

# Kodak Industrex LS85

## High-Performance Digitizer System

### FOR DIGITIZING YOUR FILM RECORDS.



### Carestream Health's Highest Resolution Laser Film Digitizer

Is it the original or the copy? Image quality from the KODAK INDUSTREX LS85 High-Performance Digitizer System is that good. Whether you're archiving film in space-saving digital form or converting old records to compare with new computed radiography (CR) images, the LS85 Digitizer System can give you results remarkably close to the original.

The laser beam efficiently penetrates high optical densities for excellent image quality. The laser discretely illuminates each point on the film, with over 90% of the transmitted light collected and measured. As a result, the resolution and densities in the digital image are representative of the original image, allowing you to visualize subtle, low-contrast abnormalities. A patented logarithmic amplifier, unique to KODAK INDUSTREX Film Digitizers, evenly distributes digital signals to an accuracy of 0.001 optical density. No other digitizer has this high degree of density accuracy.

The KODAK INDUSTREX LS85 is Carestream Health's highest resolution film digitizer. This tabletop model is self-calibrating, unaffected by ambient light, and requires almost no maintenance at all. Best of all, this system delivers the performance and reliability that you expect from KODAK INDUSTREX Products.

#### Work More Efficiently

- Digitize up to 120 films-per-hour at 2048 pixel-per-line
- Just insert the film – automatic film handling does the rest
- Work under room lights – unaffected by ambient light
- No need to calibrate; the system automatically self-calibrates
- Place almost anywhere – tabletop size lets you put the unit where it's needed

#### Get Better Results

- Highest degree of density accuracy of any laser film digitizer
- High-resolution digital image up to 350 pixels/inch
- Low-noise digital images even at the film's higher densities
- Density resolution that reveals subtle, low-contrast abnormalities
- Each pixel is assigned a digital value equal to 1000X OD (optical density at that point)

#### Work Smarter with NDT Image Visualization Software

- View different density ranges to see details in light or dark areas
- Enlarge areas of interest
- Measure lengths and angles with a few mouse clicks
- Annotate right on the image – then turn text overlay off or on
- Provide traceability with a proprietary software file storage structure; altered images are automatically tagged while the original images stay in the system unchanged
- Retrieve images in seconds
- Export the image to another file or format (.jpg, .gif, and more), send through the network, or post to the Web
- DICOM compliant

# KODAK INDUSTREX LS85 High-Performance Digitizer System

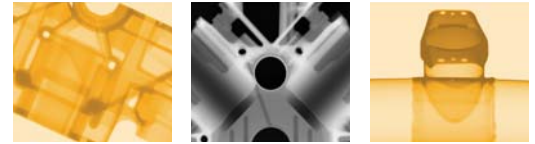
You can export your images to be viewed on any DICONDE compliant system, as KODAK INDUSTREX is fully compliant with ASTM E 2339, "Standard Practice for Digital Imaging and Communication in Nondestructive Evaluation (DICONDE)," ASTM International. A copy of our DICONDE Conformance Statement is available on request.

## Count on Our Technical Expertise

Installation and training takes less than one day. Carestream Health's NDT support staff will get you going and then support you with our world class technical assistance. Our NDT Solutions Group has been supporting NDT customers for over 50 years with specialized products and technical support. We have the experience you can trust to get the results you need. And we stand behind every product we sell. Carestream Health provides what you need to get your job done quickly and efficiently.

## For More Information

To learn more about the KODAK INDUSTREX LS85 High-Performance Digitizer System and other Carestream Health NDT products and solutions, contact a Carestream Health representative at 877-865-6325 ext 714 or visit [www.carestreamhealth.com/go/ndt](http://www.carestreamhealth.com/go/ndt).



## PRODUCT SPECIFICATIONS

### 12-Bit Imaging

Extended Dynamic Range

### Dimensions

- Height: 40 cm / 15.75 in. (without Sheet Film Feeder)
- Width: 51 cm / 20 in.
- Depth: 70 cm / 27.5 in.
- Weight: 41 kg / 90 lb

### Film Size

- Width: 35 cm / 14 in.

### Pixel Geometry

- Pixel Size: adjustable to 73  $\mu$ m
- Pixels/Inch: adjustable to 350 pixels-per-inch
- Limiting Resolution: 5.0 lp/mm max

### Scan Rate

- 18 to 88 seconds for 35 x 43 cm (14 x 17 in.), depending on resolution setting

### Optical Density

- Least Count: 0.001 OD
- Linear Range: 0.03 to 3.85 OD

### Illumination System

- Type: He-Ne Laser
- Scan: Galvanometer

### Collection System

- Integrating cylinder

### Interface

- PC SCSI
- 12 or 8 bits/pixel

### Power

- 100 - 120 VAC, 2 Amp, 50/60 Hz
- 220 - 240 VAC, 1.0 Amp, 50/60 Hz

### Regulatory

- UL, cUL, TUV, CE Mark
- 510K Clearance

### Other Available Options

- 750 GB RAID Storage System
- Single-Sheet Feeder

### Also Included

- Desktop computer
- Monitor
- Keyboard
- Mouse
- KODAK INDUSTREX Digital Viewing Software

**Kodak**

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