

# PRODUCT CATALOG

## 01-2019

SYSTEMS AND ACCESSORIES FOR INDUSTRIAL RADIOGRAPHY



*Digital Intelligence - Ready to Change.*  
[www.duerr-ndt.com](http://www.duerr-ndt.com)



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**30 micron**  
Basic Spatial Resolution  
**CERTIFIED**

**BAM** Design-type tested  
Certification N°: BAM/ZBF/003/15

**TreFoc**  
TECHNOLOGY

## CR 35 IMAGING PLATE SCANNER

### CR 35 NDT/HD-CR 35 NDT

The combination of imaging plate scanner, built-in mini PC, high-resolution colour display and support for up to a 32 GB SDHC card makes the CR 35 NDT/HD-CR 35 NDT the perfect system for any non-destructive testing application.

Whether used in mobile applications, in the production process, or code-compliant testing, the scanner supports you with optimum flexibility and image quality.

Display	4.3" TFT, 800 x 480 px
PC Interface	Ethernet (TCP-IP), WLAN
Expandable Storage	SDHC, max 32 GB
Electrical	100 - 240 VAC / 50 - 60 Hz, < 140 W
Dimensions (HxWxD)	37 x 40 x 47 cm
Weight	17.5 kg

#### Including 5-year guarantee

\*The guarantee applies to devices purchased from October 1, 2017, for more information see guarantee conditions at [www.duerr-ndt.com](http://www.duerr-ndt.com).

2134-60

### CR 35 NDT

Laser spot size	50 µm
SR <sub>b</sub>	80 µm

2134-61

### HD-CR 35 NDT with TreFoc Technology

Using ultra high resolution imaging plates with this HD-CR device, it is possible to achieve an unmatched Basic Spatial Resolution of 30 µm.

TreFoc technology allows the laser beam to be adjusted in order to produce optimal image results and the highest signal-to-noise ratio no matter the application.

Laser spot size	12.5, 25, 50 µm (TreFoc Technology)
SR <sub>b</sub>	<b>30 µm certified by BAM</b>

# COMPUTED RADIOGRAPHY

## CR 35 ACCESSORIES

2134-105-00



### CR 35 guidance metric

Allows simultaneous feeding of up to 3 imaging plates with 100 mm width, or 4 imaging plates with 60 mm width.

Suitable for ALL CR 35 models.

2134100028



### CR 35 mobile power adapter

Allows the CR 35 scanner systems to be easily used in any location.

The adapter can be connected to a battery pack or directly to a car cigarette lighter.

Any 12V battery with a capacity of at least 10 Ah can be used.

For lead-acid batteries, SLA (Sealed Lead-Acid) type batteries are recommended.

The battery must be purchased separately and is not sold by DÜRR NDT.

Electrical	Input 12 V / Output 24 V
Connection	Cigarette lighter plug

CASE100001



### CR 35 transport case

Improved quality, handling, scanner fixation and padding.

Small and compact design for comfortable scanner transportation.

**Not recommended for cargo shipment!**

Dimensions (WxDxH)	48 x 52 x 56 cm
Weight	10 kg



### CR 35 package

For safe cargo transportation.

2134-009-00	Package
9000-470-076	Aluminum bag
9000-470-062	Dry bag (2 pcs)

GAPCGREY107



### CR 35 protection cover

Protects scanner from dirt and dust. Made of breathable material to avoid condensation. Features an elastic strip to ensure a secure fit.

discover **HC**discover **HR**

## SCANX DISCOVER IMAGING PLATE SCANNER

**ScanX Discover**

Developed to withstand the wear and tear of industrial radiography, the ScanX Discover models offer a mobile and extremely rugged solution for demanding NDT environments. The system operates flawlessly even when working in dirty, damp, hot and cold conditions.

PC Interface	USB
Electrical	100 - 240 VAC / 50 - 60 Hz, < 140 W
Dimensions (HxWxD)	36 x 40 x 46 cm
Weight	20 kg / 21 kg (with battery)

**Including 5-year guarantee**

\*The guarantee applies to devices purchased from October 1, 2017, for more information see guarantee conditions at [www.scanx-ndt.com](http://www.scanx-ndt.com).

2138100012  
2138100011

**ScanX Discover HC****ScanX Discover HC-B (with built-in battery)**

Ideal for isotopes

Laser spot size 50 µm

2138100010  
2138100009

**ScanX Discover HR****ScanX Discover HR-B (with built-in battery)**

Ideal for HD image capture.

Using ultra high resolution imaging plates with this HR device, it is possible to achieve a Basic Spatial Resolution of 30 µm.

Laser spot size 14 µm

**SR<sub>b</sub> 30 µm certified by BAM**



## SCANX DISCOVER ACCESSORIES



### ScanX cleaning sheets

Cleans the scanner using a sticky surface.

2138100033      Cleaning sheet (12 pcs)

2138100034      Cleaning sheet (25 pcs)

2138100039



### Feeder kit

Used to feed long plates. Includes 2 drum extensions (each end).

