

DynamIx system workflow

Single software platform manages all of Radiographic Testing

- The DynamIx system workflow offers.
- Ability to manage both CR and DDA using a common platform
 - Review and interpret CR and DDA images at remote locations
 - Customization options to allow connection to ERP (Enterprise Resource Planning) to advance the workflow and data management

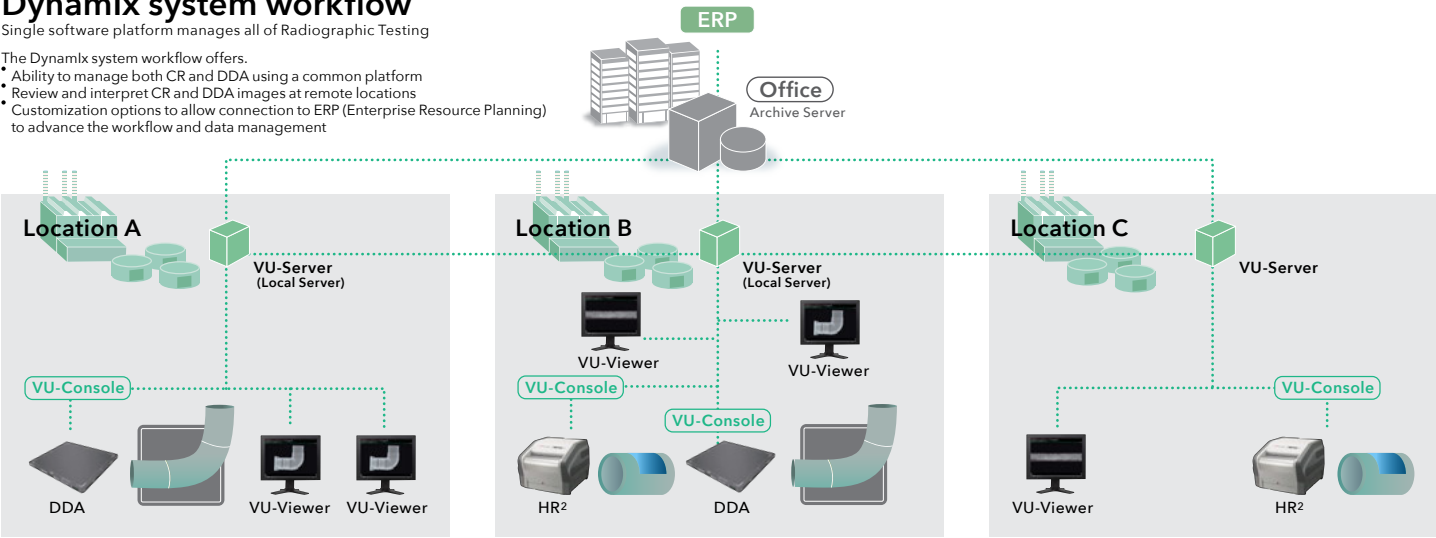


Image Viewer/Measurement Software



Software	DynamIx VU Console	
	Acquires images from the image reader and adjusts image quality.	
	DynamIx VU Viewer	
	Enables assessment of image quality and determination of defects by using various measurement tools.	
Client PC	DynamIx VU Server	
	Stores data and enables data management.	
	CPU	Intel® Core™ i7 CPU at 2.6 GHz or greater
	OS	Windows® 10 Pro 64bit
Server PC	CPU	Intel® Xeon® E3-1225 at 3.10 GHz or greater
	OS	Microsoft® Windows Server® 2012 R2
Display	Standard viewer: 21.2 inch 3M high resolution color LCD monitor	
	Recommend model	EIZO® Radiorace RX340
	Resolution	1536×2048 pixels
	High grade viewer: 21.3 inch 5M high resolution monochrome LCD monitor	
	Recommend model	EIZO® Radiorace GX540
	Resolution	2048×2560 pixels

