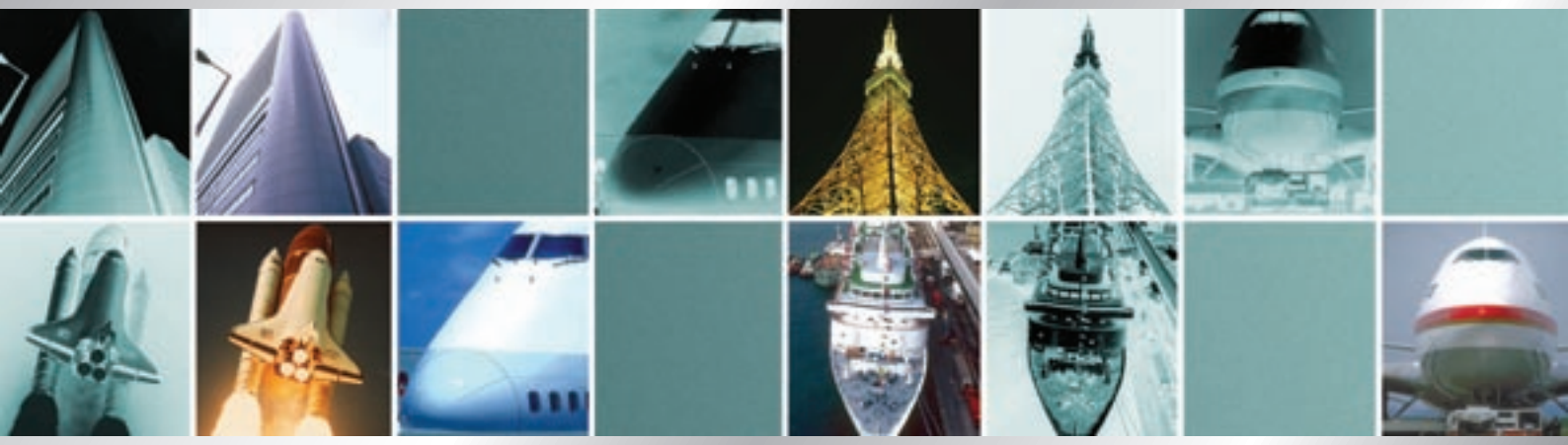
IX



Industrial X-Ray Film

FUJIFILM
I&I – Imaging & Information

Fuji 5-minute processable IX films are offered in eight types with a variety of packaging to meet any NDT need.

Sheet and Sheet-Pack Film

Three types including interleaved Non-interleaved (NIF), Envelopak (EPak) and Envelopak + Pb (EPPB) are available in most conventional sizes. Blue tint and sharper images make these products ideal for the most critical radiographic applications.

Envelopak Sheet Film

Envelopak is a complete daylight package containing precut sheet film. Triple-layered packaging is water-proof and oil resistant, permitting ease of use under most exposure/environmental conditions. Envelopak is available with or without lead screens.

Roll and Roll-Pack Film

Roll film is precut in 70mm, 10", 14" and 17" standard widths. Blue tint and sharper images make these films ideal for the most critical radiographic applications. Supplied in a convenient dispenser box, Roll-Pack is available without or with lead screens (Envelopak Roll and Envelopak + Pb Roll). The sealed and flushed edge is cut at any desired length for subjects requiring special film sizes. Darkroom loading Roll Film is also available.

FUJIFILM
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For Europe excluding U.K.: FUJI PHOTO FILM (EUROPE) GMBH | Heesenstr. 31 | 40549 Düsseldorf
Tel: 0211/50 89-515 | Fax: 0211/50 89-240 | E-Mail: x-ray@fujifilm.de | www.fujifilm.de

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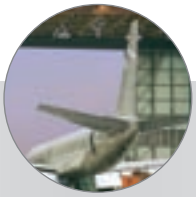
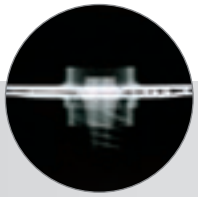
Fuji Industrial

Fuji industrial radiographic films feature revolutionary new film technology. The combination of the latest in emulsion making science and computerized manufacturing processes assure consistent batch to batch performance, optimum image quality and compatibility with all NDT chemistries and current brand tank / automatic processing conditions. The Fuji family of films incorporate unique speed, and grain technologies thus permitting their use over a wide range of applications with consistent high quality regardless of the material examined and the source of radiation employed.

ADVANTAGES OF FUJI IX FILM

1 Constant Performance

For example, Fuji batch to batch consistency is the best in the industry. For this reason, exposure conditions don't vary from one part to the next, thereby increasing productivity.

