PACSESS

PORTABLE DR SYSTEMS

Innovation and eficiency - our Digital Radiographic Testing systems

- Highest Image Quality
- Unmatched Cost-Efficient Solutions
- Ruggedized (IP67)
- Lightweight and Portable
- Valid for High Intensity Sources (X-Rays & Gammas)

PORTABLE DR SYSTEMS

HIGHLIGHTS

COST-EFFICIENCY

- Down to 75 µm pixel size
- 6.5 ln/mm spatial resolution
- High intensity sources: X-Rays up to 450Kv and all types Gamma sources

➡ HIGH SENSITIVITY
Substantial reduction of exposure times in comparison to traditional film technique.

VERSATILITY

- Multiple configurations and accessories available
  - Flight case (customized)
  - 50m (164ft) extension cord
  - Protection case
  - External batteries
  - WIFI Ranger
- WLAN/WIFI connectivity
  — up to 100m (328ft) range
- Hot-swap & external batteries
  — Autonomy up to 20 hours

RELIABILITY

- Dust and water resistant (IP67)
- Long lifetime guaranteed
- Drop test: max. 1 meter (3.3ft)
- Temperature Stability:
  20°C to 50°C (50F - 122F)
- Load Proof
  - One point (centre):
    150kg (330.7lbs)
  - Total surface:
    300kg (727.5lbs)

ACCESSORIES

FLIGHT CASE

50m (164ft) EXTENSION CORD

HIGH-END LAPTOP

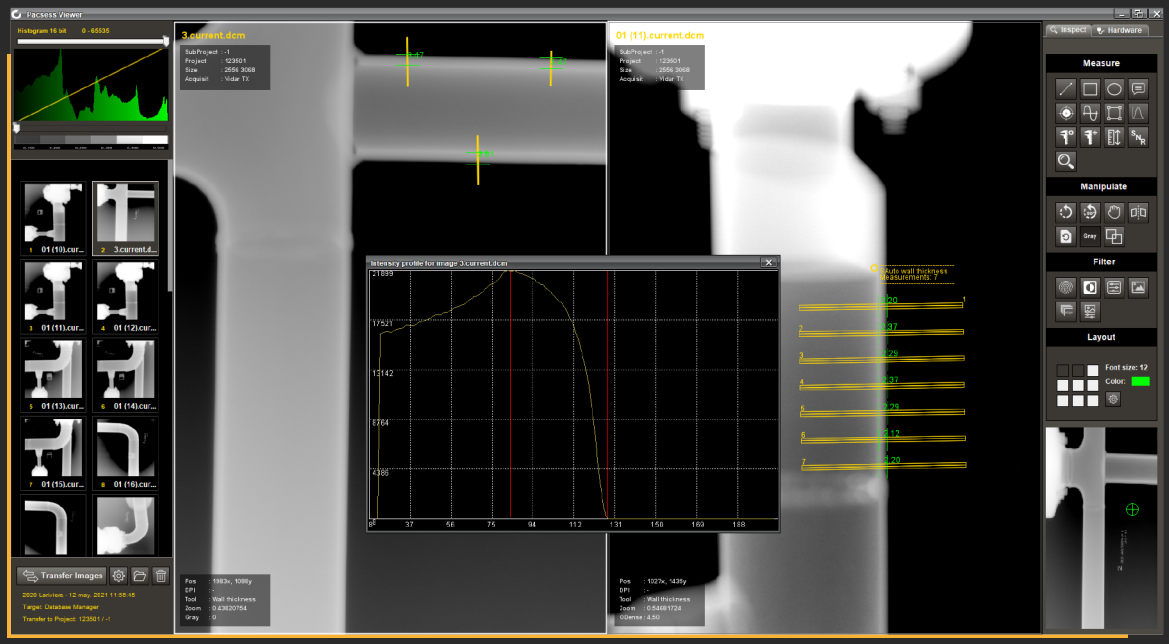
LIGHT TRANSPORT BOX

WIFI RANGER

INDUSTRIAL TABLET

PACSESS RT1 SOFTWARE

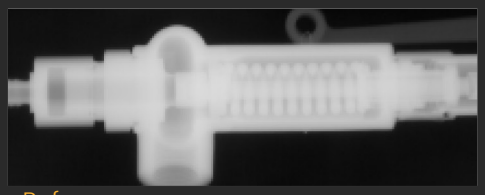
Once again, PACSESS NDT has come up with an impressive adaptation for DDA usage of our world-class proprietary software. While keeping the most intuitive and user-friendly interface, we have included cutting-edge image processing tools that will bring your quality inspection skills to the next level.



