

# Kodak Industrex M100

## Film

### WHEN CLARITY IS CRITICAL.



KODAK INDUSTREX M100 Film gives you outstanding sharpness—in fact, we've set the standard in this industry. The film's excellent sensitivity and low speed make it the perfect choice for critical inspections of a wide range of materials. You'll have confidence that you'll find what you're looking for—whether it's a pipe weld, an aerospace engine, or a sculpture that you're imaging.

### The Basics

M100 Film is an ASTM E 1815 Class I film that offers very fine grain with extremely high contrast and definition. And it's versatile—you can use it with direct x-rays or with lead foil screens.

### Recommended Uses

KODAK INDUSTREX M100 Film is available in a wide range of sizes and packaging formats, and it's designed for applications such as:

- Aircraft inspection
- Aero-engines
- Assemblies
- Electrical components
- Castings
- Composites, fibre-reinforced
- Forensics
- Munitions, bomb disposal
- Nuclear applications
- Paintings, sculptures
- Pipelines
- Welded fabrication

### Get the T-Grain Emulsion Advantages

KODAK INDUSTREX Films with T-GRAIN Emulsion offer a brand new, state-of-the-art technology that's specifically designed for industrial radiographic testing applications. What does that mean for you?

### Outstanding Image Quality

With a cool, clean image tone and low noise, you get a sharp, clear image every time.

### Convenient Processing Flexibility

The films work well in standard process cycles—but they're just as effective in longer or shorter process cycles.

### Superb Durability

The films are static resistant, more heat resistant than conventional systems, incredibly sturdy, and you'll get fewer artifacts from handling.

# KODAK INDUSTREX M100 Film

## Processing Options

M100 Film can be processed manually or automatically in a range of processing cycles.

Notice: Observe precautionary information on product labels and Material Safety Data Sheets. Develop with rack and tank, using properly replenished solutions.

## Automatic Processing

See Carestream Health publication TI-2621, *Processing KODAK INDUSTREX Films*, for additional information on automatic processing.

## Film Characteristics (Sensitometric)

ISO/EN exposure conditions: 200/220 kV, lead screens; KODAK INDUSTREX Single Part Developer Replenisher and KODAK INDUSTREX LO Fixer and Replenisher.

KODAK INDUSTREX Processors/Cycles	Base + Fog	Contrast <sup>1</sup>
M431C—8 min 79°F (26°C)	0.19	5.4
M431C—5 min 86°F (30°C)	0.19	5.25

<sup>1</sup>Contrast calculated between net densities of 1.5 and 3.5.

## Manual Processing

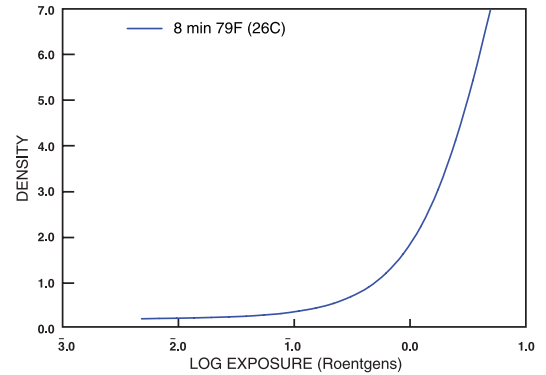
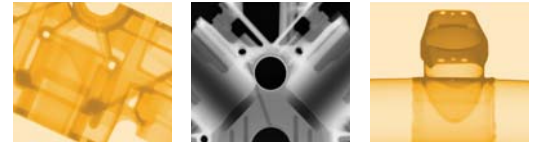
See Carestream Health publication TI-2643, *Guide to Manual Processing of KODAK INDUSTREX Films*, for additional information on manual processing.

Develop with rack and tank, using properly replenished solutions.

Developer	Temperature	Recommended Time (Minutes)	Agitation
KODAK INDUSTREX Single Part Developer	68°F (20°C)	5	Intermittent
Replenisher	72°F (22°C)	4	(5 seconds, every 30 seconds)
	75°F (24°C)	3	
	79°F (26°C)	2	

## For More Information

To learn more about KODAK INDUSTREX M100 Film 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).



### Exposure:

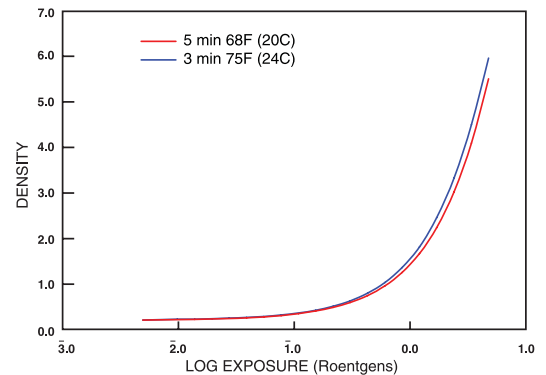
220 kV Direct X-rays with lead screens

### Processing:

KODAK INDUSTREX Processor  
KODAK INDUSTREX Chemicals

### Densitometry:

Diffuse Visual



### Exposure:

220 kV Direct X-rays with lead screens

### Processing:

Manual; KODAK INDUSTREX Single Part Developer Replenisher

### Densitometry:

Diffuse Visual

**Kodak**

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