

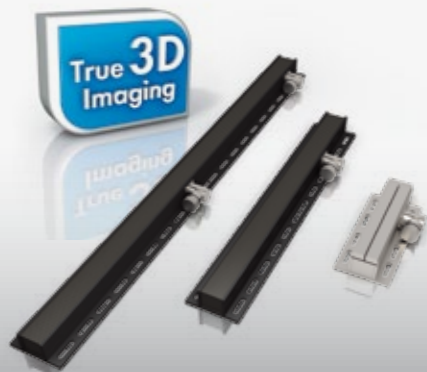
## Technical Data

## DRP 2020 NDT

Voltage	100 - 240 Volt
Frequency	50 - 60 Hz
Power	215 Watt
Safety class	IP 65
Operation and storage temperature	10 - 40° (operation), -10 - 50° (transport)
Vibration	Equals IEC 60068-6 (10-150Hz, 0.5g)
Dimensions (H x W x D)	2,2 cm x 29,5 cm x 36,0 cm
Active area	204,8 mm x 204,8 mm
Weight	6,5 Kg
Grey levels	14 bit version and 16bit version available
Software	DÜRR NDT D-Tect
Interface	USB 2.0, LAN
IT-requirements	Current requirements under <a href="http://www.duerr-ndt.de">www.duerr-ndt.de</a>
Necessary accessories	Power supply unit, DC-cable, AC-cable, I/F cable
Optional accessories	Radiation protection with different screenings

### DRL 80 - 640 NDT

X-ray linescan cameras for in-line inspection. 83 µm resolution. 20 kV - 450 kV.



### HD-CR 35 NDT

The highly mobile alternative for all applications. 12,5 µm pixel pitch.



### HD-CR 43 NDT

The stationary fully automatic scanner for heavy workload applications. 12,5 µm pixel pitch.



### CR 7 NDT

Image plate scanner for small formats. 12,5 µm pixel pitch.



**Direct radiography**  
Latest generation technology



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MADE IN GERMANY



**DRP 2020 • Brilliant results always and everywhere**

With the DRP 2020 NDT, a new generation of flat panel detectors becomes available for all applications in NDT.

Thanks to the 200 µm pixel pitch, images with an outstanding quality are always delivered.

The optional cassette protects the ultra-light panel (3,5 kg) from hard radiation and helps to easily mount it e.g. on a pipe for on-stream- or in-line-inspection.

A sandwich of various materials shields the electronics from hard radiation, for the first time, a digital panel can be safely used for both field-inspection and stationary inspection,

even if hard radiation e.g. from Isotopes apply. The image quality and signal/noise ratio is unrivalled.

DÜRR NDT offers complete systems and upgrades.

▶ **Brilliant results**

▶ **Mobile operation possible**

▶ **From 50 kV to 15 MV**

**Fixing point**

The robust fixing point simplifies panel orientation

**Protected area**

Cassettes with various shieldings available.

**Durability**

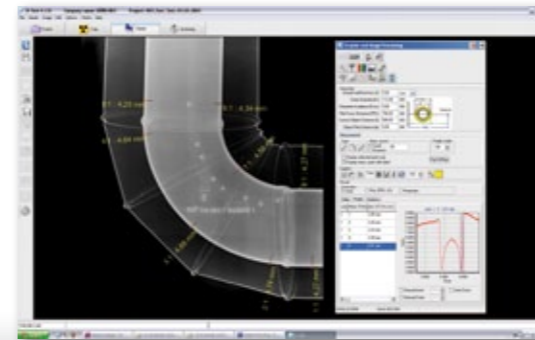
The sensor itself is radiation proof up to 15 MV.

**Mobility**

With a weight of 3,5 kg, the panel is perfect for mobile operation.



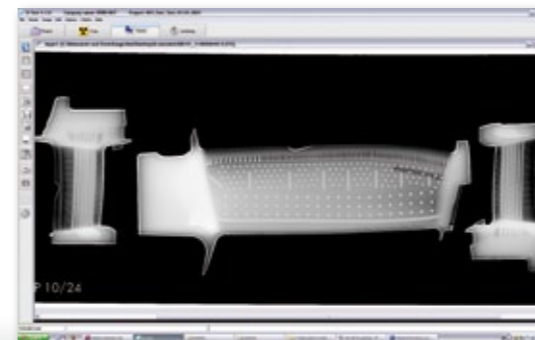
**DRP 2020 NDT and D-Tect • Always a perfectly tailored solution**



**Automatic wall thickness measuring**

With use of the optional wall thickness measuring tool, the definition of remaining wallthickness becomes simple and fast.

The measuring tool takes into account whether manual calibration data is input or whether exposure parameters have been recorded, as required by the technique of radiographic projection.



**Histogram Equalization**

Equalization of the grey values in the histogram enables the simultaneous optical evaluation of different materials with different density.

**High contrast filter**

This filter optimizes the contrast ratio of the image. The original data always remains unchanged.



**Fine Structure-Filter**

The Fine-Structure-Filter is particularly helpful for weld seams. Small defects are slightly enhanced and contrast is optimized. The original image data is always preserved.

**Manual measurements**

The size of inclusions or cracks can be determined by use of the manual tools.

**Shielding**

The sandwich-like shielding delivers perfect protection of the electronics.

**Sensor size**

The active sensor area is 204,8 mm x 204,8 mm