Length              71 x 46 x 28 cm

Weight             9 kg

2138100040



### Guide kit

Multiple imaging plates can be accurately and simultaneously fed.

3 lane: up to 4.5 inches (11 cm) IP width each

4 lane: up to 2.5 inches (6 cm) IP width each

2138100030



### Hard case

Small and compact design for comfortable scanner transportation.

**Not recommended for cargo shipment!**

Dimensions (WxDxH) 54 x 41 x 67 cm

Weight             13.5 kg

2138100031



### Soft carry case

Fabric case with internal foam inserts, 3 plastic handles and 1 adjustable shoulder strap.

Dimensions (WxDxH) 54 x 49 x 69 cm

Weight             8.5 kg

2138100041



### Dust cover

Protects scanner from dirt and dust.

## IMAGING PLATES FOR CR 35 AND SCANX DISCOVER / SELECTED FORMATS / EACH SEPERATELY PACKED

SR<sub>b</sub> μm  
30  
mGy  
15.5

### UH (ultra high resolution, blue)

UHIP100006	UH-IP ultra high resolution Imaging plate 6 x 24 cm
UHIP100001	UH-IP ultra high resolution Imaging plate 10 x 24 cm
UHIP100005	UH-IP ultra high resolution Imaging plate 18 x 24 cm
UHIP100008	UH-IP ultra high resolution Imaging plate 24 x 30 cm
UHIP100015	UH-IP ultra high resolution Imaging plate 4.5 x 10"
UHIP100016	UH-IP ultra high resolution Imaging plate 4.5 x 17"
UHIP100014	UH-IP ultra high resolution Imaging plate 5 x 7"
UHIP100013	UH-IP ultra high resolution Imaging plate 8 x 10"

SR<sub>b</sub> μm  
40  
mGy  
12

### XHD (high resolution, blue)

XL1024CM113	DÜRR NDT X HD Imaging plate 10 x 24 cm
XL1048CM113	DÜRR NDT X HD Imaging plate 10 x 48 cm
XL1824CM113	DÜRR NDT X HD Imaging plate 18 x 24 cm
XL2430CM113	DÜRR NDT X HD Imaging plate 24 x 30 cm
XL3543CM113	DÜRR NDT X HD Imaging plate 35 x 43 cm

SR<sub>b</sub> μm  
40  
mGy  
6

### HD (high resolution, blue) - Not available in the USA!

HDIP0624108	HD-IP Plus Imaging plate 6 x 24 cm
HDIP0648108	HD-IP Plus Imaging plate 6 x 48 cm
HDIP1024108	HD-IP Plus Imaging plate 10 x 24 cm
HDIP1048108	HD-IP Plus Imaging plate 10 x 48 cm
HDIP1824108	HD-IP Plus Imaging plate 18 x 24 cm
HDIP2430108	HD-IP Plus Imaging plate 24 x 30 cm
HDIP3543108	HD-IP Plus Imaging plate 35 x 43 cm

SR<sub>b</sub> μm  
63  
mGy  
3.3

### HCR (regular definition, white)

HR1024CM113	DÜRR NDT H CR Imaging plate 10 x 24 cm
HR1048CM113	DÜRR NDT H CR Imaging plate 10 x 48 cm
HR1824CM113	DÜRR NDT H CR Imaging plate 18 x 24 cm
HR2430CM113	DÜRR NDT H CR Imaging plate 24 x 30 cm
HR3543CM113	DÜRR NDT H CR Imaging plate 35 x 43 cm
HRIP100002	DÜRR NDT H CR Imaging plate 4.5 x 10"
HRIP100015	DÜRR NDT H CR Imaging plate 4.5 x 17"
HRIP100014	DÜRR NDT H CR Imaging plate 5 x 7"
HR0810IN114	DÜRR NDT H CR Imaging plate 8 x 10"

SR<sub>b</sub> μm  
100  
mGy  
1.4

### GCR (high sensitivity, white)

GP1024CM113	DÜRR NDT G CR Imaging plate 10 x 24 cm
GP1048CM113	DÜRR NDT G CR Imaging plate 10 x 48 cm
GP1824CM113	DÜRR NDT G CR Imaging plate 18 x 24 cm
GP2430CM113	DÜRR NDT G CR Imaging plate 24 x 30 cm
GP3543CM113	DÜRR NDT G CR Imaging plate 35 x 43 cm
GPIP100007	DÜRR NDT G CR Imaging plate 8 x 10"

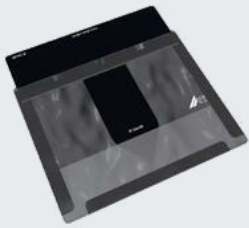
SR<sub>b</sub> μm  
100  
mGy  
1.4

### CR (high sensitivity, white) - Not available in the USA!

CRIP0624109	CR-IP Imaging plate 6 x 24 cm
CRIP1024109	CR-IP Imaging plate 10 x 24 cm
CRIP1048109	CR-IP Imaging plate 10 x 48 cm
CRIP1824109	CR-IP Imaging plate 18 x 24 cm
CRIP2430109	CR-IP Imaging plate 24 x 30 cm
CRIP3040109	CR-IP Imaging plate 30 x 40 cm
CRIP3543109	CR-IP Imaging plate 35 x 43 cm

Additional standard and special formats available on request.