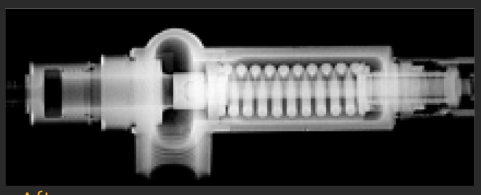
FEATURES

- **DATABASE MANAGER**
  - 100% DICONDE Compliant
  - Search function by key words
  - Import / Export (JPG, TIFF & DICONDE)
  - Report Management System integrated
  - Auto-feed tool from image measurements
  - Local server
- **ADVANCED IMAGE PROCESSING TOOLS**
  - Intensity adjustment
  - Local histogram optimization
  - Contrast adjustment based on LUT
  - Inversion
  - Filters
    - · Reduction of noise / Sharpen
    - · Emboss
    - · Contrast enhancement
- **MEASUREMENTS AND ANNOTATIONS**
  - Dynamic wall thickness intensity profiles
  - Detect & Measure Signal-to-Noise ratio
  - Statistic values & Histograms
- **SPATIAL TRANSFORMATIONS**
  - Smart zooming (automatic/manual)
  - Loupe
  - Rotation / Flipping
- **PRESETS**
  - Brightness / Contrast
  - Filter functions

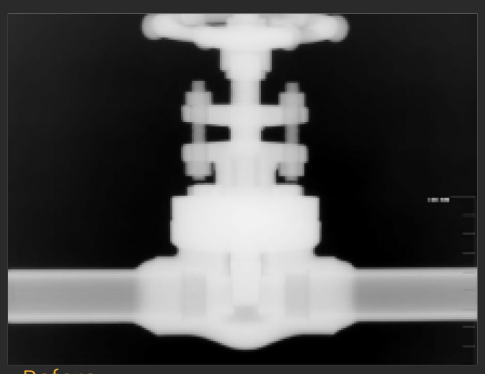
ALL FUTURE UPDATES FREE OF CHARGE



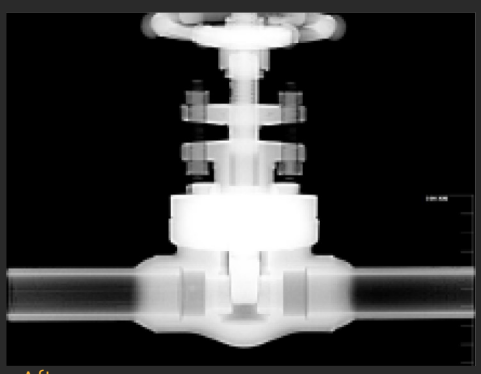
Before



After



Before



After

TECHNICAL SPECIFICATIONS

MODEL NAME	OPTIMA 1723	MAXIMA 2329	MAXIMA 3543
PRODUCT APPEARANCE			
TECHNOLOGY	IGZO TFT		a-Si TFT
SCINTILLATOR	CsI / Gadox		CsI / Gadox (DRZ-Fine)
PIXEL PITCH	75 µm	75 µm	100 µm
PIXELS	2304 x 3072 pixels	3072 x 3840 pixels	3534 x 4302 pixels
IMAGE SIZE	17.3cm x 23cm (6.80in x 9.07in)	23cm x 29cm (9.05in x 11.4in)	35.3cm x 43cm (13.9in x 16.9in)
GRAYSCALE	16 bits		
ENERGY RANGE	40 - 450 kVp		
MAX. EXPOSURE TIME	300 sec		
X-RAY GENERATOR INTERFACE	Automatic Exposure Detection / External Line trigger		
DATA INTERFACE	Wired: Gigabit Ethernet (1000BASE-T) via PoE (Power over Ethernet) Wireless: IEEE802.11n/ac (2.4GHz, 5GHz)		
IMAGE ACQUISITION TIME	Wired: 1.5 sec / Wireless: 3 sec		
DIMENSIONS	20.8cm x 25.6cm x 2.7cm (8.19in x 10.08in x 1.06in)	32.2cm x 35.5cm x 1.7cm (12.67in x 13.97in x 0.67in)	40cm x 47cm x 1.7cm 15.75in x 18.5in x 0.67in)
WEIGHT	2.0kg (4.4 lbs)	2.7kg (5.95 lbs)	4.2 kg (9.26 lbs)
OPERATING ENVIRONMENT	-20°C to +50°C (-4F to 122F)		
OPERATING TIME	8 hours in operation, 9 hours in standby		
POWER	DC24V, max. 0.8A	DC24V, max. 0.8A	DC24V, max. 1A

APPLICATIONS

Our solutions are designed to provide you the best experience in all NDT fields.

SHIPYARDS

OIL & GAS

CASTING

AEROSPACE

CIVIL CONSTRUCTION

NUCLEAR

ART & CULTURAL HERITAGE

DEFENSE

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