



Nanjing Perlove Medical Equipment Co., Ltd
Add: No.97, Wangxi Road, Jiangning District, Nanjing 211100
Tel: +86-25-87187780 +86-25-68571666-9350 9353
Fax: +86-25-87187780
Http://www.perlove.com.cn
E-mail: overseas@perlove.com.cn

Version 1.0 Year 2021



PERLOVE, WORLD OF LOVE

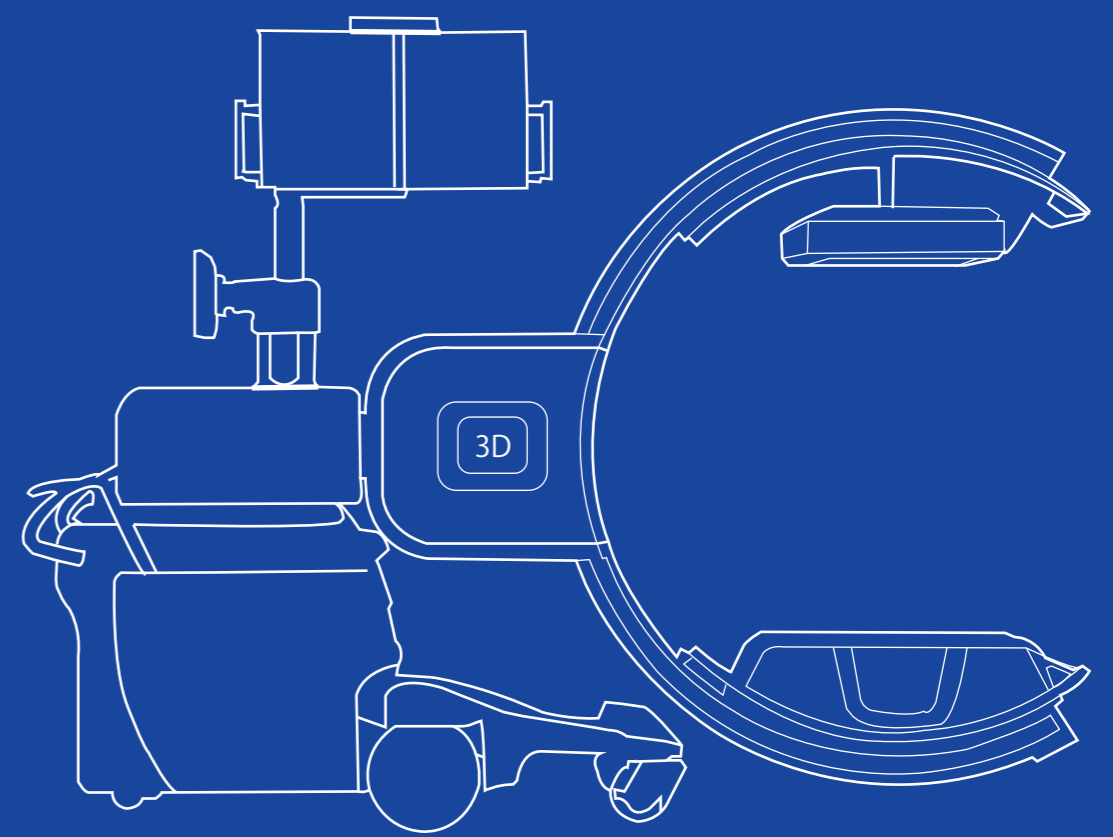
PLX7500

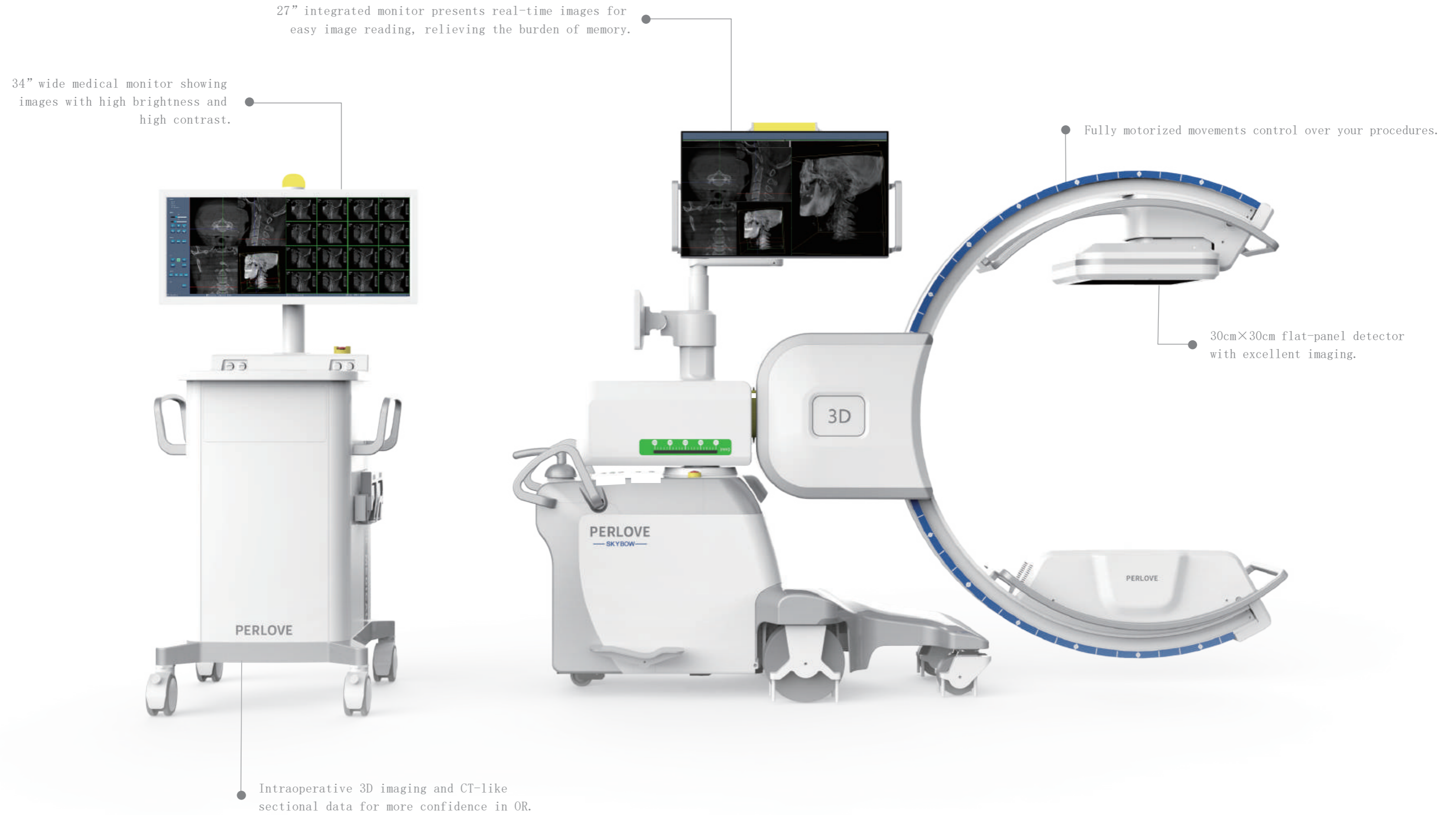
Lead the Trend of 3D Imaging



TECH CONTRIBUTES HEALTH

Maximizing surgical confidence with 3D imaging





Intraoperative 3D Confirms Your Results

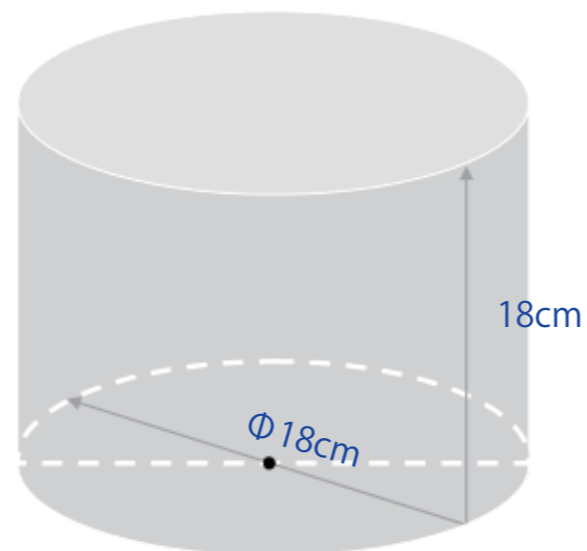
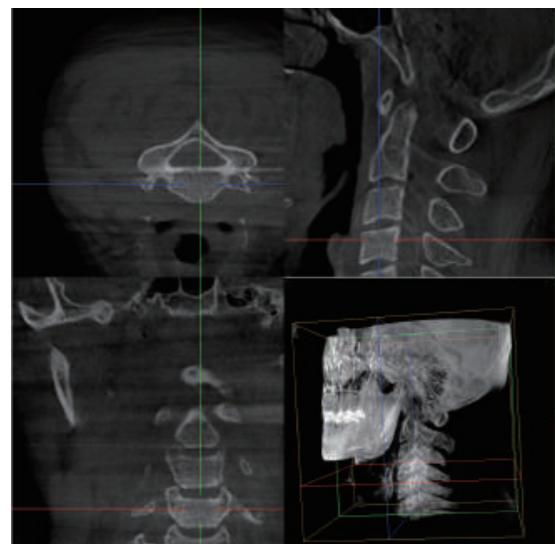
Intraoperative 3D imaging

