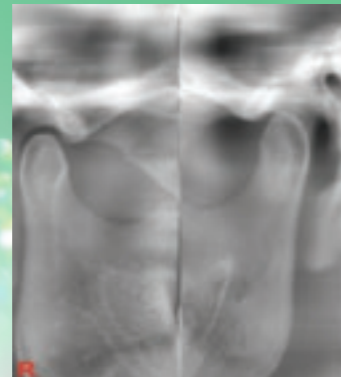


05

Full/Half width
images optimize
dose

03

Joint Mode



06

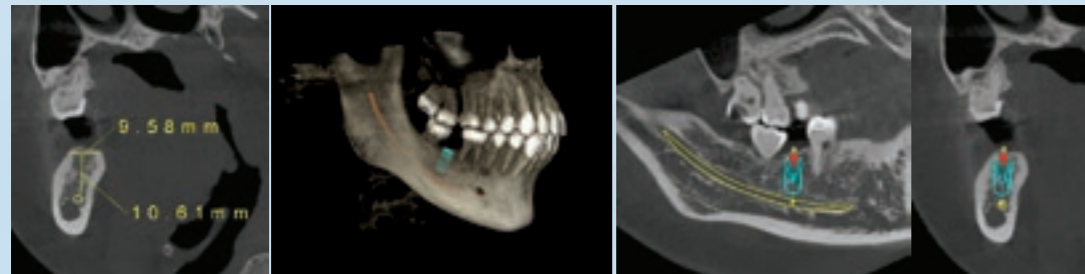
Carpus image for
bone age estimation



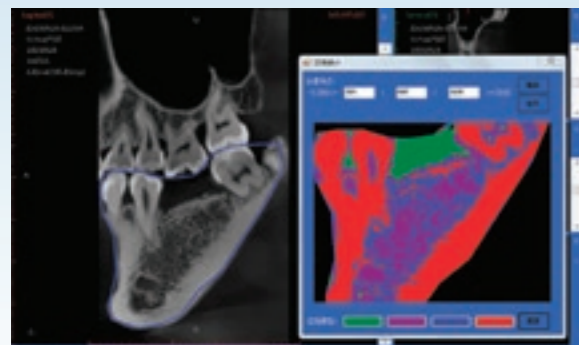
Convenient diagnostic software

01 Implant simulation

With the assistance by the 3D image of maxillofacial region generated by Hires3D, the implants' position, length and diameter can be determined.