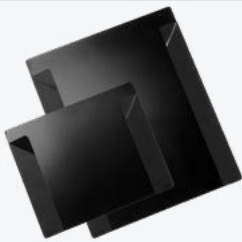
## IMAGING PLATE ACCESSORIES



### CR 35 imaging plate protectors

Reduces wear during the feeding process and prolongs the imaging plate lifetime.

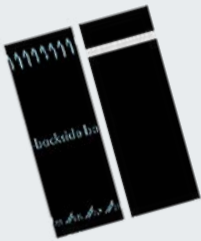
2132-023-50	CR 35 imaging plate protector 18 x 24 cm (1 pc)
2132-021-50	CR 35 imaging plate protector 24 x 30 cm (1 pc)
2132-022-50	CR 35 imaging plate protector 30 x 40 cm (1 pc)
2132-024-50	CR 35 imaging plate protector 35 x 43 cm (1 pc)
2131100003	CR 35 imaging plate protector 8 x 10" (1 pc)
2131100002	CR 35 imaging plate protector 10 x 12" (1 pc)



### ScanX Discover imaging plate protectors

Reduces wear during the feeding process and prolongs the imaging plate lifetime.

2138100035	ScanX imaging plate protector 8 x 10" (1 pc)
2138100036	ScanX imaging plate protector 10 x 12" (1 pc)
2138100037	ScanX imaging plate protector 14 x 17" (1 pc)



### Single-use protection sleeves

Protects imaging plates from physical damage and prolongs the imaging plate lifetime.

LIPS1024210	Single-use protection sleeves 10 x 24 cm (1000 pcs)
LIPS1048210	Single-use protection sleeves 10 x 48 cm (1000 pcs)
LIPS100001	Single-use protection sleeves 4.5 x 10" (1000 pcs)
LIPS100002	Single-use protection sleeves 4.5 x 17" (1000 pcs)
LIPS100003	Single-use protection sleeves 8 x 10" (1000 pcs)



### Flexible cassettes

For the secure handling and protection of the imaging plate during the exposure.

2134-021-00	Flexible cassette 10 x 24 cm (Set of 4 / unit)
2134-023-00	Flexible cassette 10 x 48 cm (Set of 4 / unit)
2134-024-00	Flexible cassette 24 x 30 cm (Set of 4 / unit)
2134-033-00	Flexible cassette 30 x 40 cm (Set of 4 / unit)
2134-034-00	Flexible cassette 35 x 43 cm (Set of 4 / unit)
NACS0624107	Flexible cassette 6 x 24 cm (1 pc)
NACS0648107	Flexible cassette 6 x 48 cm (1 pc)
NACS1824107	Flexible cassette 18 x 24 cm (1 pc)

(Special formats available on request)



### Rigid cassettes

For the secure handling and protection of the imaging plate during exposure.

KUNK100001	Plastic cassette NDT 18 x 24 cm (1 pc)
KUNK100002	Plastic cassette NDT 24 x 30 cm (1 pc)
KUNK100003	Plastic cassette NDT 30 x 40 cm (1 pc)
KUNK100004	Plastic cassette NDT 35 x 43 cm (1 pc)



### IP-Cleaning Wipes

Special cleaning wipes to safely clean all DÜRR NDT imaging plates.

CCB351A0101	1 carton contains 10 boxes each containing 10 individually packaged wipes.
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## IMAGING PLATE CASSETTES FOR CR 43



### High resolution IP cassettes

2133-010-72	CR 43 NDT X HD cassette 18 x 24 cm, 0.1 mm Cu
2133-020-72	CR 43 NDT X HD cassette 24 x 30 cm, 0.1 mm Cu
2133-040-72	CR 43 NDT X HD cassette 35 x 43 cm, 0.1 mm Cu