Intraoperative 3D imaging and CT-like imaging provides precise information from every angle during the surgical procedures—pinpoint anatomical structures, implants and screws more confidently.

Large volume of 3D imaging

Delivers a 3D image covering a volume of a vertical cylinder 18cm high by 18cm diameter, more information would be seen in one volume:

- Seven cervical vertebrae
- Seven thoracic vertebrae
- Five lumbar vertebra
- Bilateral iliosacral joints
- Femur head and unilateral pelvis

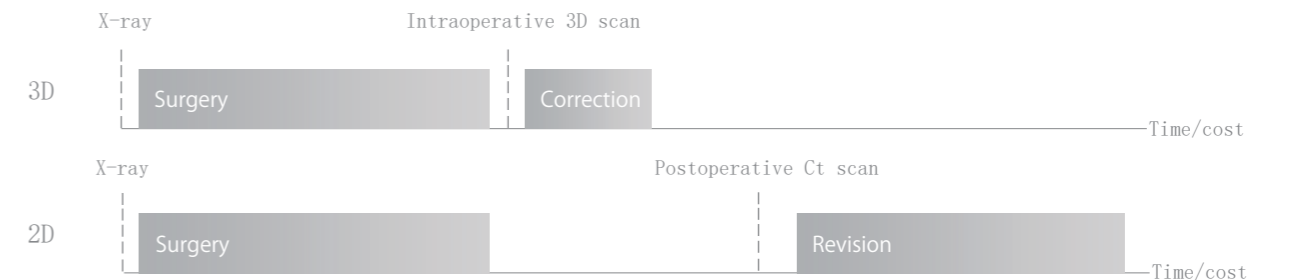


Easy 3D setup

Thanks to wide space of C-arm, 3D scan procedure takes around 60s for complete information, which translates into reduced surgery time for clinical work.

