

## Portable battery-powered DDA for **H**igh **R**esolution NDT inspections

### APPLICATIONS

Makes possible DR inspection in hard-to-reach areas :

- ▶ Small bore pipe and spool welds
- ▶ Small diameter Ti and Al pipe welds
- ▶ E-beam welds
- ▶ Civil and military aircraft NDE
- ▶ Restauration & conservations
- ▶ Welding training centers, universities, ...



### KEY FEATURES

Easy and  
quick set-up

Generates X-ray pictures anywhere : use the **Dereo HR** in a shielded cabinet or take it out at any time to use the **Dereo HR** as the most portable tool on site

Ultra light DDA (**Dereo HR** : 1 kg, only !)  
Its compactness will definitely grant a high level of robustness of your **Dereo UP** on the field  
Battery powered

Image quality

Dynamic DDA  
Immediate image after couple of seconds  
**Very user-friendly Maestro** software  
Post-processing  
**DICONDE** format for universal file exchange  
Easy archiving & reporting

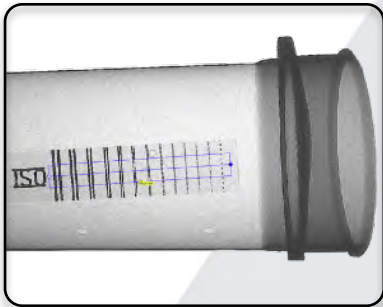
Unique

Optimized distance from the 3 sides, in order to reduce the dead area, to cover even more applications.  
With **GemX** X-ray generators, change kV and mA during X-ray shot and adjust the image. « You just can't fail your x-ray shot ! » Automatic averaging  
**Dereo HR** (49  $\mu$ m) complies with ISO 17636-2

- Class B for thickness higher than 1.5 mm
- Class A for thickness higher than 0.1 mm

Power

Battery powered thanks to **X-RIS'** GUC



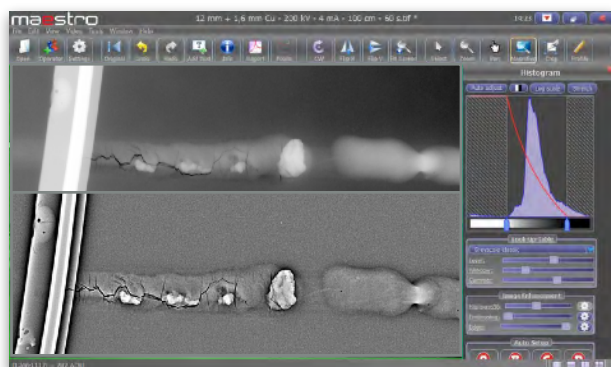
## Dereo HR DDA SPECIFICATIONS



MODEL	TECHNOLOGY	ACTIVE AREA (cm)	PIXEL SIZE (μm)	GREY LEVEL (bit)	EXTERNAL DIMENSIONS (mm) without bumpers	WEIGHT (kg) battery included	FRAME RATE (fps)
<b>Dereo HR 1506</b>	CMOS	15 x 06	49	14	80 x 230 x 26.5	1	9

## 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
- ▶ **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 HR ACCESSORIES

**X-RIS** makes your job easy and supplies :

- ▶ Carrying case and backpack
- ▶ Touchpads and laptops
- ▶ **GemX** portable battery powered X-ray generators



[www.xris.eu](http://www.xris.eu)