### Regular definition IP cassettes

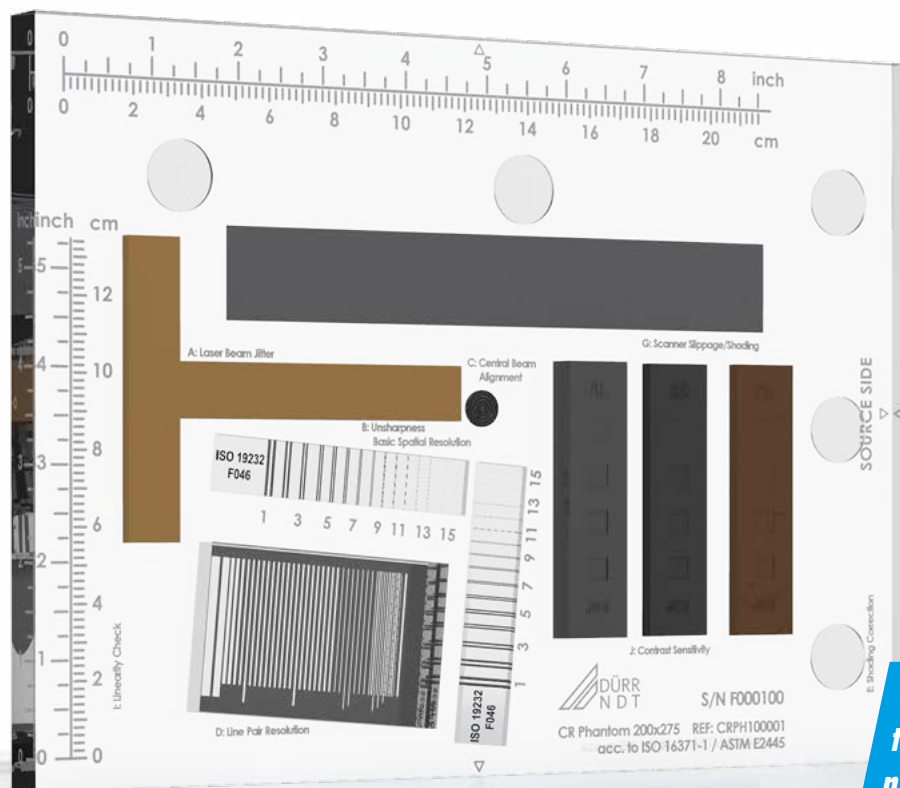
2133-010-71	CR 43 NDT H cassette 18 x 24 cm, 0.1 mm Cu
2133-020-71	CR 43 NDT H cassette 24 x 30 cm, 0.1 mm Cu
2133-040-71	CR 43 NDT H cassette 35 x 43 cm, 0.1 mm Cu



### High sensitivity IP cassettes

2133-010-70	CR 43 NDT G cassette 18 x 24 cm, 0.1 mm Cu
2133-020-70	CR 43 NDT G cassette 24 x 30 cm, 0.1 mm Cu
2133-040-70	CR 43 NDT G cassette 35 x 43 cm, 0.1 mm Cu

# EASY QUALIFICATION ACCORDING TO THE LATEST STANDARDS



**Download  
test procedure  
now for free!**

[www.duerr-ndt.com/register](http://www.duerr-ndt.com/register)

## CR PHANTOM

CRPH100001

### CR Phantom

Test specimen for Computed Radiography systems. Features two D15 duplex wire IQI's, BAM Snail, T-Target, Low-Contrast IQI in accordance with ISO 16371-1, ASTM E2445.

Dimensions (H x W x D)  
Scope of supply

200 x 275 x 15 mm (7.9 x 10.8 x 0.59")  
CR Phantom in lined wooden case,  
test reports according to ISO 16371-1/ASTM E 2445,  
Declaration of Conformity according to EN 45014,  
test procedure (download at: [www.duerr-ndt.com/register](http://www.duerr-ndt.com/register))



# *ULTRA-HIGH RESOLUTION*

## *DIRECT RADIOGRAPHY*



*DR 7 CMOS DETECTOR*

2122100013

### **DR 7 NDT**

For ultra-high resolution imaging which meets aerospace standards. In order to withstand harsh environments, the detector is equipped with a durable aluminum casing and its active area is protected by a strong carbon fibre layer.

Selectable gain settings.

Includes case, calibration CD and manual.

Active area	26 x 36 mm (1.0 x 1.4")
Dimensions (H x W x D)	31.5 x 50 x 8.3 mm (1.24 x 1.97 x 0.33")
Number of pixels	1368 x 1896
Pixel pitch	19 µm
SR <sub>b</sub>	25 µm
Grayscale resolution	16 bit
Interface	USB 2.0, USB 3.0 compatible
Cable length	4.5 m + 4.8 m optional active USB cable extension



# HIGH-RESOLUTION AND EXTREMELY ROBUST DEVELOPED FOR MAXIMUM PORTABILITY



## DRC WIRELESS FLAT PANEL DETECTOR

### DRC 2430 NDT

Active area	233 x 291 mm (9.2 x 11.5")
Dimensions (H x W x D)	327 x 362 x 21.5 mm (12.9 x 14.3 x 0.85")
Weight	3.2 kg (7 lbs)
Number of pixels	3072 x 3840
Image transfer time (wired/wireless)	3/5 s (@ 1000 ms integration time)
Pixel pitch	76 µm
Scintillator	GOS
ADC	16-bit
Interface	Gigabit Ethernet, WLAN: 2.4 GHz (802.11abgn) / 5 GHz (802.11n, 2x2 MIMO)
Battery	Lithium-ion (7.4 V, 29.6 Wh), charging time: ≤ 2 h, operating time: 3-4 h
Protection level	IP67 (dust-tight and waterproof)
Scope of supply	2 battery packs, battery charger (incl. power supply, power plug types B, F, I), DRC Ethernet adapter cable (1 m), user manual
Warranty	2 years

DR02100001

### DRC 2430 NDT DRZ Fine (GOS)

For X-ray sources at high resolution.

