

# **Kodak** Industrex HPX-1 Digital System For Non-Destructive Testing

THE ANSWER TO DIGITAL NDT.



**THE FUTURE OF NDT HAS ARRIVED. THE KODAK INDUSTREX HPX-1 COMPUTED RADIOGRAPHY SYSTEM IS HERE: A NEW LEADING SYSTEM BUILT FROM THE GROUND UP TO MEET THE VARIED AND SPECIFIC NEEDS OF NON-DESTRUCTIVE TESTING.**

The new HPX-1 CR system is the answer you've been waiting for—with a feature-benefit set that takes CR technology to a new level of performance. Only the HPX-1 has the capability to handle long plates, short plates, rigid cassettes and flexible plates—all in a single system. With industry leading image resolution: the HPX-1 delivers weld-quality images, consistently and dependably, as well as full dynamic range and sensitivity for all other applications.

The system comes fully pre-configured and ready to operate after only a few simple connections. The powerful, easy-to-learn software and intuitive interface minimizes training time; CR operators will be up and running fast. A simplified work flow improves productivity with enhanced annotation capabilities, automatic file naming and a double file save capability (both Industrex and DICOM formats). The HPX-1 is also transportable, durable, and designed to perform in the harshest of NDT environments.

The KODAK Industrex HPX-1 has single-handedly upgraded the reliability of digital capabilities in the non-destructive testing marketplace. Multi-plate handling boosts output productivity. A positive pressure filtered air system ensures clean images in the laboratory and remote operations. The shock and vibration resistant design for imaging in harsh environments brings new confidence in using digital imaging in the field. Every aspect of the KODAK INDUSTREX HPX-1 Computed Radiography system has been designed with industrial applications in mind, from the ergonomically engineered handles, to the flat straight feed path for the plates.



**DESIGNED FOR NDT ENVIRONMENTS**

- **Positive pressure in cabinet**
  - Multiple fans and filters maintain internal air pressure to keep dust, debris and unfiltered air out of the system
- **Integrated brushes and seals**
  - Keeps environmental light and dirt out
- **Exceptional durability**
  - Withstood rigorous drop testing (100 g impact force)
  - Withstood variable amplitude and frequency vibration test
- **Vibration absorbent rubber feet**
  - Absorbs ambient vibrations in the field
- **Handles**
  - Ergonomically designed for easy transport
- **Dust cover**
  - Extra protection for storage in industrial environments
- **Optional rugged travel cases**
  - Reinforced locking wheels
  - Base tie downs to secure the load
  - System can be used right in the case
  - Removable accessory plate and cassettes storage box
- **User serviceability**
  - Routine service can be performed by user



## VERSATILITY FOR YOUR NDT APPLICATIONS

- **Widest range of plate sizes in the industry**
  - 70 mm – 14-inch width
  - Handles the broadest range of imaging plates in the industry
- **Wide dynamic range**
  - Provides maximum material coverage in a single shot
  - Reduces multi-film shots to a single CR exposure
- **Subdued or room light capabilities**
  - Use flex cassettes and plates in subdued light loading
  - Use rigid cassettes in normal room light
- **Halogen "Smart" erase**
  - Fast and effective high intensity erase based upon maximum exposure received
- **Meets product safety standards**
  - Meets demanding ITE standards
  - Meets the standards of commercial and government user
  - Meets ASTM and EN CR System standards
  - Class 1 Laser Product per IEC60825-1

## SOFTWARE THAT MAKES YOUR JOB EASIER

- **Superior image viewing tools**
  - Image viewing tools allow displayed images to be enhanced digitally to aid in interpretation *without altering the Original Image Data*
  - Customizable multilayered image display filter
- **Easy to use analysis tools**
  - Editable annotations and measurements
  - Text boxes expand easily to accommodate longer notations
- **Simple navigation through traditional Windows™ style menus**
  - Speeds workflow and reduces training time
- **Customizable PDF reporting**
  - Include your company's logo, analysis text, original image, analyzed image and selectable metadata fields
- **Local metadata store allows for keyword searching**
  - Saves time finding stored images



# KODAK INDUSTREX HPX-1 Digital System For Non-Destructive Testing

**THE HPX-1 WILL HELP SPEED YOUR WORKFLOW AND INCREASE YOUR PRODUCTIVITY FROM DAY ONE. WITH TURNKEY INSTALLATION, YOU SIMPLY TAKE IT OUT OF THE BOX AND PLUG IT IN. THE HPX-1 CONNECTS USING A HIGH-SPEED ETHERNET CABLE. MULTIPLE PLATE FEED LETS YOU HANDLE UP TO FOUR NARROW PLATES AT ONCE. HIGH INTENSITY ERASE MINIMIZES ERASE TIME WHILE MAXIMIZING THROUGHPUT. LONG PLATES, UP TO 60 INCHES, CAN BE SCANNED AND ERASED IN ONE OPERATION.**

**THIS RELIABLE SYSTEM IS BUILT FOR MAXIMUM UPTIME, BUT WHEN IT DOES NEED SIMPLE MAINTENANCE, THERE ARE MANY TASKS YOU CAN NOW HANDLE YOURSELF WITHOUT WAITING FOR A TECHNICIAN OR SENDING THE SYSTEM IN FOR SERVICE.**

## Count on Our Technical Expertise

Installation takes minutes and Carestream Health's expert NDT staff will train your team and get you going, then support you with our world-class technical assistance. Our NDT Solutions Group has been supporting NDT customers for over 50 years with specialized KODAK INDUSTREX products and technical support. We have the experience you can trust to get the results you need. And we stand behind every product we design, manufacture and sell. Carestream Health, Inc. provides what you need to get your job done quickly, accurately, and efficiently.

## For More Information

To learn more about the KODAK INDUSTREX HPX-1 System, contact a Carestream Health, Inc. representative at **877-865-6325, ext. 714**. Or, visit [ndt.carestreamhealth.com](http://ndt.carestreamhealth.com)

## PRODUCT SPECIFICATIONS

### Rigid Cassette and Phosphor Plate Reader with Integrated Eraser

- Use plates in subdued light loading or use rigid cassettes in normal room light

### Dimensions

- Height: 17.5 in. (44.5 cm)
- Width: 23 in. (58.4 cm)
- Depth: 26 in. (66 cm) with feed tray removed, 35 in. (88.9 cm) with tray in operating position
- Weight: 120 lb (54.4 kg) (or less)

### Phosphor Plates Supported

- 70 mm to 14-inch (35 cm) width, 8-inch (20 cm) to 60-inch (152 cm) length
- Multiple plate simultaneous feed up to 14-inch (35 cm) width

### Rigid Cassettes Supported

- 10-inch (25.4 cm) to 14-inch (35 cm) width, 8-inch (20 cm) to 17-inch (43 cm) length

### Scan Rate

- 35 to 135 seconds per 14 x 17 in. / 35 x 43 cm plate, depending on resolution setting

### Erase Rate, Automatic High Intensity

- 0.2 - 2.0 in. (0.5 - 5 cm) per second

### Power

- 100-240 V ~ 50/60 Hz, 12.5 - 8 A - automatic sensing

### Also Included

- Desktop computer
- High resolution color LCD monitor
- Keyboard and mouse
- KODAK INDUSTREX Digital Viewing Software

### Other Available Options

- Rugged travel case
- High resolution monochrome LCD monitor
- Laptop View Station with high resolution LCD
- KODAK INDUSTREX Flex GP Digital Imaging Plate SO-170
- KODAK INDUSTREX Flex HR Digital Imaging Plate 2174

**Kodak**

Licensed Product

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