Digital Detector Array



Detector	FXR Pad 3025	FXR Pad 4336
Panel Type	Amorphous silicon	Amorphous silicon
Scintillator	CsI	CsI
Active area	248.0mm × 297.6mm / 9.8in × 12in	350mm × 426mm / 14in × 17in
Pixel matrix	2508 × 3004	3524 × 4288
Pixel pitch	100µm	100µm
Frame rate	Wired connection: 3 fps (300 ms) Wireless connection: 0.5 fps (2000 ms)	Wired connection: 2 fps (500 ms) Wireless connection: 0.3 fps (3000 ms)
A/D Conversion	16bit	16bit
Wired I/F	GigE, trigger and power via docking connector	GigE, trigger and power via docking connector
Wireless I/F	802.11n Wi-Fi standard at 5 GHz	802.11n Wi-Fi standard at 5 GHz
Size	282mm × 332mm × 15.5mm 11in × 13in × 0.61in	384mm × 460mm × 15.5mm 15in × 18in × 0.61in
Weight	1.8kg / 3lb / 15oz	3.1kg / 6lb / 13oz
Humidity	20% to 80% operating	20% to 80% operating
IP Rating	IPX4 rated (protection against splashing water)	IPX4 rated (protection against splashing water)
Battery	Rechargeable battery, 11.1 V	Rechargeable battery, 11.1 V
Battery Charger	External two bay charger 100 - 240 V AC, 50/60 Hz	External two bay charger 100 - 240 V AC, 50/60 Hz
Interface and Power Unit	Optional IPU-2 external power supply 100 - 240 V AC 50/60 Hz GigE and X-ray I/F	Optional IPU-2 external power supply 100 - 240 V AC 50/60 Hz GigE and X-ray I/F
Panel Cover	Under development	Under development

<http://www.fujifilm.com/products/ndt>

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Portable and Easy to Use

Next generation of robust, lightweight wireless digital detectors designed for field RT applications

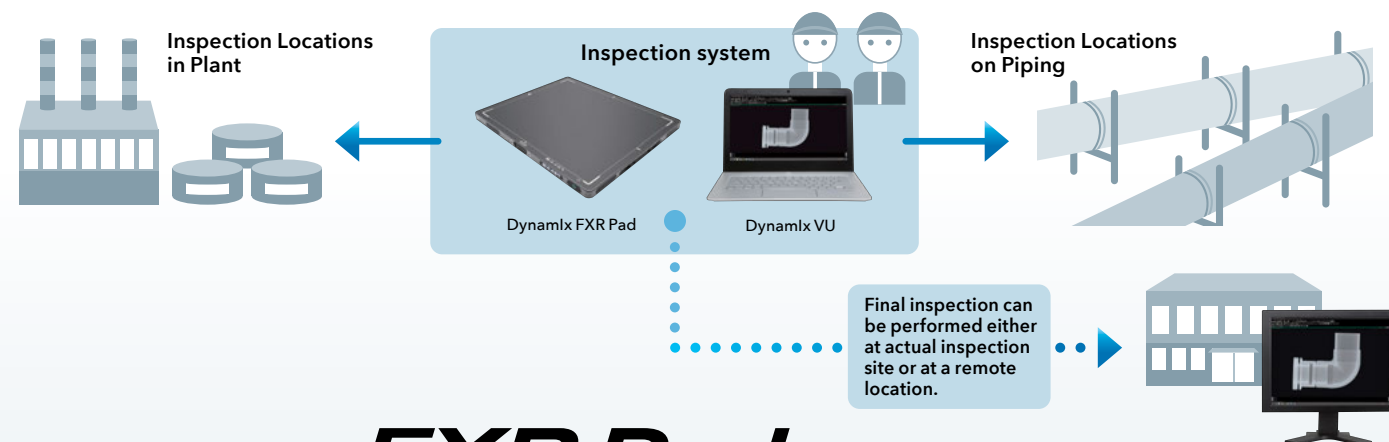


Digital Detector Array



FIELD RADIOGRAPHY INSPECTION

The Dynamix FXR Pad is designed to exceed demanding inspection requirements and provide real time imaging during field RT applications



DYNAMIX™ FXR Pad

Capable of real-time imaging at any location with light weight and water resistance features.