DR02100002

### DRC 2430 NDT DRZ Plus (GOS)

For Gamma and X-ray sources.

If you are unsure which detector to choose, please contact your DÜRR NDT Sales Manager.

## DRC ACCESSORIES

DR02100030



### DRC 2430 case small

Waterproof and compact hard case for safe transportation.  
Provides space for detector, batteries, charger and cables.

Dimensions (WxDxH) 56.6 x 45.7 x 21.2 cm

Weight 5.5 kg

DR02100050



### DRC 2430 protective bag

Bag made of durable fabric with transparent plastic window and Velcro fasteners for additional protection during operation, transport and storage.

DR02100031



### DRC battery pack

Lithium-ion (7.4 V, 29.6 Wh), charging time: ≤ 2 h,  
operating time: 3-4 h



### DRC Ethernet and power adapter cable set

Adapter cable set for completely wired operation (data and power).

10-pin circular DRC connector (IP67) to RJ45 Ethernet plug and 4-pin power supply connector.

The required power supply is already included in the scope of supply of the DRC 2430 NDT.

DR02100047 DRC Ethernet and power adapter cable set 1.5 m

DR02100048 DRC Ethernet and power adapter cable set 6 m



### DRC Ethernet adapter cable

Adapter cable for wired network operation (data only, power via battery).

10-pin circular DRC connector (IP67) to RJ45 Ethernet plug.

DR02100035 DRC Ethernet adapter cable (Cat 7) 10 m

DR02100036 DRC Ethernet adapter cable (Cat 7) 25 m

DR02100033



### DRC power supply

**The DRC power supply is already included in the scope of supply of the DRC 2430 NDT.**

Additional power supply for use with the DRC battery charger and the  
DRC Ethernet and power adapter cable set.

### Warranty extension DRC 2430 NDT

The standard 2-year warranty can be extended at the time of purchase  
by one of the periods listed below:

DLKO100009 1 year warranty extension DRC 2430 NDT

DLKO100010 2 year warranty extension DRC 2430 NDT

DLKO100011 3 year warranty extension DRC 2430 NDT



## **LIGHTWEIGHT AND FAST** **WITH MULTIPLE SCINTILLATOR OPTIONS**



### **DRA WIRELESS FLAT PANEL DETECTOR**

#### **DRA 3543 NDT**

Active area	350 x 426 mm (14 x 17")
Dimensions (H x W x D)	384 x 460 x 15.5 mm (15.1 x 18.1 x 0.61")
Weight	3.2 kg (7 lbs)
Number of pixels	3524 x 4288
Image transfer time (wired/wireless)	0.5/3 s
Pixel pitch	100 µm
Scintillator options	CsI, GOS
ADC	16-bit
Interface	Gigabit Ethernet (TCP-IP), WLAN (802.11n @ 5 GHz)
Battery	Lithium-ion, 46.6 Wh, charging time 3 h
Scope of supply	2 battery packs, battery charger (power plug types B, F)

DRO1100003

#### **DRA 3543 NDT DRZ Fine (GOS)**

For X-ray sources at high resolution.

DRO1100004

#### **DRA 3543 NDT DRZ Plus (GOS)**

For Gamma and X-ray sources.

**A CsI detector for low dose X-ray applications and enhanced image quality is also available (requires technical consultation).**

If you are unsure which detector to choose, please contact your DÜRR NDT Sales Manager.

## DRA ACCESSORIES

DR01000045



### DRA 3543 case small

Waterproof hard case for safe transportation with retractable extension handle and two wheels.

Provides space for detector, batteries, charger and cables.

Dimensions (WxDxH) 55.9 x 43.1 x 26.7 cm

Weight 10 kg

DR01100052



### DRA 3543 protective bag

Bag made of durable fabric with transparent plastic window and Velcro fasteners for additional protection during operation, transport and storage.

DR01100030



### DRA battery pack

Lithium-ion (46.6 Wh), charging time 3 h

DR01100032



### DRA IPU (interface and power unit)

External interface and power unit for completely wired operation (data and power).

DRA detector cable, DRA AC power cable and standard Ethernet data cable not included.

Please order the required cables separately.

#### DRA detector cable for IPU

Special cable with data and power line to connect the detector to the DRA IPU.

DR01100033 DRA detector cable 5 m

DR01100034 DRA detector cable 10 m

#### DRA AC power cable

DR01100035 DRA AC power cable type F

DR01100036 DRA AC power cable type B

### DRA Ethernet adapter cable set

Adapter cable set for wired network operation (data only, power via battery).

LPT detector connector to RJ45 Ethernet plug.

DR01100049 DRA Ethernet adapter cable set 9.6 m

DR01100050 DRA Ethernet adapter cable set 17.25 m

DR01100051 DRA Ethernet adapter cable set 32.5 m

Standard Ethernet data cables on page 20. Further accessories (mountings, tripods, cases, ...) and spare parts are available on request.

