CarestreamNDT

INDUSTREX HPX-PRO
Digital System

The INDUSTREX HPX-PRO Digital System is built for extreme portability into rugged imaging environments and improved productivity in field imaging applications. This CR system is a lightweight, portable imaging solution that is quick to deploy and rapidly produces high-quality images.

HPX-PRO Portable Digital CR System

The HPX-PRO CR System is built for extreme portability in rugged environments and improved productivity in the field. It's a lightweight CR imaging solution that is quick to deploy and produce high-quality images utilizing a single-pass scan/erase protocol.

With INDUSTREX Digital Viewing Software, the HPX-PRO is designed to get you set-up and imaging fast, with batch mode capability to keep up-to-speed with extreme process conditions like pipeline imaging. From hardware to software, to deep in the field and instant image sharing, the HPX-PRO is a complete system, designed to keep you moving down the line.

Built from the Ground Up Specifically for NDT in Mobile Environments

Flexible Imaging for Speed or Quality

Pixel Pitch: 25 µm, 50 µm and 100 µm operation
Spatial Resolution: 60 µm (8.33 lp/mm)

A Complete Workflow Improvement Tool from Start-to-Finish

The HPX-PRO handles a wide range of imaging extremes and is designed to set up fast, operate simply, and deliver the quick results – from the first shot to the final report. At the end of the day upload digital images and reports to the network or e-mail to customers.

Rapid Job Setup

With INDUSTREX Software setup with customer parameters, automated electronic FLASH creation on each image and automatic incremental shot numbering – getting ready to shoot is fast and easy.

Shot Time Improvement

Shoot faster, radiate less and keep your source longer. In certain circumstances, it's even possible to reduce exposure time.

Image, Analyze & Approve in Seconds

Batch Mode was added to our INDUSTREX Software so the HPX-PRO can keep moving down the line fast. The HPX-PRO scans and erases in one pass, eliminating wait-time for the plate to come back out during erase.

The HPX-PRO is designed to process a weld a minute, based on 5 ¾ in (15 cm) imaging plate length. Including scanning, erasing and image display on the monitor with a pre-set EDGE filter already applied. Skilled technicians can even approve a shot during scan preview.

Powerful INDUSTREX Digital Viewing Software

The HPX-PRO runs on INDUSTREX Digital Viewing Software, an all-in-one software enabling customers to standardize on one software platform both CR and DR inspection.

The software platform was developed for ease-of-use to reduce operator training and equipment onboarding time, thus reducing risk of error and increasing profitability. Further operating cost reductions are realized with the suite of image process automation tools to streamline the inspection process and increase production rates.

The combination of high-resolution defect detection, a heavy-duty design, reliable service and powerful image processing software gives unsurpassed value to every customer.

Simple User Controls
Includes easy-to-read System Status, Power, and Ethernet Connectivity LED.

Detachable Handle
To minimize space requirement in mobile film labs.

LED scale for Battery Power.

Filter/Air Vents and Positive Air Flow
To keep out dust and dirt.

Fold-up Feed Doors with Extensions
Both the entry and exit doors fold up to seal off the unit from dirt and dust when in transport or not being used. Each door has an extension to support up to a 17" long plate.

Battery Holders
Includes a powered mount for use and storage mount for second battery, providing 4 hours of standby time and 45 minutes imaging time per battery.

Detachable Carry Strap.

Ethernet and Power
Simply connect an Ethernet and power cable and you are ready to work.

Optional Mounting Bracket to secure the unit during transportation.

Flex HR-PRO High-Resolution Digital Imaging Plates

This specialized line of laminated high-resolution (HR) imaging plates are designed for outdoor industrial field radiography, to provide a longer usable life and improved overall ROI for HPX-PRO users. This plate can be used in either gamma or X-ray radiography applications and has the same image quality as our HR plate. Available in a full range of sizes specifically for the HPX-PRO.

SPECIFICATIONS

Feed Mechanism	Internal horizontal roller pairs
Connectivity	Ethernet connection standard (1 Gb/s)
Network	DICONDE compliant
Air Flow	Filtered, positive air flow in scanner for temperature control
Scanning Optics	Located above imaging area eliminating gravity driven particulates
Erase	LED erase lamps for high efficiency and low power consumption
Maintenance	User serviceable wear parts
Calibration	Fully factory calibrated and ready to operate
Pixel Pitch	25 µm, 50 µm and 100 µm
Plate Sizes	Maximum 6 in (15 cm) width x maximum 60 in (152 cm) length
Software	INDUSTREX (Turnkey ready, Windows 10 64 bit)
Filter	Carestream's EDGE image filter offers users a choice of display filters modifying the original image data. Image can be sharpened or enhanced with grayscale equalization.
Monitor	Laptop, 3MP (color) or 5MP (monochrome)
Chassis	Rigid aluminum construction with vibration damping feet
Power	100-240 VAC (Automatic Level Sensing)
Battery	24 volt standard tool battery
Battery Life	4 hours standby / 45 minutes active scanning and erasing per battery
Warranty	1 year parts and labor
Installation	Ships complete and can be quickly and easily installed on-site by customer
Dimensions	16 in (40.6 cm) x 13 in (33 cm) x 12 in (30.5 cm)
Weight	35 lb (16 kg)

BAM Design-type tested
Certification N°: BAM/ZBF/005/20

BAM Design-type tested
Certification N°: BAM/ZBF/009/15

The HPX-PRO Digital System has been certified with our HR-PRO and XL Blue imaging plates, certificates BAM/ZBF/005/20 and BAM/ZBF/009/15 respectively. Our system meets requirements according to EN 14784-1:2005, ISO 16371-1:2011 and ASTM E2446-16.

Carestream manufactures these products in a certified Quality Management System which complies with the requirements of ISO 9001:2015

**CARESTREAM NDT AND YOU.
WE'RE BETTER TOGETHER.**

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