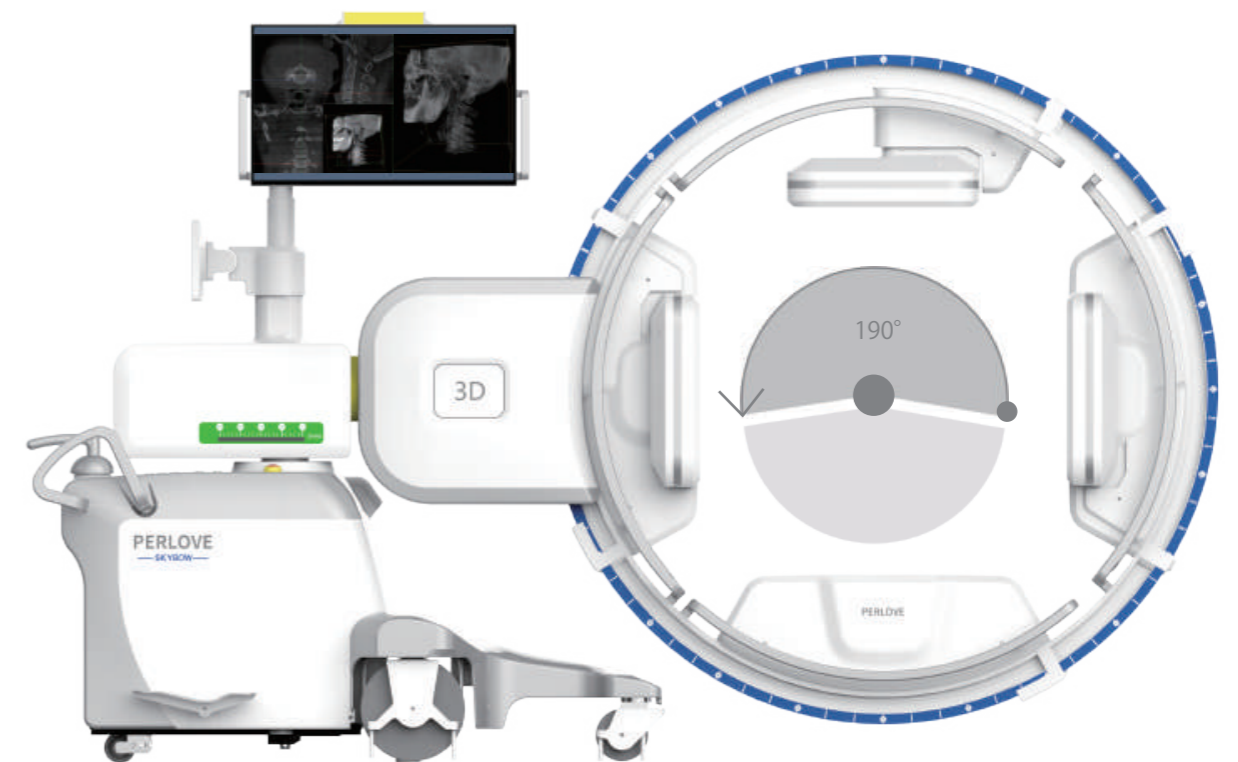
More efficient workflow

Intuitive intraoperative 3D evaluation avoids unnecessary postoperative CT scans and corrective surgery, saving time and costs.



Complete 3D scan

With iso-centric scan technology, 190° orbital movement in a motorized 3D scan from any direction giving you complete, highly accurate 3D information in outstanding quality.