# **BRILLIANT RESULTS ALWAYS AND EVERYWHERE**

## **SUITABLE FOR 24/7 OPERATION**



### **DRP FLAT PANEL DETECTORS**

#### **DRP 2020 NDT**

Active area	204.8 x 204.8 mm (8.06 x 8.06")
Dimensions (H x W x D)	295 x 360 x 22 mm (11.6 x 14.2 x 0.87")
Weight	3.7 kg (8.2 lbs)
Number of pixels	1024 x 1024
Pixel pitch	200 µm
Interface	Ethernet (TCP-IP)
Protection level	IP65
Gadox, industrial grade	
Radiation-hardened for harsh environments	
X-ray energies from 20 keV - 15 MeV*	
Selectable gain settings	

\* shielding required for  $\geq 160$  keV

XRDO822A014

#### **DRP 2020 NDT / Gadox / 14 BIT**

15 fps @ 200µm, up to 16,384 gray levels

XRDO822AP14

#### **DRP 2020 NDT / Gadox / 16 BIT**

25 fps @ 200µm, up to 65,536 gray levels

CT-Grade and CSI-Version on request

## DRP FLAT PANEL DETECTORS

### DRP 4040 NDT

Active area	409.6 x 409.6 mm (16.13 x 16.13")
Dimensions (HxWxD)	500 x 560 x 22 mm (19.7 x 22 x 0.87")
Weight	8.7 kg (19.2 lbs)
Pixel pitch	200 µm
Number of pixels	2048 x 2048 = 4,194,304
Interface	Ethernet (TCP-IP)
Protection level	IP65
Gadox, industrial grade	
Radiation-hardened for harsh environments	
X-ray energies from 20 keV - 15 MeV*	
Selectable gain settings	

\* shielding required for ≥ 160 keV

XRD1622AO14

### DRP 4040 NDT / Gadox / 14 BIT

1 fps @ 200µm, up to 16,384 gray levels

XRD1622AP14

### DRP 4040 NDT / Gadox / 16 BIT

1 fps @ 200µm, up to 65,536 gray levels

CT-Grade and CSI-Version on request

## DRP ACCESSORIES



### Shielding cassettes

For stationary 24/7 use.

Various shieldings for different keV levels available on request.

XRDZEPS215W



### Universal power supply 215W

Universal power supply for DRP 2020 and DRP 4040 (IP-67 rated).

Electrical 100 - 240 V AC, 50/60 Hz, 215 W

Dimensions (HxWxD) 25 x 12.7 x 8.3 cm

Weight 3.1 kg

### AC power cable for XRDZEPS215W

XRDZACDE112 AC main power cable - D

XRDZACUK112 AC main power cable - UK

XRDZACUS112 AC main power cable - US

XRDZACIE112 AC main power cable - IEC

### DC power cable for XRDZEPS215W

XRDZEPB07DC DRP 2020 - DC power cable 7.6 m / 25 ft

XRDZEPB15DC DRP 2020 - DC power cable 15.25 m / 50 ft

XRDZEPB30DC DRP 2020 - DC power cable 30.5 m / 100 ft

XRDZEP707DC DRP 4040 - DC power cable 7.6 m / 25 ft

XRDZ100005 DRP 4040 - DC power cable 15.25 m / 50 ft

### THE PERFECT ALL-IN-ONE SOFTWARE



#### D-TECT SOFTWARE FOR NDT APPLICATIONS

2134-725-02

##### **D-Tect Basic**

Features project, viewer, archive, and configuration modules as well as the standard toolbox for basic analysis. Fully DICOM compliant.

**The appropriate X-ray module is also required if used with a DÜRR NDT scanner, panel or CMOS detector.**

#### D-TECT SOFTWARE OPTIONS FOR NDT APPLICATIONS

2134-725-04

##### **D-Tect X-ray DÜRR NDT scanner**

Allows acquisition and storage (per Station ID)

2134-725-05

##### **D-Tect DICOM Send**

Allows images to be sent and stored in a separate DICOM picture archiving and communication system (PACS) (per Station ID)

2134-725-48

##### **D-Tect DICOM Project CD**

Intelligent CD/DVD writing software for easy DICOM project export

2134-725-10

##### **D-Tect Measurement Tool**

Special measurement tools for corrosion and wall thickness, standard report  
Conditional to previous purchase of D-Tect Basic (per Station ID)

2134-725-11

##### **D-Tect PT Tool**

Tool capable of measuring the "penetrated thickness"  
Conditional to previous purchase of D-Tect Basic (per Station ID)

2134-725-45

##### **D-Tect X-ray DÜRR NDT panel**

Allows acquisition and storage (per Station ID)

2134100022

##### **D-Tect X-ray DÜRR NDT CMOS detector**

Allows acquisition and storage (per Station ID)

2134100027

##### **D-Tect Enterprise**

System integration solution including multi-user imaging software and CR acquisition, automatic integration of DICOM images from existing processes with multi-vendor capability, full DICOM conformance and PACS connectivity, individual configuration support.

