

## XD Series Film Package

Various film packaging and sizes are available to provide practical solutions to respective testing conditions and components. Both dark room load films (interleaved and non-interleaved) and pre-packaged films that are suitable for daylight conditions are offered.

### Sheet Films



**NIF Sheet** 100 sheet films provided per box without interleaf paper.

**IF Sheet** 100 sheet films provided per box with interleaf paper between each film.

**EP Sheet** 50 vacuum packed sheet films provided per box. Each film is sealed in a special Envelopak holder that is impervious to water and other liquids.

**LP Sheet** 50 vacuum packed sheet films with lead sheet are provided per box. Each film is sealed in a special Envelopak holder that is impervious to water and other liquids.

### Roll Films



**NIF Roll** Standard rolled film separately packed in a box.

**EP Roll** Packed roll film is enclosed within Envelopak holder and can be cut to desired lengths.

**LP Roll** Packed roll film with lead sheet is enclosed within Envelopak holder and can be cut to desired lengths.

## XD Series Film Speed Line-up

FUJIFILM'S Speed line up matches popular film speeds used in major inspection projects.

Product	ISO Speed	ISO 11699-1	ASTM E1815	JIS
IX100XD	250	C5	II	T3
IX80XD	160	C4	I	T2
IX50XD	125	C3	I	T2



# Industrial X-ray Film NEW XD Series

New industrial x-ray film developed by FUJIFILM's leading technology brings efficiency and stability to your every day inspection needs.



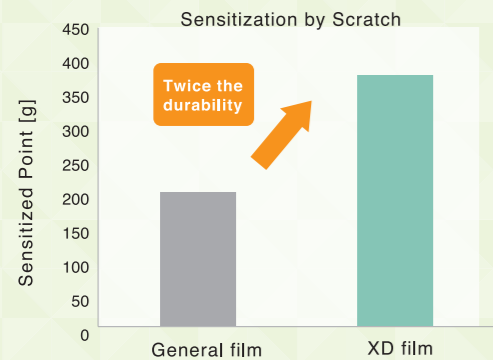
# FUJIFILM'S NEW INNOVATIVE INDUSTRIAL FILM SOLUTION FOR NDT

XD film provides excellent image quality coupled with high product stability for NDT radiographic inspections in all industry segments.

## 1 Film Preparation

### High Film Durability

Newly developed surface characteristics of the XD film series greatly improve susceptibility to film scratching and handling artifacts compared to general x-ray films.



#### Testing method

Apply load of 200~400g to film surface using a needle with a diameter of 3mm. Expose and develop the film to achieve density 2.0, and measure the minimum load value at which sensitization occurs.

#### Testing Condition

-Exposure: X-ray 200kV  
-Processing: Manual; 20°C 5minutes

Utility for  
all of your  
inspections

## 2 Exposure

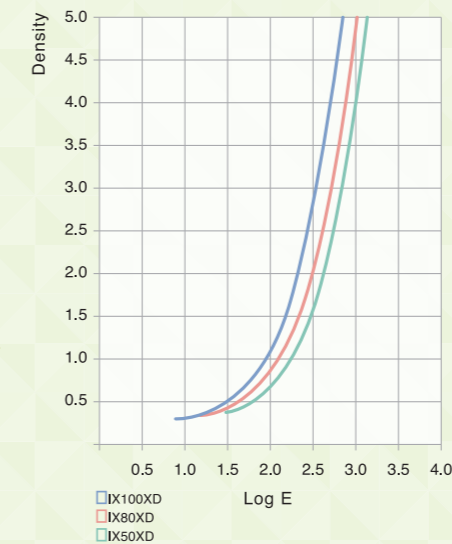
### High Film Speed

XD film speeds are comparable to other industrial films within the same classification category providing users consistent speed/density without drastic calculation changes. XD emulsion technology represents FUJIFILM'S best speed performance to date. Its batch to batch speed consistency is unparalleled compared to other films.

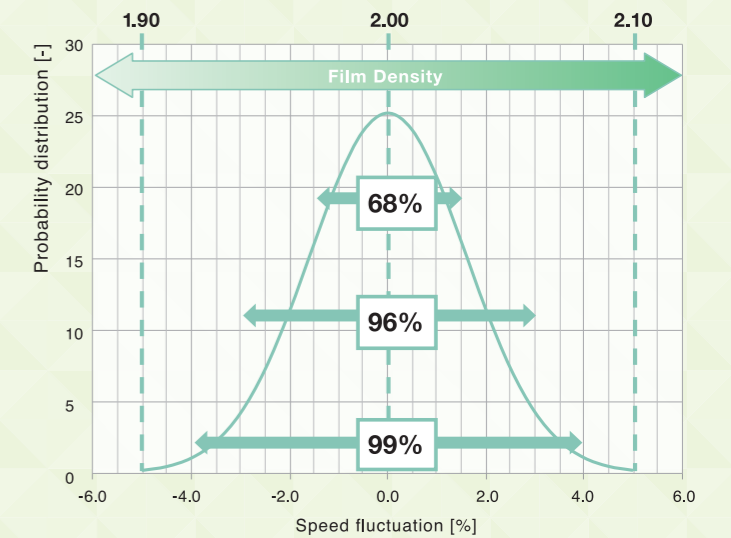


#### Characteristic Curve

Exposure: X-ray 200kV  
Screen: Pb-screens front and back  
Filter: Steel 9mm  
Processing: Manual 20°C 5minutes  
Developer: FUJI HIRENDOL I



#### Batch to Batch Speed Consistency



## 4 Image Check

### Outstanding Image Quality

XD emulsion advancements and special grain technology provide excellent image quality with pleasing color gradient, which give less eye fatigue for higher production and easier defect recognition during evaluation process.



## 3 Development

### Stable Density Achievement

Inspection personnel will experience very constant density performance even as chemicals become exhausted, yielding longer chemistry life than when developing other films.

#### Density Achievement against Exhausted Developer