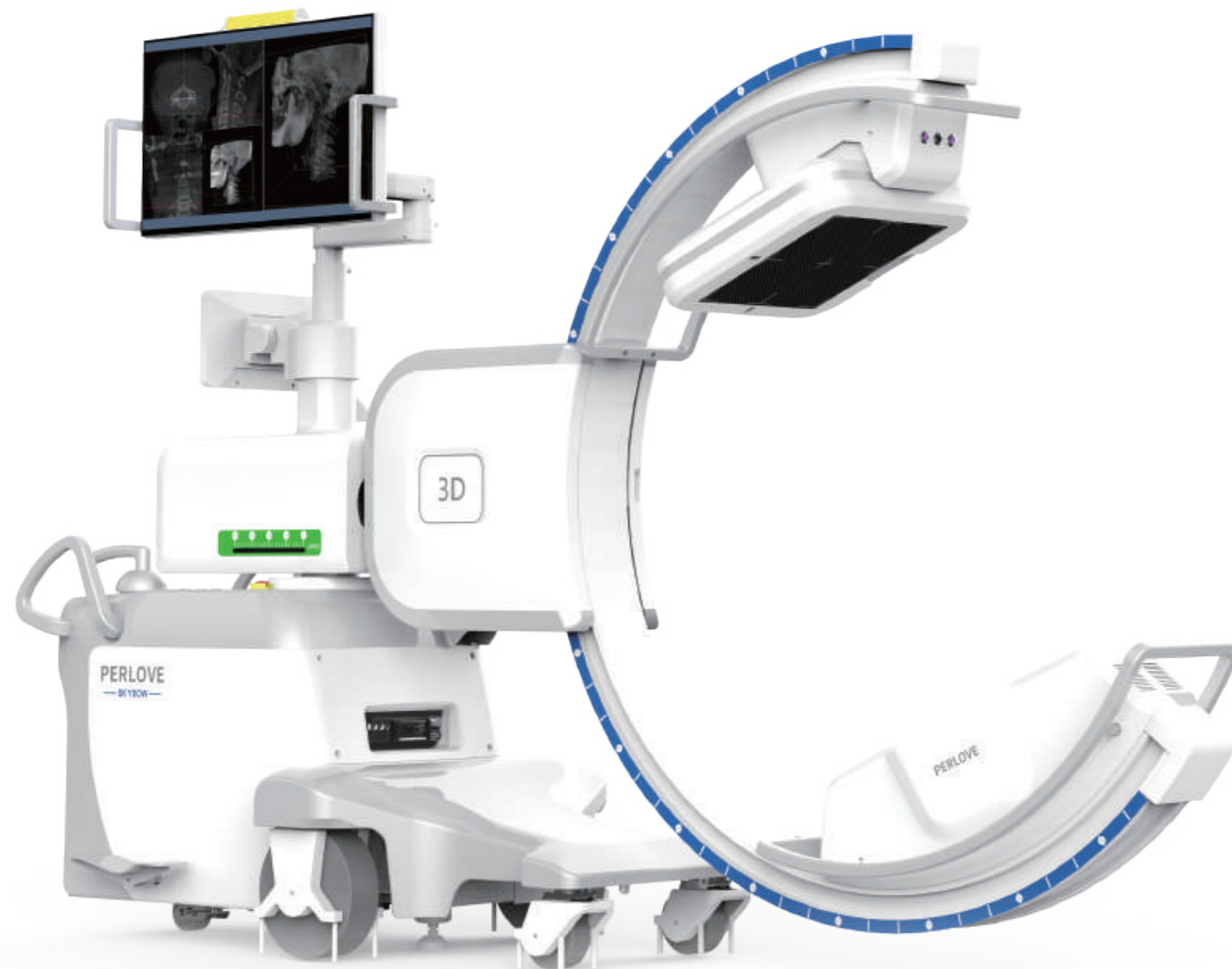


Excellent 2D, 3D Image Quality

4,096

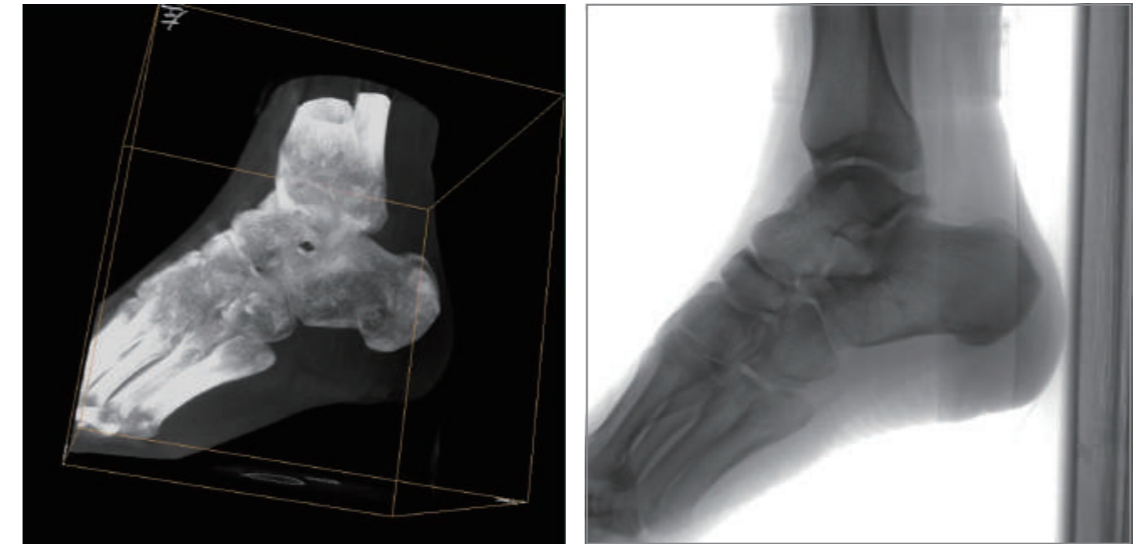
65,536 Gray-scale degrees

Traditional image intensifier Dynamic flat panel detector



Flat panel detector technology

Large (30 x 30 cm) amorphous silicon flat detector offers large, crystal-clear 2D image and high-resolution 3D reconstruction. Every tiny anatomical structure and implants become visible.



Smart dose control

Adjust dose dynamically during fluoroscopy with intelligent hardware and closed-loop software algorithms and minimize dose while optimizing image quality.

High frequency X-ray generators

Self-developed high frequency X-ray generator achieves outstanding images by adjustable pulse frequency, even in obese patients and dense tissue.