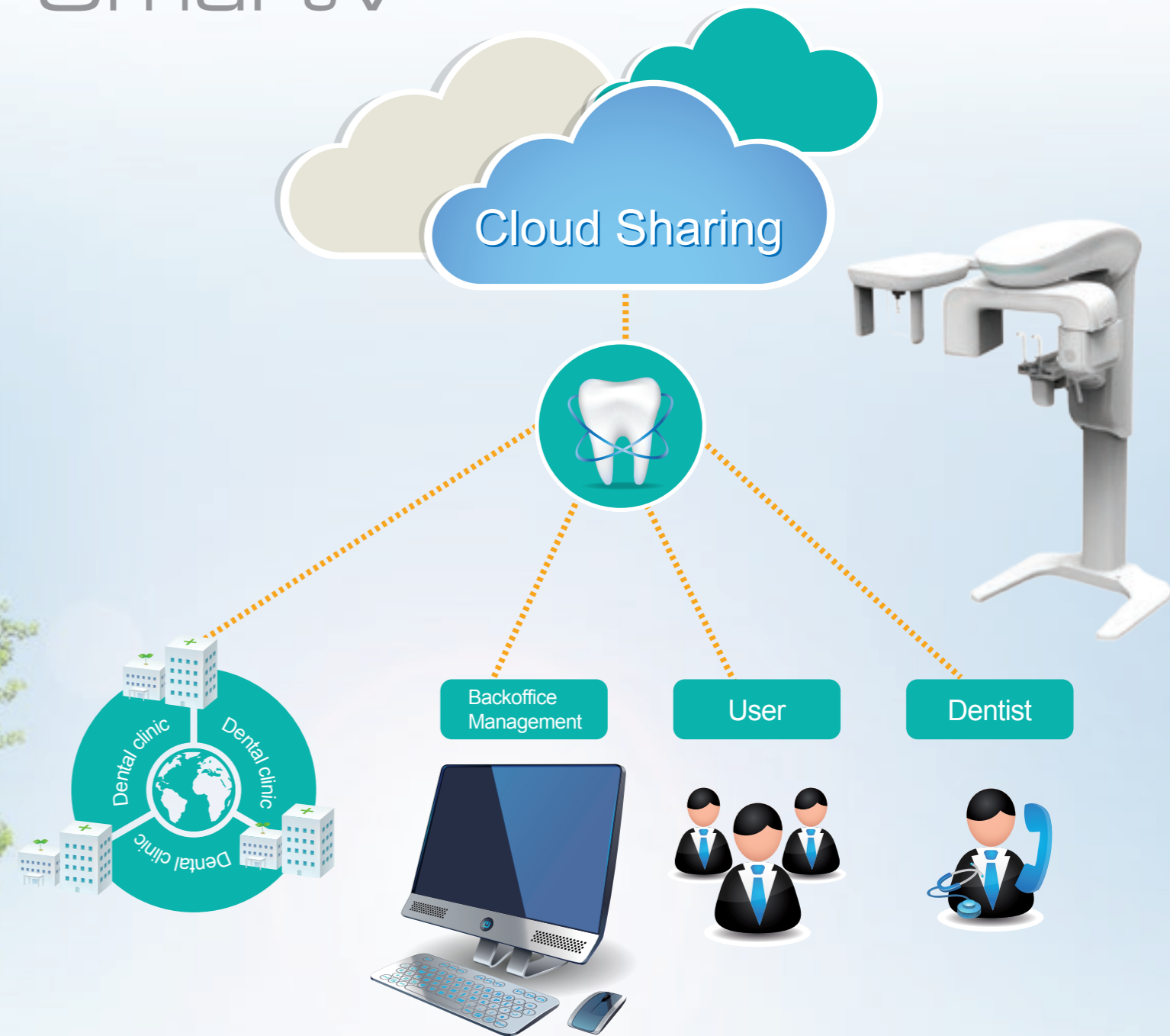


02 Bone density indications



Area coloring

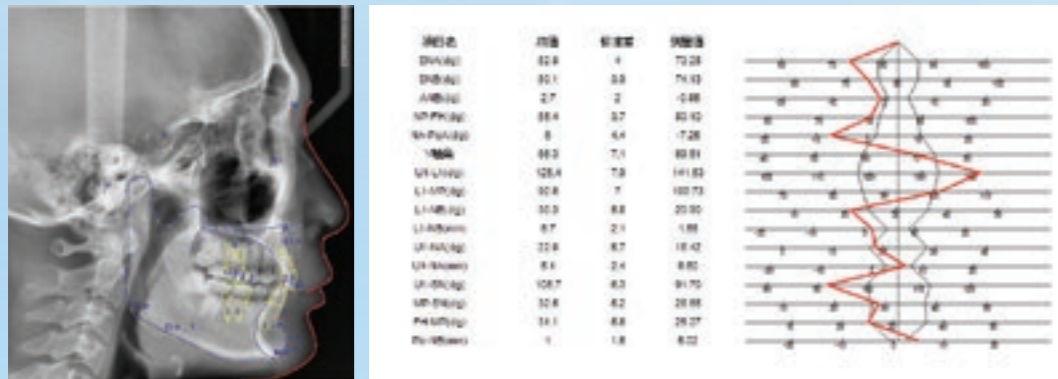
SmartV



Convenient diagnostic software

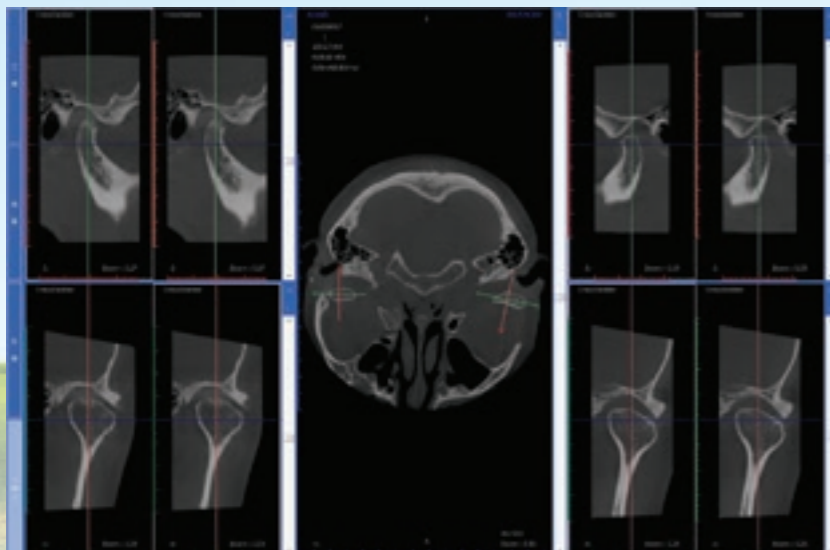
SmartV

03 SmartCeph - Cephalometric Measurement software

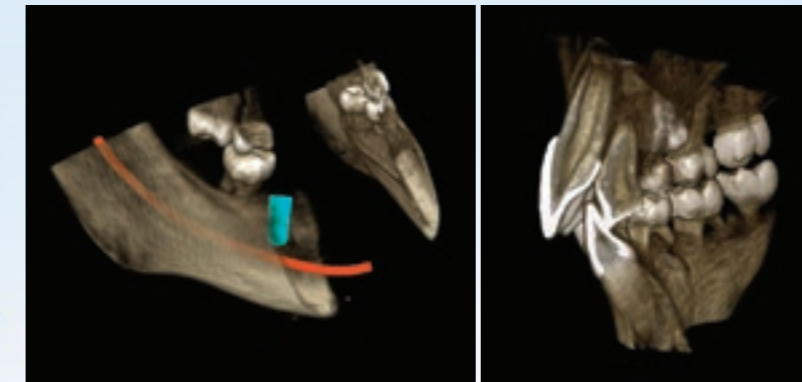


04 TMJ Joint diagnosis

SmartV can display the left and right TMJ on screen, providing more information for the diagnosis and treatment of TMJ disorders



05 Straightforward 3D display make users' communication easy

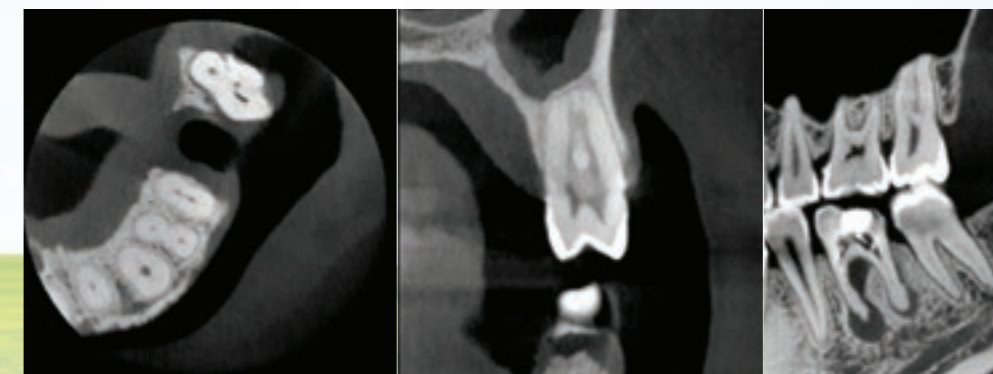


Implant simulation

Supernumerary tooth

06 Precise reconstruction

The minimum voxel size up to 0.1mm, more suitable for the diagnosis of Endodontics disease



Examination of root canal

Root furcation and inflammation

Smart 3D

Smart3D

Tube Current	min: 2mA max: 10 mA (60kV)
Tube Voltage	min: 60kV max: 100 kV (6mA)
Focal Spot Size	0.5 (IEC336)
CT Sensor Type	CMOS Flat Panel Detector
CT Field of View (D * H)	15cm × 8cm , 12cm × 8cm , 8cm × 8cm , 5cm × 5cm
CT Voxel Size	0.25mm 0.15mm 0.1mm
CT Spatial Resolution	2.0 lp/mm
CT Scanning Time	13s
CT Reconstruction Time	15s~40s
Pan Sensor Type	CMOS Flat Panel Detector
Pan Scanning Time	6s-18s
Ceph Sensor Type	CCD TDI Detector
Ceph Scanning Time	7s~11s
Weight	With Ceph function:335kg Without Ceph function:285kg
Power Requirements	AC 220/230V, 50Hz
Outer Dimensions	With Ceph function:1978mm × 1526mm × 1693mm~2393mm Without Ceph function:1100mm × 1526mm × 1693mm~2393mm
Room Requirements	With Ceph function:2.5m × 2.1m × 2.5m Without Ceph function:1.6m × 2.1m × 2.5m

*The date are subject to change without notice

*Ceph function is optional