DLKO100003

##### **D-Tect Upgrade**





## SCANX VIEW SOFTWARE FOR NDT APPLICATIONS

2134-745-02

### ScanX View Basic

Features project, viewer, archive, and configuration modules as well as the standard toolbox for basic analysis. Fully DICOM compliant.

**The appropriate X-ray module is also required if used with a ScanX Discover scanner, DÜRR NDT panel or CMOS detector.**

## SCANX VIEW SOFTWARE OPTIONS FOR NDT APPLICATIONS

2134-745-04

### ScanX View X-ray ScanX Discover scanner

Allows acquisition and storage (per Station ID)

2134-745-05

### ScanX View DICOM Send

Allows images to be sent and stored in a separate DICOM picture archiving and communication system (PACS) (per Station ID)

2134-745-48

### ScanX View D-Tect DICOM Project CD

Intelligent CD/DVD writing software for easy DICOM project export

2134-745-10

### ScanX View Measurement Tool

Special measurement tools for corrosion and wall thickness, standard report  
Conditional to previous purchase of ScanX View Basic (per Station ID)

2134-745-11

### ScanX View PT Tool

Tool capable of measuring the "penetrated thickness"  
Conditional to previous purchase of ScanX View Basic (per Station ID)

2134-745-45

### ScanX View X-ray panel

Allows acquisition and storage (per Station ID)

2134100024

### ScanX View X-ray DÜRR NDT CMOS detector

Allows acquisition and storage (per Station ID)

DLKO100004

### ScanX View Upgrade

# COMPUTER & NETWORK

## PC AND MONITOR

NOTEBNDT110

### NDT Notebook

Latest product specification on request.  
Includes 3 Year Dell ProSupport  
English keyboard layout



WORKSTPC114

### NDT Workstation

Latest product specification on request.  
Includes 3 Year Dell ProSupport  
English keyboard layout



MONI100001

### 3 mega pixel LED color monitor

Latest product specification on request.



## NETWORK ACCESSORIES

### Ethernet data cables

Ethernet data cables with 6.5 mm diameter and RJ45 plugs.



NDTU100005	Ethernet data cable (Cat 7) 3 m
XRDZGIG7612	Ethernet data cable (Cat 7) 7.5 m
XRDZGIG1012	Ethernet data cable (Cat 7) 10 m
XRDZGIG1512	Ethernet data cable (Cat 7) 15 m
XRDZGIG3012	Ethernet data cable (Cat 7) 30 m

NDTU100004

### Ethernet cable reel (Cat 6a) 90m

RJ45 Ethernet cable reel with 90 m CAT 7a cable.  
CAT 6a jack and integrated CAT 6a data socket with dust protection cap.  
Metal base for secure, stable support.  
Rubberised handle and buckle for firm grip and lockin.



NDTU100003

### TP-TP coupling RJ45 (Cat 6)

TP-TP coupling to connect Ethernet cables with RJ45 plugs.  
Protection class IP67 (dust-tight and waterproof).  
Suitable for booted or non-booted patch cords and cable diameters from 3 to 8 mm.



# THE „LAPTOP“ AMONG THE AUTOMATIC FILM PROCESSORS



## XR 24 AUTOMATIC X-RAY FILM PROCESSOR

1734-08

### XR 24 NDT film processor

Microprocessor-controlled film processing guarantees optimal image quality. Dip-tank technology maintains consistent image quality by preventing chemicals from crystallizing. Processing parameters are fully adjustable.

#### Incl. XR NDT starter set small

Film format	min. 2 x 2 cm (0.8 x 0.8") max. width 24 cm (10")
Bath heating	400 Watt
Throughput time	5:30 - 10 min
Voltage	230 VAC / 50 - 60 Hz
Dimensions (HxWxD)	42 x 44 x 51 cm
Weight	25 kg

## XR 24 ACCESSORIES

1734-820-00



### **RU 24 NDT automatic regeneration set**

The chemicals automatically regenerate when developing increased volumes. The unit pumps a precisely defined amount of developer and fixer liquid into the tank of the XR 24 NDT.

1734-920-00



### **DL 26 NDT daylight loader**

Makes a darkroom obsolete.  
Book cartridge up to 24 x 30 cm max.

1734-007-00



### **XR 24 NDT cleaning film CF 100**

Pre-exposed films in 100-packs for cleaning the transport rollers in automatic film processors.

1330-001-51

### **Aqua Stop 2 m**

Closes the water supply mechanically in case of leakage.

# BRILLIANT RESULTS FOR YOUR INDUSTRIAL APPLICATION



## 'GREEN' X-RAY FILM PROCESSING CHEMISTRY

CXB310A7540



### Developer set XR D-6 NDT

2 x 6 litres concentrated developer yields to 2 x 20 litres ready to use solution.

Excellent developing characteristics.