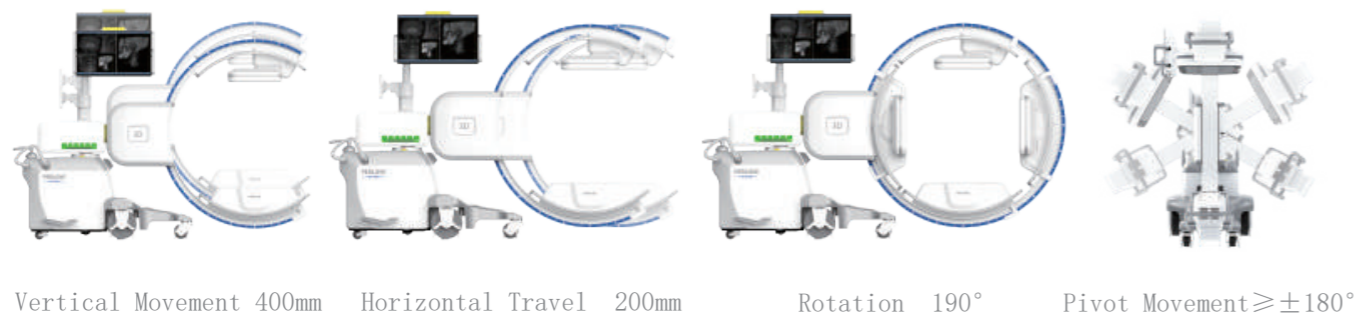
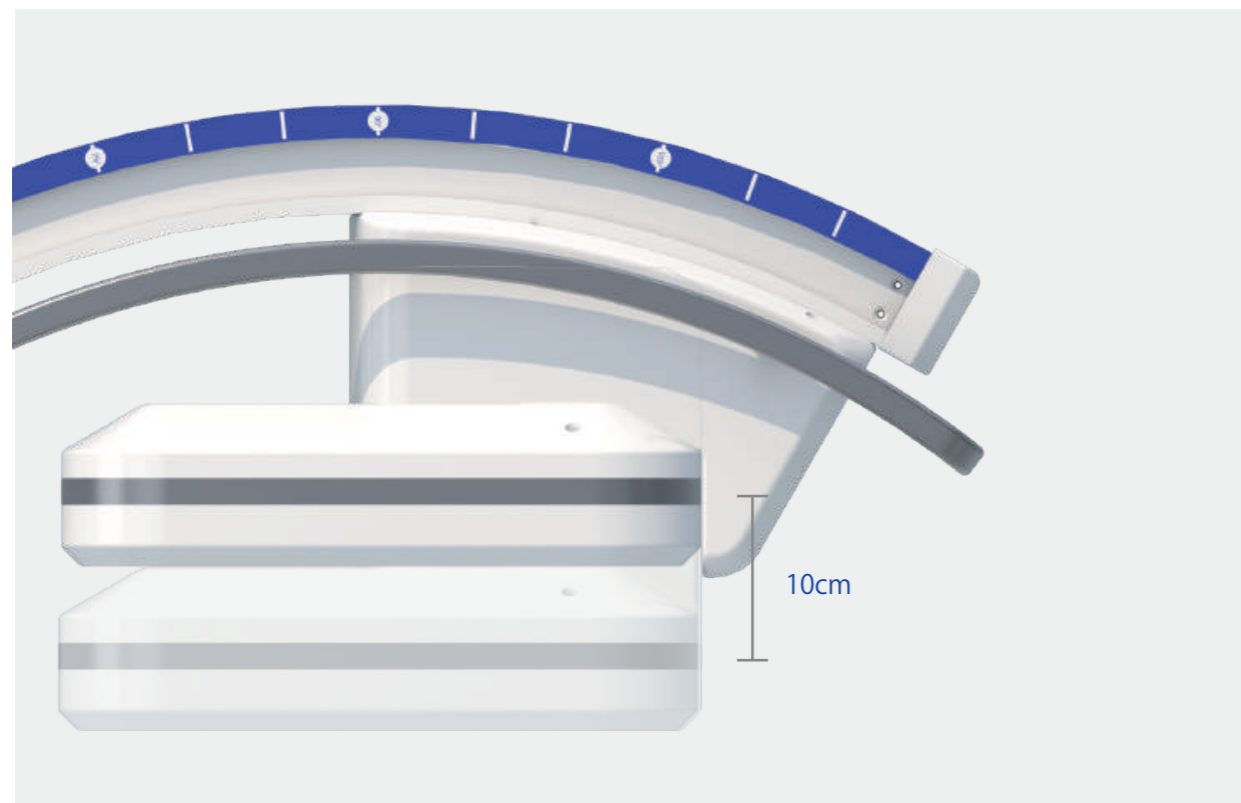
Get connected to navigation

Seamless navigation port connects the 3D C-arm to the navigation or robotic guidance system wirelessly. Image-guided surgery allows for less invasive approaches and more decision-making confidence within the OR.

Exceptional Ease of Use

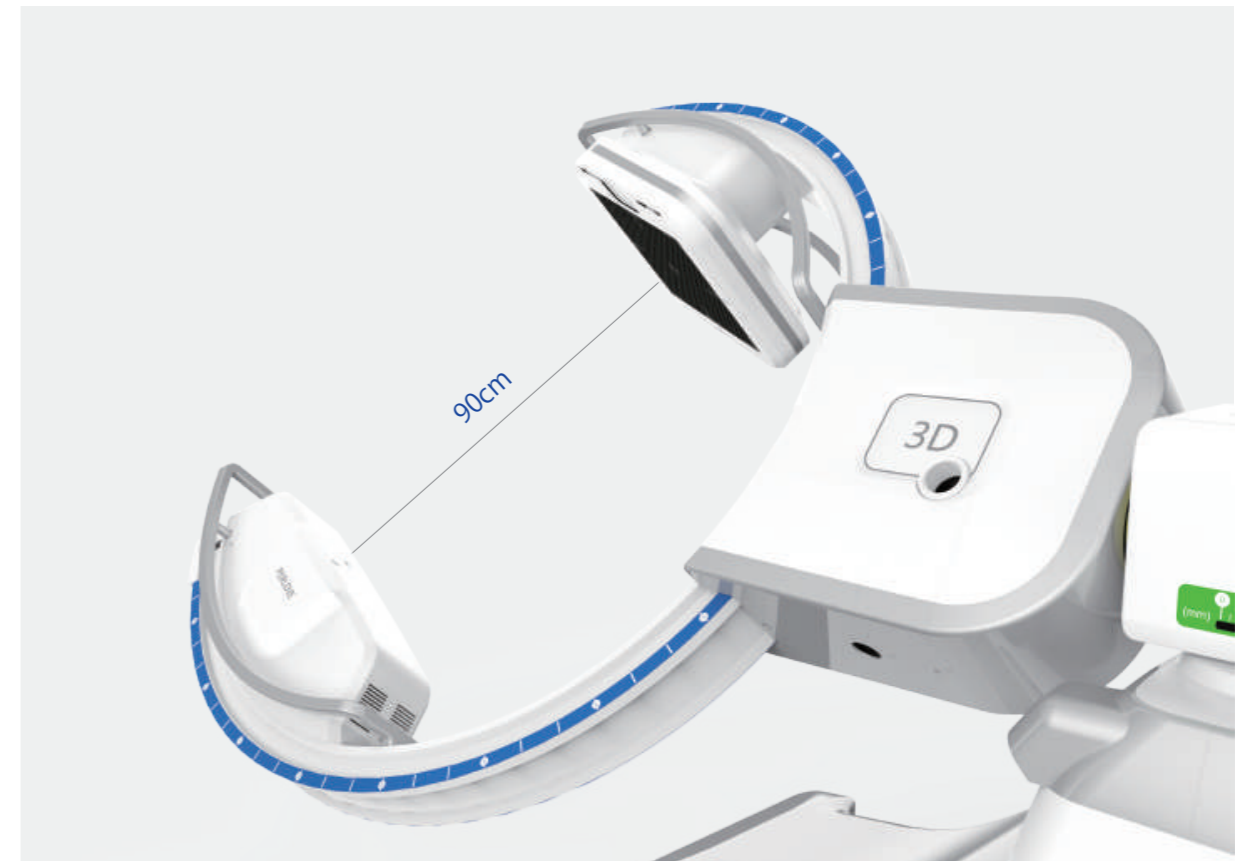
Vertical movement of flat panel detector

