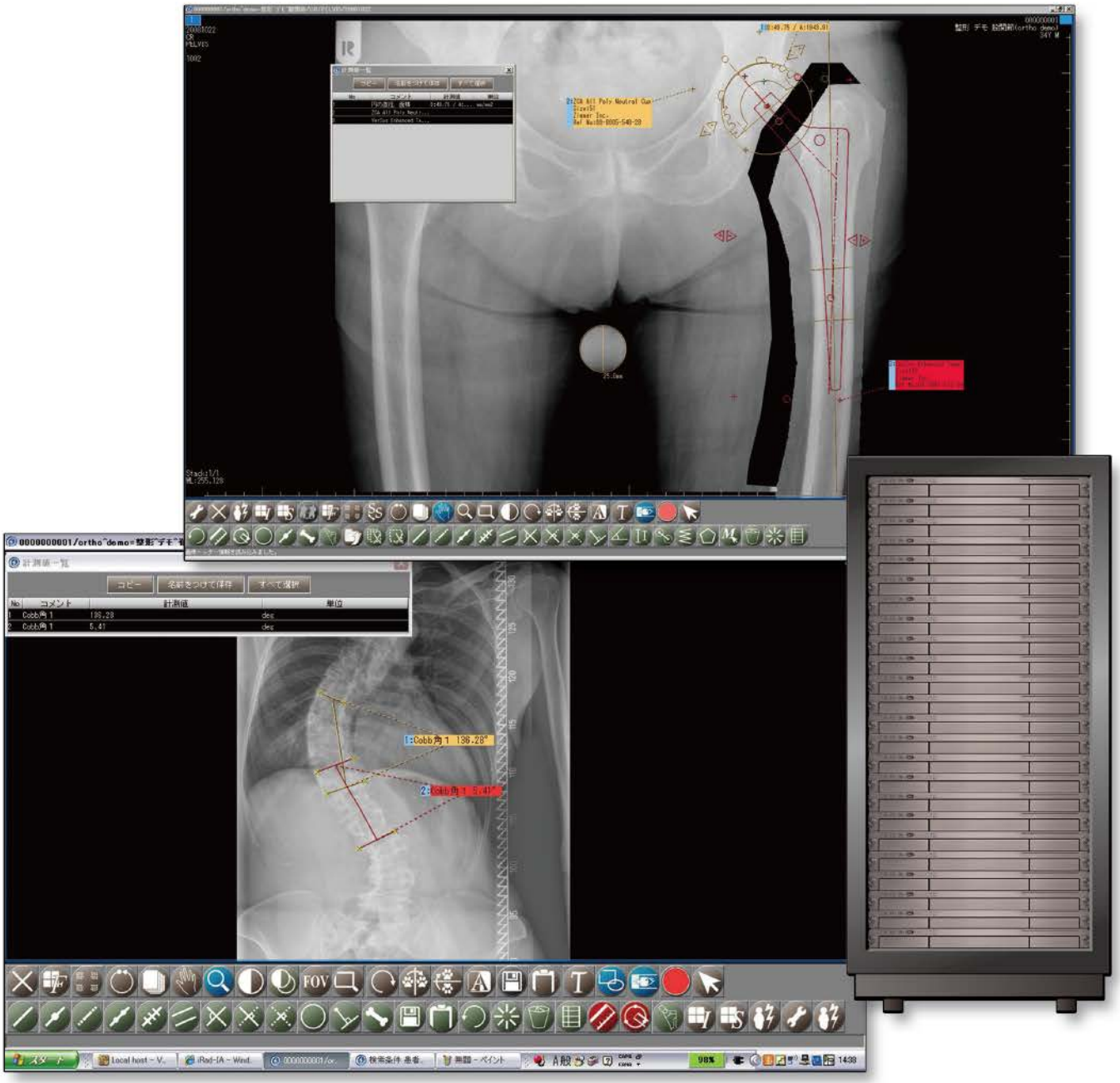
DICOM image server supporting the move to filmless in the orthopedic surgery field

Orthopedic imaging system

iRad®-OT

As filmless systems are used more and more in hospitals, implementing a radiology imaging workflow in the orthopedic surgery field on PACS has become a serious issue.
Filmless operation can only be implemented if it can at least reproduce in equal quality the particular measurements and templating on a monitor, which were previously carried out using film.
To realize such a filmless operation, Infocom's orthopedic surgery imaging system **iRad®-OT** has a built-in support guide and digital templates for taking specific measurements of each part of the body.
Utilizing Infocom's accumulated knowledge and technological capabilities in radiology, **iRad®-OT** meets the needs of a filmless environment in orthopedic surgery.



Professional measurement functions

- iRad®-OT has plenty of advanced measurements required in orthopedic surgery built in as standard, including previously set measurements such as the Sharp angle, FTA, Cobb angle, lumbar vertebra sliding ratio, hallux valgus, and CORA, and the "perpendicular line from an arbitrary point on a line segment," "line connecting the midpoints of 2 line segments".

Implant simulation

- iRad®-OT has the digital templates of major manufacturers built in.
- It shows lists according to manufacturer or body part, and users can save their favorite templates they normally use.

Customized measurement functions

- iRad-OT can also create a customized measurement guide combining various measurement tools. The created measurement guide can also be used between users by folder management.

Magnification correction function

- Magnification correction is also possible using an iron ball or measure.
- If there is no standard object in an image, magnification correction can be done by inputting numerical values.

Actual size display/output to Windows printer

- By registering the size of the monitor, images can be displayed on it to any magnification.
- Can also be printed on a Windows printer.

Flexible system construction—in-hospital & inter-hospital collaboration

- It can be built from two types, a workstation or a web server, according to purpose and cost.
- Partner hospitals can share the server and use simulation tools.

◆ Brand name: Image Diagnosis Workstation iRad-IA Model IFC201502 Certification No.: 228AKBZX00106000
This product is an optional function for iRad-IA (measurement function for orthopedic departments).