**Non-carcinogenic** (no hydroquinone and no aldehydes).

CXB311A7540



### Fixer set XR F-6 NDT

2 x 6 litres concentrated fixer yields to 2 x 20 litres ready to use solution.

Excellent fixer characteristics and superior archivability.

**Boric acid free.**

CXB312A9940



### XR NDT starter set small

2 x 1.5 litres XR D-1.5 NDT

2 x 1.5 litres XR F-1.5 NDT

CCB810C5540



### XR Cleaner set NDT

For careful and thorough cleaning of rollers.

2 x 1 litre



## ULTRA-LIGHTWEIGHT BATTERY POWERED CP 120 B/CP 160 B X-RAY GENERATORS



**Can only be ordered in  
a bundle with an imaging  
device and software.**

### CPB PORTABLE X-RAY GENERATORS

Constant potential ultra-lightweight battery powered X-ray generators for NDT inspections

Optical focal spot	0.8 mm (0.031")
Leakage dose at 1 m at full output	< 2.0 mSv/h
Inherent filtration	3.5 Equiv. mm Al
Protection level	IP54
Max. continuous exposure time	300 sec
Working time at full power	15 min @ 20°C until low battery
Scope of supply	Hermetic reinforced carrying case, battery, battery charger (AC power cable Type F), user manual
Warranty	1 year

#### TUBE100011

##### CP 120 B

Output voltage range	40 - 120 kV
Dimensions (H x W x D)	227 x 155 x 470 mm (8.9 x 6.1 x 18.6")
Dimensions tube head (Ø x D)	124 x 440 mm (4.9 x 17.3")
Weight (including battery)	7.6 kg (16.8 lbs)
Tube current range	0.1 to 1.0 mA
Tube current at full output	1.0 mA
Maximum power at the anode	120 W
Steel penetration (max. power)	10 mm (0.4") *
Aluminum penetration (max. power)	60 mm (2.4") **
Maximum useful angle	50 x 50 °

#### TUBE100003

##### CP 160 B

Output voltage range	40 - 160 kV
Dimensions (H x W x D)	227 x 155 x 520 mm (8.9 x 6.1 x 20.5")
Dimensions tube head (Ø x D)	124 x 490 mm (4.9 x 19.3")
Weight (including battery)	9.3 kg (20.5 lbs)
Tube current range	0.1 to 0.5 mA
Tube current at full output	0.5 mA
Maximum power at the anode	80 W
Steel penetration (max. power)	21 mm (0.8") *
Aluminum penetration (max. power)	100 mm (3.9") **
Maximum useful angle	60 x 60 °

\* SFD/SDD=400 mm, Film=AA400, D=2, T=1 min \*\* SFD/SDD=400 mm, Film=D7, D=2, T=1 min

## CPB ACCESSORIES

TUBE100005



### CPB lithium-ion battery

Lithium-ion, 37 V, 1.6 Ah, 59,2 Wh, charging time 1 h.

TUBE100006



### CPB IP65 mains power supply

Power supply for stationary/wired use without battery.

TUBE100004



### CPB 30 m on/off trigger cable

For starting an exposure using a CPB X-ray generator.  
The trigger cable has an aluminum handle with a 2-position toggle switch.

TUBE100007



### CPB filter holder

The CPB can be equipped with a filter or lead cap (TUBE100008).  
Filters can be used to filter out low-energy beams and thus improve the image quality.  
By replacing the filter with a lead cap, the X-ray output beam can be blocked.  
This can be useful to limit the radiation during pre-heating of the CPB.

TUBE100008



### CPB lead cap

For use with CPB filter holder (TUBE100007). The lead cap blocks the X-ray output beam. This can be useful to limit the radiation during pre-heating of the CPB.

TUBE100009



### CPB adjustable collimator

To reduce the focus/focal spot of the X-ray output beam.

TUBE100010



### CPB 44 to 267 cm Tripod

Allows the CPB to be positioned at a desired height.  
Includes holder for CP120B/CP160B.

## SERVICES AND TRAININGS

0000-091	<b>Remote service charge</b> for each commenced 15 minute block <b>Outside</b> the regular working hours* Monday - Friday, by arrangement.
0000-092	<b>Remote service charge</b> for each commenced 15 minute block <b>Within</b> the regular working hours* Monday - Friday 9 a.m. - 5 p.m. CET
0000-340	<b>On-site service charge</b> per hour <b>Within</b> the regular working hours* Monday - Friday 9 a.m. - 5 p.m. CET Expenses such as travel cost and accommodation will be charged at cost. *Does not include German public holidays.
0000-000-80	<b>DÜRR NDT product training</b> Application, hardware and software. Per trainer and day excluding additional expenses. Expenses such as travel cost and accommodation will be charged at cost.
DLKO100001	<b>ASNT training course</b> (Up to 40 hours theoretical and hands-on-training) The participant can apply those training hours for ASNT NDT Level III recertification points up to the 10-point limit shown for Category B on the Points table on page 5 of the Level III recertification application form.

This catalog is intended for the NDT trade only.

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