Adjustable movement of flat panel detector allows for intraoperative fine-tuning of the distance between the detector and the subject, to receive more x-ray signal for clearer imaging based a certain dose.



Wide space C-arm

With a tube-detector distance of up to 90 cm (35.4"), PLX7500 offers plenty of room for easy setup and quick positioning.



Multiple infection control

No external cable between C-arm and chassis makes it easy to be covered with sterile drapes. The surface of C-arm features anti-microbial paint, maintaining a high level of infection control.

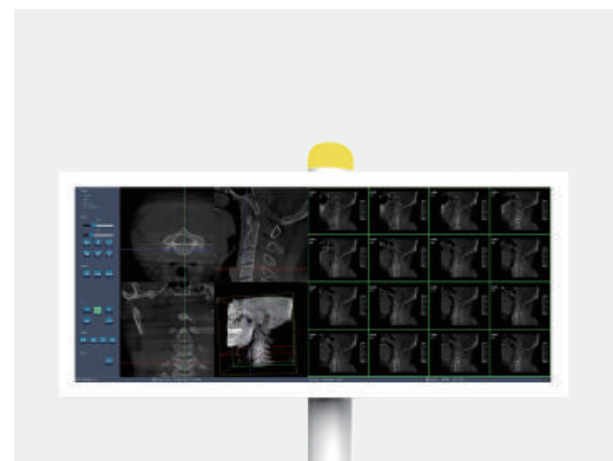
All motorized movement control

All motorized movements in 5 directions move the C-arm into the exact position desired safely and stably.

Wireless footswitch

Optional footswitch creates greater freedom in OR, and avoids damage caused by trample to cable.

Multiple Screen Display



Medical color monitor

34-inch ultra-wide medical color monitor with high resolution, brightness and contrast provides ultimate reading experience.



Integrated review monitor

Integrated medical color monitor on the C-arm body offers near-table reviews, relieving memory burden.



Intuitive touchscreen interface

Intuitive touchscreen control center creates quick control and sterile environment, saving time during procedures.



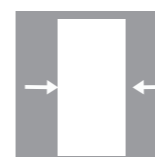
Removable grid

Remove grid by barehand to reduce dose in pediatric and other dose-sensitive procedures.



Low dose mode

Reduce dose exposure significantly for particularly dose-sensitive procedures, e.g. in pediatrics.



Collimators preview

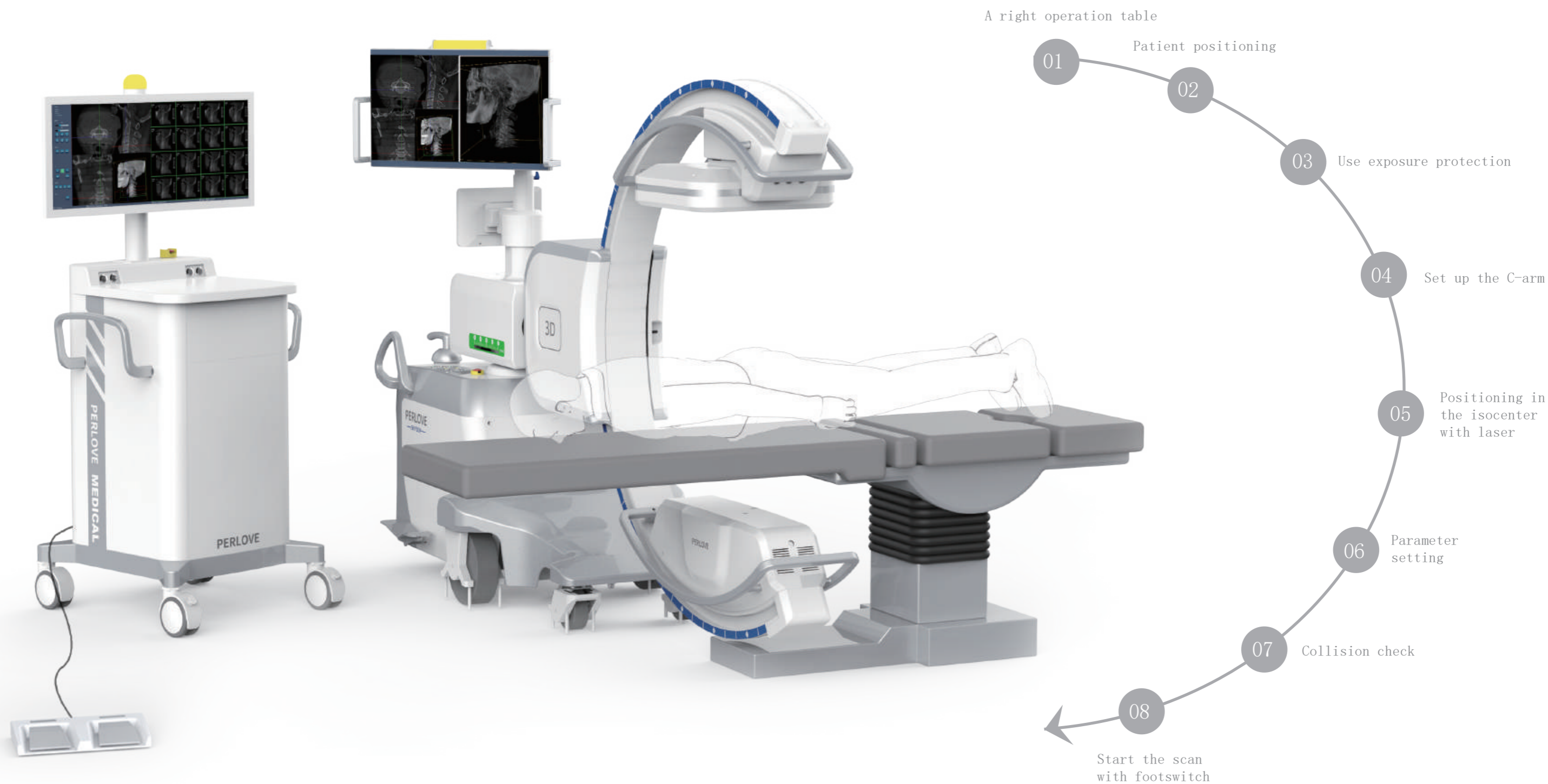
Preview and positioning collimators in exposure-free conditions.



