

# Battery powered **P**ortable X-ray DDA for **S**mart NDT inspections

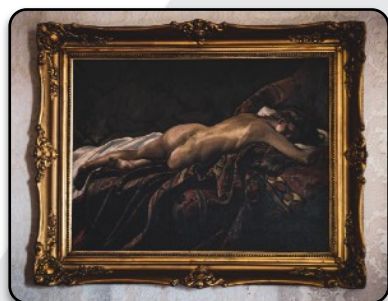


[Website](#)

## Dereo PS

### 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.<br>Battery powered.                                                                                                                                                                                                                                                                                                          |
| Large area       | Active area of 24 x 30 cm.                                                                                                                                                                                                                                                                                                                            |
| Quick set-up     | X-ray pictures at anytime.                                                                                                                                                                                                                                                                                                                            |
| Digital          | Instant results.<br>Very easy set-up and use, thanks to the automatic real-time filter magnifier, and to the wide contrast latitude of digital technologies.<br>Very user-friendly <b>Maestro</b> software.<br>Post-processing.<br>TIFF & JPG format.<br>Easy archiving & reporting.<br>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        | <b>Real-time X-ray pictures</b> for urgent image acquisition and analysis.                                                                                                                                                                                                                                                                            |
| Robust           | Real 2D panel. <b>There are no mirror</b> , neither fragile moving parts inside the detector such as engine and belt.                                                                                                                                                                                                                                 |

## Dereo PS SPECIFICATIONS

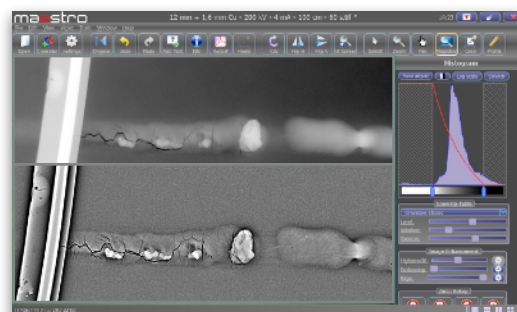


| MODEL                | ACTIVE AREA<br>(cm) | PIXEL SIZE<br>(μm) | GREY LEVEL<br>(bit) | EXTERNAL DIMENSIONS<br>(mm) | WEIGHT<br>(kg) <i>battery included</i> | WIRELESS |
|----------------------|---------------------|--------------------|---------------------|-----------------------------|----------------------------------------|----------|
| <b>Dereo PS 2530</b> | 24 x 30             | 68 or 120          | 16                  | 256 x 410 x 77              | 7.2                                    | 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 PS ACCESSORIES

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

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

