

New Improved XD FAQs

Q: How is XD different from IX film?

A: XD is a lower silver content, cost effective X-ray film specifically geared towards the oil and gas market.

Q: Does Improved XD meet industry standards and film classifications?

A: Yes, XD is compatible with ISO and ASTM film classes

FUJIFILM: IX50XD, IX80XD, IX100XD

Film System Classification according to EN584-1, ISO11699-1, ASTM E1815, JIS K7627.

Film Type	EN584-1	ISO11699-1	ASTM E1815	JIS K7627
IX50XD	C3	C3	I	T2
IX80XD	C4	C4	I	T2
IX100XD	C5	C5	II	T3

Processing condition: Automatic Processing in Developer with SUPERDOL I immersion time 120sec. at 23° C.

ISO9001 Certification

Production facilities and QC management system certified under ISO9001:2015.
Certificate Number: JMI-0059, Expiration Date: August 8, 2025, Issued by JQA.

Q: Does new XD meet ISO Image quality standards?

A: New Improved XD meets Class B as regulated by ISO17636-1:2019.

Q: What is the major improvement made to the new XD as compared to the previous XD?

A: New XD has better darkroom/safelight visibility for developing by sight.

Q: What are some of the other improvements made to the new XD?

A: New XD has better handling and durability characteristics, as well as improved resistance to static

Q: What are the recommended applications for Improved XD?

A: For oil and Gas NDT needs – castings and welds exposed with X-ray or gamma rays, suitable for automatic or hand processing.

Q: What are the available XD film speeds and formats?

A: XD is available in 50, 80, and 100 speeds, and in popular sheet and roll format and sizes

Q: What are the R-factors for the New Improved XD?

A: Fujifilm Improved XD R-factors

Source Ir-192					Source Co60				
Film Type	Density Desired				Film Type	Density Desired			
	2.0	2.5	3.0	3.5		2.0	2.5	3.0	3.5
IX50XD	0.9	1.2	1.5	1.9	IX50XD	6.5	8.5	10.6	12.9
IX80XD	0.7	0.9	1.1	1.3	IX80XD	4.6	6.1	7.6	9.4
IX100XD	0.4	0.5	0.6	0.7	IX100XD	2.5	3.2	4.0	4.9

Processing: Auto 23 degree Celsius 120 seconds. SUPERDOL I developer.

Above is the dose rate (R: Roentgen) required for the desired density.

Converted from radioactivity using the following relationship:

Ir-192: 1 Ci = 0.27 rhm

Co-60: 1 Ci = 1.35 rhm

✕rhm: Roentgen/hour / meter

Q: How does XD compare to the competition?

A: XD offers equivalent Image Quality, superior batch to batch consistency, enhanced processing latitude, and better performance with exhausted chemistry, all at a lower price.

Q: Are samples available?

A: Yes, sample packs of 10 (4.5 x17 in) sheets are available for all 3 speeds 50, 80, and 100.