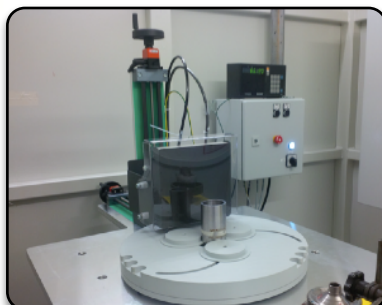
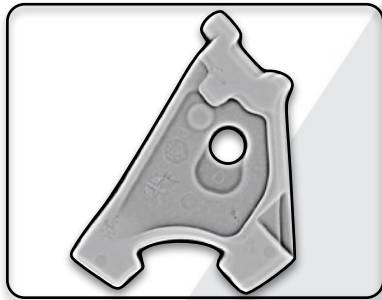
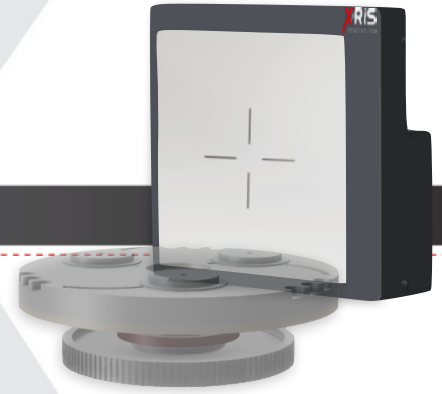


Upgrade your existing x-ray cabinet with true **Real Time (scopy) DDA**

APPLICATIONS

- ▶ Weld inspection (SAW, ERW, E-beam, seam, laser welds, ...)
- ▶ Al, Fe, Ti, Cu alloys, plastic casting defects such as porosities, thermal cracks and inclusions.
- ▶ Composite materials (wrinkles, material inclusions, wings, spoiler, ...)
- ▶ Confirmation of mechanical or electrical components presence in objects
- ▶ Ammunitions inspection (detection of chemical liquids, defect detection in explosives or in the shell)
- ▶ Historical assets
- ▶ Universities and research centres



KEY FEATURES

- True Real Time** **Combine digital radiography and radioscopy.**
Quick real time localisation of defect zones.
Fast confirmation of component presence in an object.
Then, possibility to make high quality pictures in radiography mode in case of doubts.
- Easy and cost effective cabinet upgrade** Keep your existing shielded cabinet and CP X-ray generator (up to 450 kV). Replace your films, your image intensifier and even your conventional DDA. RT features don't require any synchronization with your existing X-ray generator and electromechanical manipulation system.
- Film to digital radiology** No more consumables (films and chemicals) or dark room needed.
Easy digital archiving & reporting.
Direct image on the computer (no manual process).
Real-time X-ray videos for perfect and **rapid image adjustment**. No more concerns about the kV and mA calculation thanks to real-time video in AVI format.
- Compliance with ISO 17636-2.
- Unmatched image quality** Fantastic sensitivity, excellent signal to noise ratio (SNR) and unbeatable contrast resolution better than 1% (EN 462-1).
Radioscopy to radiography mode switch during the X-ray shot thanks to **automatic motion detection** with automatic and fast averaging and automatic video/image filtering.
- User-friendly** All key tools available within one mouse click.
Magnifier and real time filters.
Contact us for a demonstration. After a set-up of 15 minutes and a training of 2 hours, you will be able to make great pictures/videos.

Dereo RT SPECIFICATION

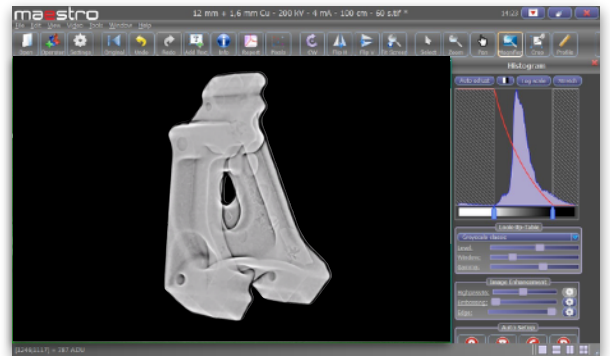
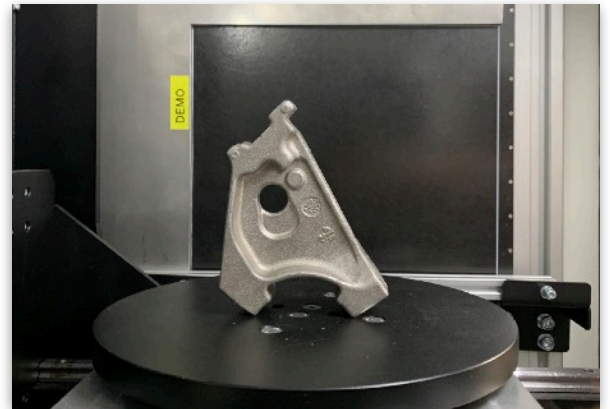


MODEL	ACTIVE AREA (cm)	PIXEL SIZE (µm)	FRAME RATE (fps)	POTENTIAL (kV)	POWER
Dereo RT 1515	15 x 15	119	34	Up to 450	Universal mains power supply
Dereo RT 2323	23 x 23	179	30	Up to 450	Universal mains power supply
Dereo RT 2532	25 x 32	124	22	Up to 450	Universal mains power supply
Dereo RT 3030	30 x 30	145	14	Up to 450	Universal mains power supply
Dereo RT 4040	40 x 40 2048 x 2048	200	15 (30)	Up to 15 MeV	Universal mains power supply

Unique : let us know your application and **X-RIS** will select the right scintillator for you.

MAESTRO SOFTWARE

- ▶ Software interfaces developed **by and with field users**
- ▶ Very **intuitive** software interfaces. All key tools of **Maestro** accessible with one mouse click, only.
- ▶ Zoom in / out, screen adjustment, rotation, horizontal and vertical flip, cropping, ...
- ▶ Access to the LUT (**look-up-table**)
- ▶ Black and white reversal
- ▶ Annotations
- ▶ **ACUITY** Filter
- ▶ **Real time** magnifier
- ▶ **Real time** filters (Acuity, Defect, Contrast, Edge, Noise reduction, ...)
- ▶ Smart measurement tools
- ▶ NDT Tools for normative inspections
- ▶ Bad pixels map
- ▶ **DICONDE**
- ▶ Compliant with all major NDT standards (ISO 17636-2, ASTM-E 2698, E2736, E2737, E2597, Safran PR5250, Airbus AITM 6-7007 and Boeing BSS-7044)
- ▶ Control of many X-ray generator brands and models
- ▶ Any language available upon request
- ▶ **X-RIS** is open to discuss the development of new software tools
- ▶ RT acquisitions : self-detection of movements



Dereo RT ACCESSORIES

- ▶ PC workstation :
 - ▶ Screen size : Min. 21"
 - ▶ Processor: CPU Core I7 or better
 - ▶ RAM : Min. 8 Go
 - ▶ Dedicated GPU
 - ▶ Windows 10
 - ▶ Gigabit ethernet port dedicated for **Dereo RT**
- ▶ **Dxbox RT/CT**



www.xris.eu