Dereo PS

Battery powered Portable X-ray DDA for Smart NDT inspections

APPLICATIONS

- Portable digital system for indoor and outdoor x-ray jobs
- Quality control of aerospace structures, shipyards, pipes, power lines, buildings, railway, windmills, ammunitions, …
- Periodic maintenance control
- Weldings, castings, corrosion under insulation, composite materials,…
- Historical assets (in Museums, laboratories, universities,…)

KEY FEATURES

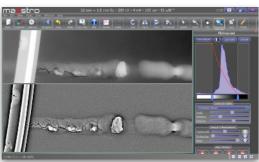|	
Very portable	X-ray pictures anywhere. Battery powered.
Large area	Active area of 24 x 30 cm.
Quick set-up	X-ray pictures at anytime.
Digital	Instant results. Very easy set-up and use, thanks to the automatic real-time filter magnifier, and to the wide contrast latitude of digital technologies. Very user-friendly **Maestro** software. Post-processing. TIFF & JPG format. Easy archiving & reporting. No more consumables (films and chemicals) & dark room needed.
Image quality	High resolution (from 120 down to 68 μm depending on binning mode) and high contrast (16 bit).
High sensitivity	Ability to X-ray a large range of different objects and materials, from light materials such as paper, up to several mm Fe.
Real-time	Real-time X-ray pictures for urgent image acquisition and analysis.
Robust	Real 2D panel. There are no mirror, neither fragile moving parts inside the detector such as engine and belt.

Dereo PS DDA SPECIFICATIONS

MODEL	TECHNOLOGY	ACTIVE AREA (cm)	PIXEL SIZE (µm)	GREY LEVEL (bit)	EXTERNAL DIMENSIONS) (mm)	WEIGHT (kg)
Dereo PS 2530	DRZ-Std / Csl Camera	24 x 30	68 or 120	16	256 x 410 x 77	7,2

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 PS ACCESSORIES

- **GemX** constant potential X-ray generator
- Wireless modules
- Battery-powered
- IP66 Carrying case
- Backpack

www.xris.eu

Rue d'Abhooz, 25 I 4040 HERSTAL - BELGIUM

Tel : + 32 4 367 07 92 I E-mail : info@xris.eu