



## Battery powered **P**ortable X-ray DDA for **S**mart 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  $\mu$ m 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.

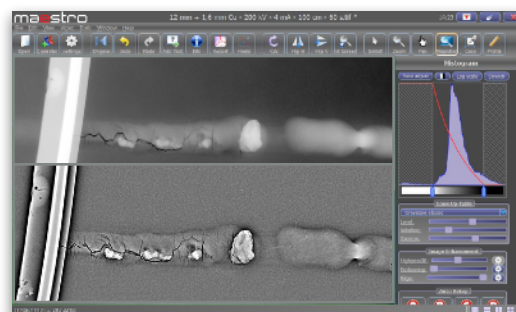
# Dereo PS DDA SPECIFICATIONS



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



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