Weight
(3025)

1.8kg / 3lb / 15oz

(4336)

3.1kg / 6lb / 13oz

Portable and Easy to Use

The new Dynamix FXR Pad family of light weight detectors share exceptional high resolution imaging coupled with water resistant features. Inspection efficiency is improved even in harsh environments with immediate image evaluations.

Load Tolerance

150kg / 330lb / 5291oz

*Distributed evenly over the detector

100kg / 220lb / 3527oz

Pixel size
100μm

Water Resistance
IPX4

Connection
Wireless & Wired

The Dynamix VU software provides accurate inspection and measurements powered by FUJIFILM image processing and analysis technologies.

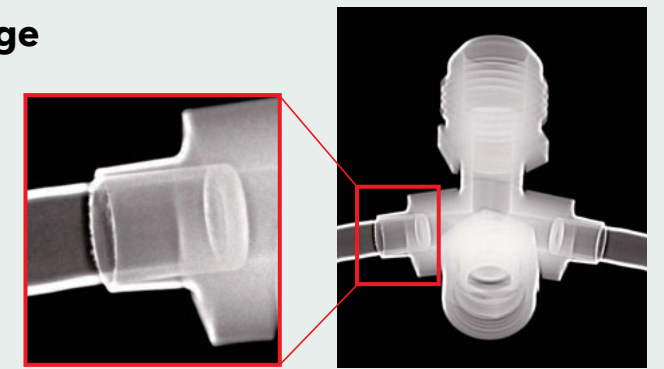
High Image Quality & Wide Dynamic Range

Unique image processing

Exposure Data Recognizer (EDR) optimizes image quality automatically based on preset geometry grids available. FUJIFILM Imaging Processing (FIP) filters can adjust various image parameters on the displayed image and can be incorporated into user menu that will apply the values at the end of the initial scan saving time and delivering an image ready for interpretation.

Wide dynamic range

Allows single exposures of parts with various thickness ranges.



VU Wall Thickness

Fujifilm "batch measurement" wall thickness tool enables fast and accurate measurements combining multiple sample points allowing quick assessment of the minimum wall thickness over a wide area of the image.

STEP 1

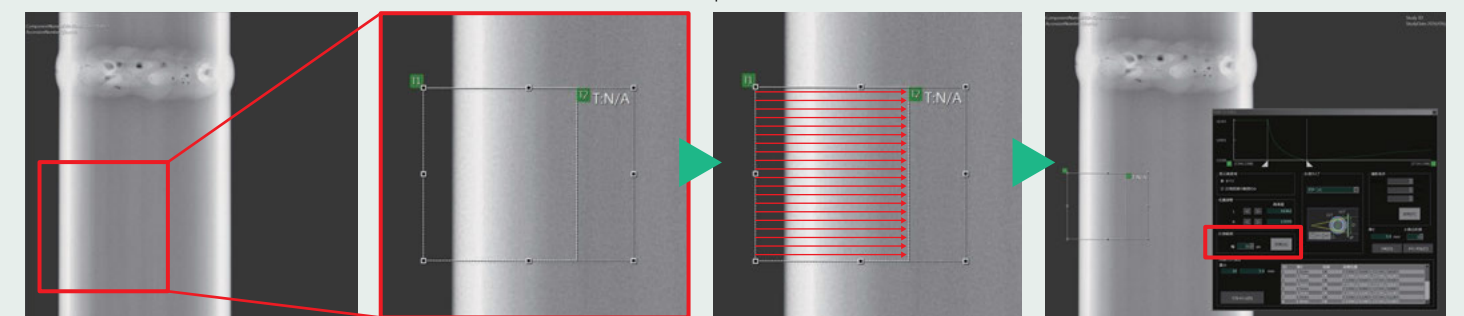
Select the area to measure wall thickness.

STEP 2

Selected area of up to 20 points provides simultaneous measurement.

STEP 3

The minimum thickness can be recorded from the area measured.



VU Report

Input information including exposure conditions, imaging parameters and multiple inspection results on detector console and viewer (workstation) will transfer and automatically populate the VU report.

A report is created in Microsoft Word enabling user to customize content and file format.

