Leonardo DR mini II
The X-ray suitcase for mobile applications in material testing or quality inspection

The portable X-ray system for Non Destructive Testing (RT) of welds, castings and forgings, etc. for various applications
The newest model in our Leonardo series, the compact and versatile Leonardo DR mini II, combines X-ray detector technology with a high-performance acquisition and control software ORinspect for Non Destructive Testing (RT). Weighing only 8.9 kg, the system is one of the lightest suitcase X-ray solutions worldwide.

The Leonardo DR mini II is optimised for stationary as well as mobile use and easy to operate. Its built-in 17” premium notebook with high resolution touchscreen monitor as well as integrated acquisition and control software, functions via touchscreen and mouse, guarantees excellent image display. The professional high-performance image processing is adaptable to individual users’ and material-specific requirements and ensures outstanding image quality.

Two versions of the system are available:
- Leonardo DR mini II [1210]: mobile X-ray system with wireless X-ray detector, format 24 x 30 cm
- Leonardo DR mini II [1417]: mobile X-ray system with wireless X-ray detector, format 35 x 43 cm
Leonardo DR mini II

System benefits

**Ingeniously designed:** wireless and battery-powered – designed for use in confined spaces as well as in the field

**Wireless:** battery-operated system can run continuously for over four hours – providing flexibility and maneuverability in difficult environments

**Compact:** weighing only approx. 8.9 kg, the case fits behind any car seat

**Practical:** 17” laptop can easily be removed from its secured location within the case – for use in an optimal ergonomic position or as a tablet during presentations

**Excellent:** high-quality X-ray detector based on a caesium iodide (CsI) scintillator – top image quality even at low X-ray doses

**User-friendly:** self-explanatory OR Technology acquisition and control software ORinspect for non-destructive testing

**Fast:** shortly after taking the shot (6 - 8 seconds), the X-ray image is already available for viewing and evaluation

**Accessibility:** integrated software offers a worldwide, fast and cost-effective exchange of information (via cloud or email)

Detailed information can be found at [www.or-technology.com](http://www.or-technology.com)
Advantages of acquisition and control software

- Modern graphical user interface (GUI) adaptable to almost any language, **touchscreen** operation – to ensure quick and efficient work and a smooth workflow.

- **Free configuration** of testing objects already in the system (stipulations for testing images incl. X-ray value settings).

- Safe and quick **registration of ad hoc tests/inspections** (spontaneous test without detailed advance planning).

- Allows **switching between planned examinations** of a test object.

- **Images can be appended** to records even **after examinations** are complete.

- **User-defined macros** for recurring examinations.

- To document the testing/inspection setup, **photos** can be attached to the test images.

- **Wireless remote control** of digital X-ray system, with display of worklist, image thumbnails and much more...

- Intuitive **multi-image concept** for SNR improvement.

- Automatic and manual **stitching** (combination of several images).

Detailed information can be found at www.or-technology.com
The 17" laptop can easily be removed from its secured location within the case and can be used as a tablet during presentations.

More information about Leonardo DR mini II can be found here: www.or-technology.com
Standard components of the **Leonardo DR mini II**

**Compact and light suitcase**
- Including shoulder strap, total weight: 8.9 kg (including the complete suitcase, notebook, power supply and electronics), size: ca. 49 x 39.5 x 17 cm

**Notebook**
- Convertible 2-in-1 premium notebook with large monitor, newest 8th generation Intel® Core™ i7 processor, 16 GB RAM, 17.3" full HD touchscreen monitor, keyboard with background lighting, SSD hard disk 512 GB

**Flat panel detector**
- 24 x 30 cm (10" x 12") wireless*
  - Wireless X-ray imaging!
  - Fits into an existing X-ray system without requiring modification (in conformity with the X-ray film cassette), fast charging, long life batteries incl. battery charger

**Flat panel detector**
- 35 x 43 cm (14" x 17") wireless*
  - Wireless X-ray imaging!
  - Fits into an existing X-ray system without requiring modification (in conformity with the X-ray film cassette), fast charging, long-life batteries incl. battery charger

**Flat panel detector**
- 35 x 43 cm (14" x 17")* CsI
  - Detector with excellent image quality and immediate image availability

**Leonardo DR mini II software package**
- With ORinspect, the professional acquisition and control software for the non-destructive X-ray testing with modern graphical user interface with basic software included:
  - ORinspect DICONDE Send SCU
  - ORinspect DICONDE Object CD
  - ORinspect Cognition Optimised Processing

**Extension for battery operation**
- Allows working without power connection up to an average of 4-6 hours in normal mode

**Optional components to upgrade the Leonardo DR mini II system**

- **Wireless synchronisation with any X-ray generator**
- **Protection Case 1210 and 1417**
- **Transport bag for 35 x 43 cm flat panel**
  - Size: 55.5 x 49 x 6 cm
- **Amadeo P high frequency X-ray system**
  - Portable high frequency X-ray units for high-quality X-ray images:
  - Low weight and user-friendly operation enable various fields of application in small animal practices and equine clinics

---

Specifications subject to revision without notice

The editor strives to impart correct and up-to-date information. The provided specifications are based on current knowledge and are subject to revision without notice. This brochure is subject to correction. The editor assumes no responsibility for the information being up to date, correct, and complete.

All furnished logos, pictures, and graphics are property of the particular company and subject to copyright of the licensor. Use, dissemination, distribution, or copying of the pictures, logos, or text compiled or processed by the editor is subject to our written consent. All rights reserved.