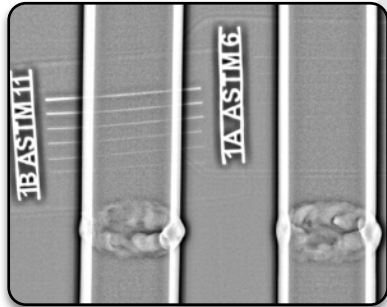


Portable High Energy X-ray DDA for heavy duty inspections

APPLICATIONS

X-ray of high density materials and large thickness :

- ▶ Weldings
- ▶ Profile Radiography
- ▶ CUI (Corrosion Under Insulation)
- ▶ Castings
- ▶ Ammunitions
- ▶ Ballistic plates, ...



KEY FEATURES

Portable

Battery powered and wireless module.

Generate X-ray pictures anywhere : use the **Dereo HE** in a shielded cabinet and take it out at any time in order to work on the field.

High Energy

Electronics are sensitive to X-ray. **Dereo HE** is compatible with all existing sources (X-ray, gamma, betatrons, linear accelerators, ...) and all energies.

Robust

Tough handle, bumpers, military standard connectors, strong carrying case, ... will definitely grant a high level of robustness of your **Dereo HE** on the field. **IP67** certified.

Quick set-up

Very fast set-up and use thanks to smart hard- and software features.

Digital

Immediate image after couple of seconds.

Very user-friendly Maestro software.

Post-processing.

DICONDE Image format for universal file exchange.

Easy archiving & reporting.

Image quality

Automatic and fast averaging.

Pixel size from 200 down to 75 μm !

Highest sensitivity

Excellent signal to noise ratio ($\text{SNR} > 500$) thanks to smart calibration process and contrast resolution better than 1% (EN 462-1).

High penetration capability.

Dereo HE DDA SPECIFICATION

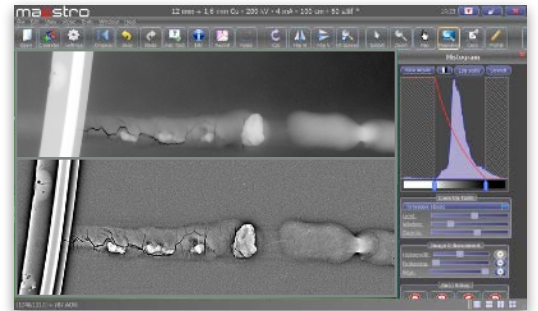


MODEL	ACTIVE AREA (cm)	PIXEL SIZE (μm)	GREY LEVEL (bit)	EXTERNAL DIMENSIONS (mm) without bumpers	WEIGHT (kg) battery included	WIRELESS
Dereo HE 1723	17 x 23	75	16	208 x 256 x 30	2.7	Yes
Dereo HE 2532	25 x 32	124	16	322 x 355 x 19	3.8	Yes
Dereo HE 3643	36 x 43	140	16	400 x 470 x 19	5.9	Yes
Dereo HE 4040	40 x 40	200	14 or 16	605 x 586 x 25	12.3	Yes

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**
- ▶ **Maestro Touch** for touchpads and **Maestro** for laptops
- ▶ Very **intuitive** software interfaces. Access to all key tools of **Maestro Touch** with your thumbs and with one click mouse on **Maestro**
- ▶ 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, ASTM-E 2698, E2736, E2737, E2597, Safran PR5250, Airbus AITM 6-7007 and Boeing BSS-7044)
- ▶ Wall thickness measurement
- ▶ 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



Dereo HE ACCESSORIES

X-RIS makes your job easy and supplies :

- ▶ 40m cable reel (designed by **X-RIS** for minimization)
- ▶ Bipods and tripods
- ▶ Carrying case and backpack
- ▶ Touchpads and laptops
- ▶ **GemX** portable battery powered X-ray generators



www.xris.eu