Portable High Energy X-ray DDA for heavy duty inspections



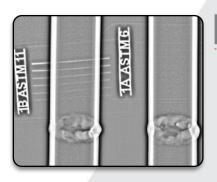


Website

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 (SNR > 500) thanks to smart calibration

process and contrast resolution better than 1% (EN 462-1).

High penetration capability.



Dereo HE SPECIFICATIONS

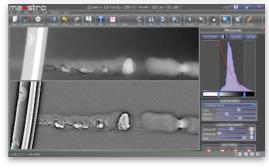


MODEL	ACTIVE AREA (cm)	PIXEL SIZE (μm)	GREY LEVEL (bit)	(mm) without bumpers	WEIGHT (kg) battery included	WIRELESS
Dereo HE 1723	17 x 23	75	16	208 x 256 x 30	2.7	Yes
Dereo HE 2329	23 x 29	75	16	322 x 355 x 17	3,4	Yes
Dereo HE 2532	25 x 32	124	16	322 x 355 x 19	3.8	Yes
Dereo HE 3643	36 x 43	140	16	400 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