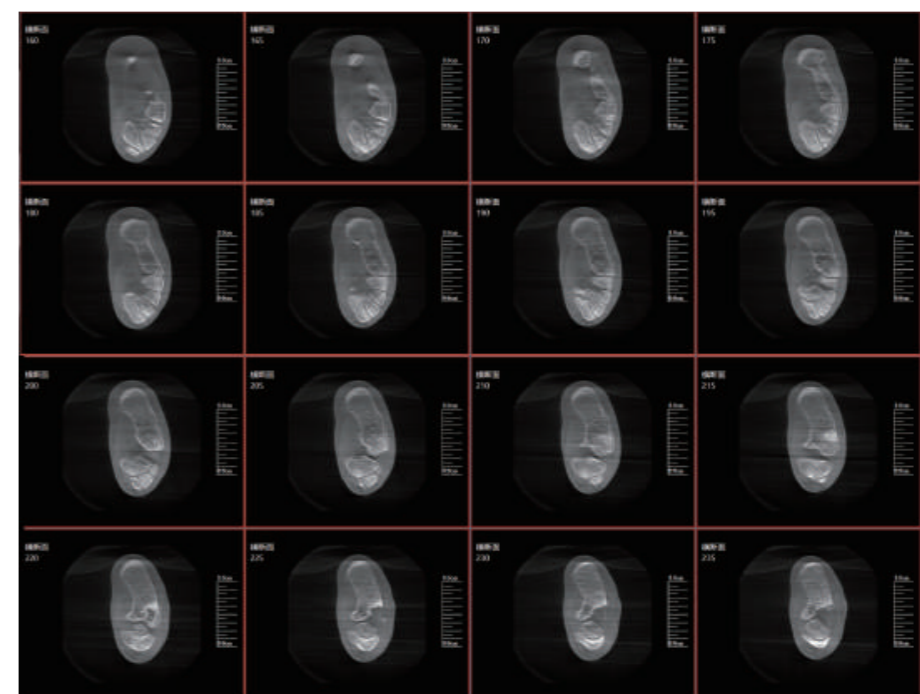
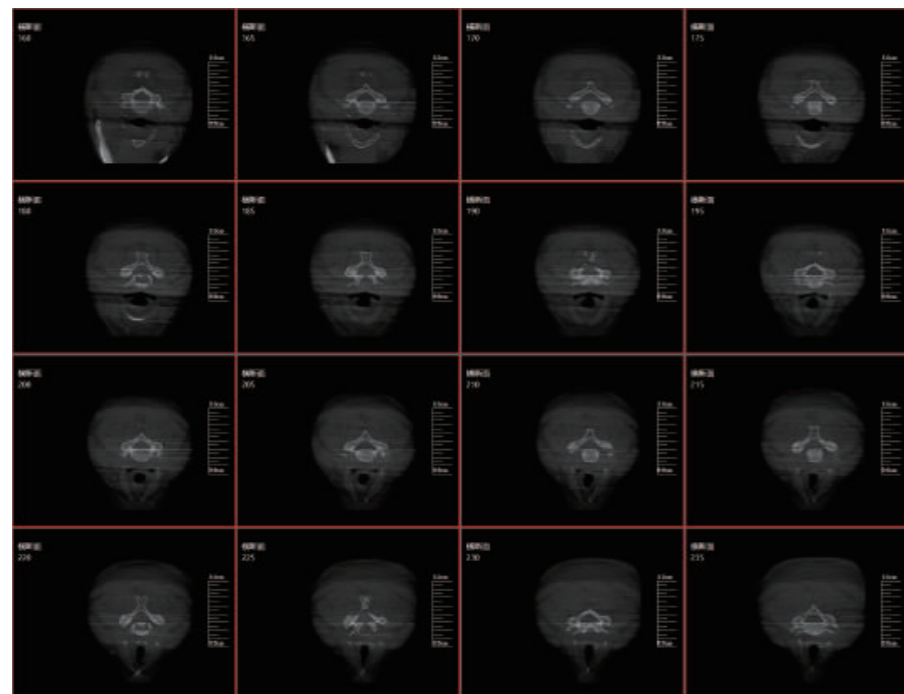
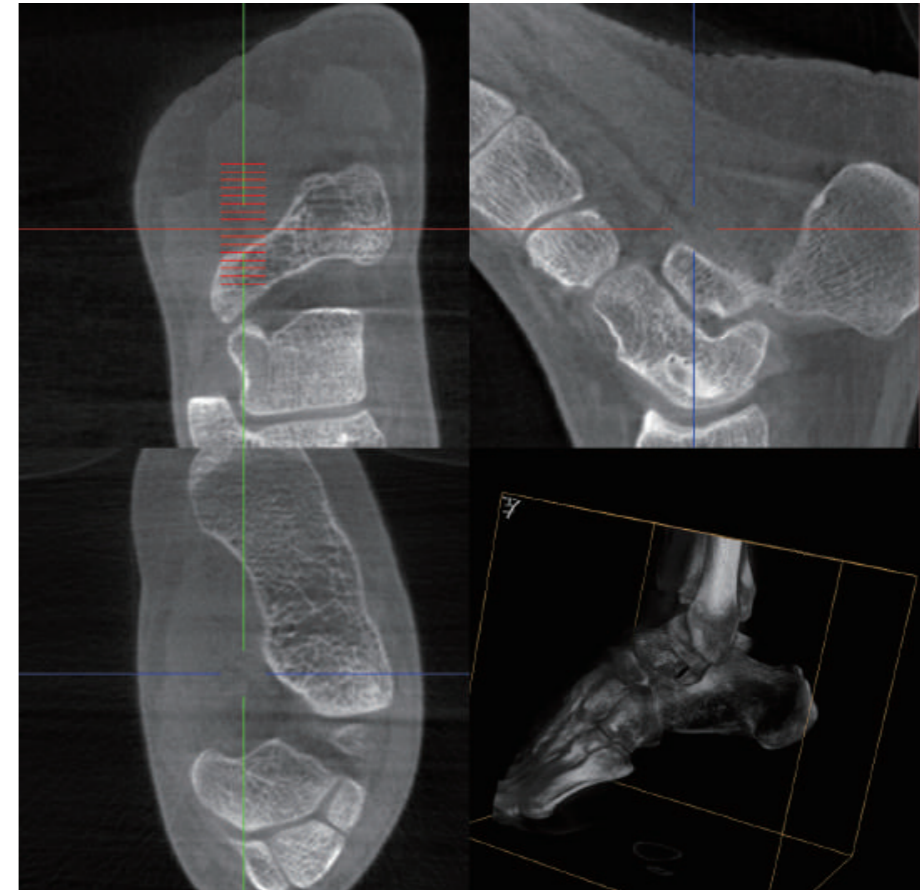
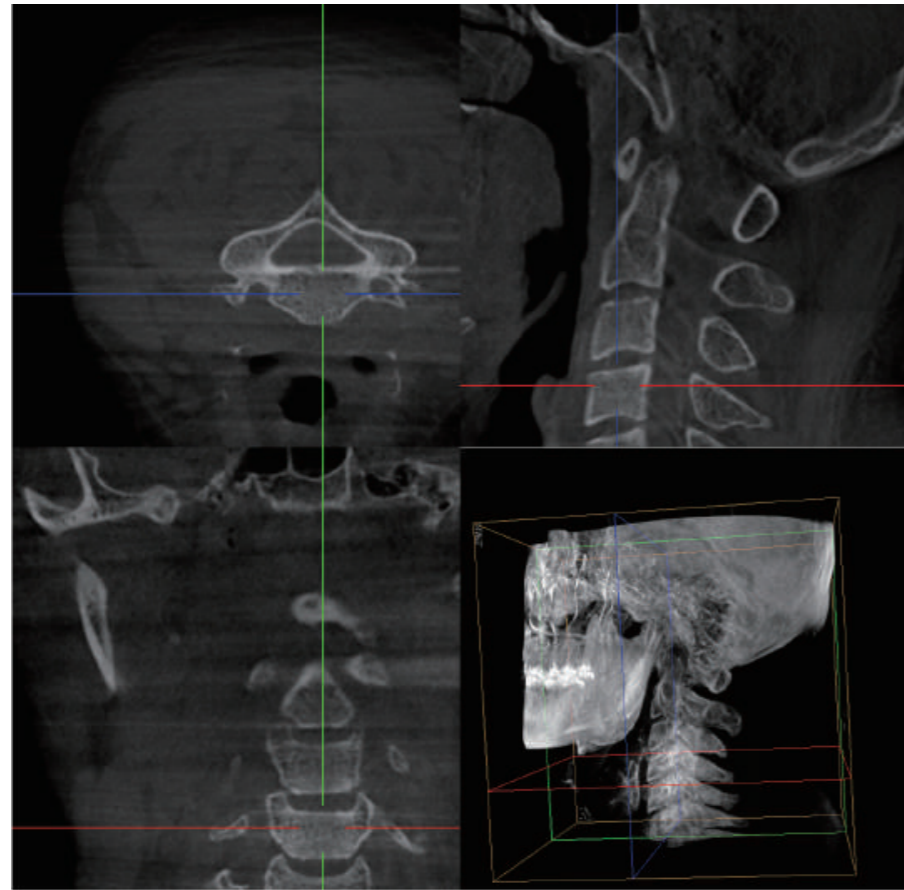
Realtime dose monitoring

Intuitive dose display for easy assessments of patient Dose (DAP) and effective control.

Steps to Create a 3D Image



3D Images



2D Images