2 Less density uneveness

Fuji emulsion coating is so even and uniform that it avoids most of the density uneveness that sometimes occurs in automatic processing with other products.

3 High Image Quality

Fuji IX films exhibit high defect recognition due to their fine granularity.

Film Type / ID Notch	Applications
IX 20	• Micro-electronic parts • Neutron radiography • Critical investment castings • Ultra-fine ceramic parts • Graphite composit parts
IX 25	• Micro-electronic parts • Fine ceramic parts • Castings-low to medium atomic number metals • Applications requiring the highest of contrast • High-output supervoltage X-ray exposure
IX 50	• Electronic parts • Graphite epoxy composites • High curie isotope exposures • Castings-low to medium atomic number Metals
IX 80	• Welds-low to medium atomic number metals • Castings-low to medium atomic number metals • Aircraft construction and maintenance • Graphite epoxy composites
IX 100	• Welds-medium to higher atomic number metals • Castings-medium to higher atomic number metals • Aircraft construction and maintenance • Ordnance inspection
IX 150	• Heavy, multi-thick steel parts • Steel reinforced concrete • Low curie isotope and low-output • X-ray exposures
IX 29	• Castings and other multi-thickness subjects
IX 59	• Castings and other multi-thickness

Radiographic Films for consistent high quality non-destructive inspection

Features	Relative Speed				Film system class		Sheet: Non interleaved
	100KV Direct	200KV with lead	Ir-192 with lead	Co-60 with lead	ASTM E1815-96	ISO 11699-1	Available packaging type
A single emulsion, ultra-fine grain, medium high contrast film suitable for critical imaging quality applications. Its single emulsion features minimizes parallax and permits extremely sharp magnified viewing. IX20 is generally used in direct exposure techniques or with lead screens.	10	9	8	5	-	-	NIF
Fuji's finest grain, high contrast ASTM special film having maximum sharpness and discrimination characteristics. It is suitable for new materials, such as carbon fiber reinforced plastics, ceramic products, and micro electronic parts. IX25 is generally used in direct exposure techniques or with lead screens. IX25 is recommended for automated processing only.	20	17	15	10	Special	T1	NIF EPak EPPB
An ultra-fine grain, high contrast ASTM Class I film having excellent sharpness and high discrimination characteristics. It is suitable for use with any low atomic number material where fine image detail is imperative. Its ultra-fine grain makes it useful in high energy, low subject contrast applications where high curie isotopes or high output X-ray machines permit its use. Wide exposure latitude has been demonstrated in high subject contrast applications. IX50 is generally used in direct exposure techniques or with lead screens.	35	30	30	30	I	T2	NIF EPak EPPB
An extremely fine grain, high contrast ASTM Class I film suitable for detection of minute defects. It is applicable to the inspection of low atomic number materials with low kilovoltage X-ray sources as well as inspection of higher atomic number materials with high kilovoltage X-ray or gamma ray sources. Wide exposure latitude has been demonstrated in high subject contrast applications. IX80 is generally used in direct exposure techniques or with lead screens.	55	55	55	55	I	T2	NIF EpaK EPPB
A very fine grain, high contrast ASTM Class II film suitable for the inspection of light metals with low activity radiation sources and for inspection of thick, higher density specimens with high kilovoltage X-ray or gamma ray sources. Wide exposure latitude has been demonstrated in high contrast subject applications. Although IX100 is generally used in direct exposure techniques or with lead screens, it is suitable for use with fluorescent or fluorometallic screens.	100	100	100	100	II	T3	NIF EPak EPPB
A high speed, fine grain, high contrast ASTM Class III film suitable for inspection of a large variety of specimens with low-to-high kilovoltage X-ray and gamma ray sources. It is particularly useful when gamma ray sources of high activity are unavailable or when very thick specimens are to be inspected. It is also useful in X-ray diffraction work. IX150 is used in direct exposure techniques or with lead screens.	200	200	170	170	III	T4	NIF EPak EPPB
An ultra-fine grain, medium-high contrast ASTM Class W-A film suitable to inspect wide ranged thickness subjects such as precision cast parts with X-ray or gamma ray sources. IX29 can be used in direct exposure techniques or with lead screens.	22	22	22	22	W-A	-	NIF EPak EPPB
An extremely fine grain, medium contrast ASTM Class W-B film suitable to inspect multi-thick, low-atomic number metal, and steel cast parts. IX59 can be used in direct exposure techniques or with lead screens.	45	45	45	45	W-B	-	NIF EPak