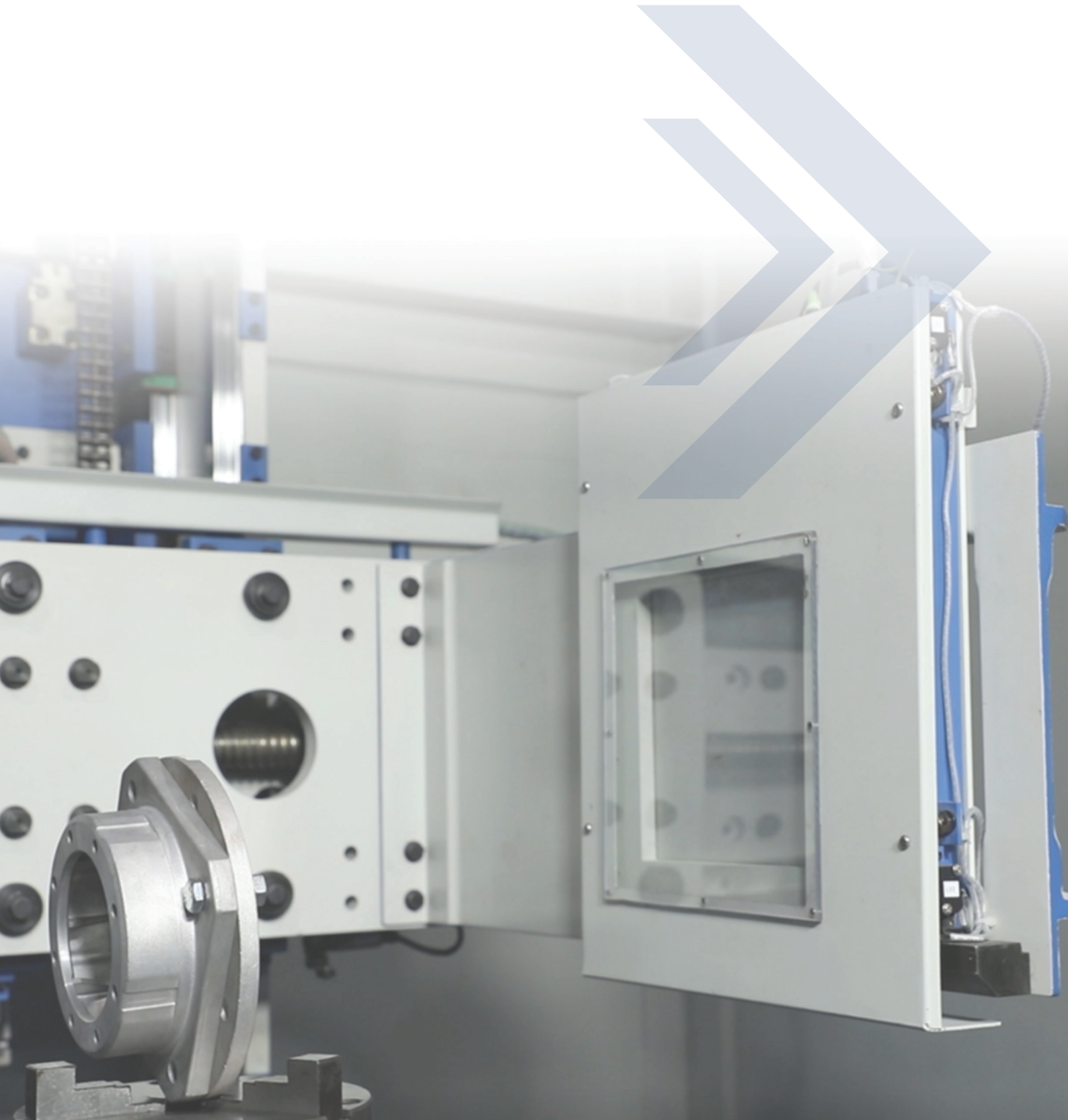


X-ray Digital Imaging Solutions



Digital Flat Panel Detectors (DFPD)

The most advanced form of digital radiography is the flat panel detector, a preferred option for real-time radiography across industries due to its unmatched dynamic range and superior image quality. DFPD's are available in different sizes from 65mmx115mm to 430mmx430mm and resolutions from 75µm to 200µm. These panels are suitable for constant potential X-Ray systems up to 450kV and high energy linear accelerators up to 15MeV. With minimized noise and high resolution, DFPD's are widely chosen to fulfil real-time inspection demands for even mass production lines.



Product	Panel Size	Pixel Matrix	Pixel Size (µm)	Energy Range (kV)	Scintillator Type
2530HE	25x30cm	1792x2176	139	20kV – 16MV	DRZ+
		896x1088			
XRpad2 3025HWC	30x25cm	3004x2508	100	20 – 150kV	Direct deposit CsI
XRpad2 4336HWC	43x35cm	4288x3524	100	20 – 150kV	Direct deposit CsI
XRD 0822 xO/xP	20x20cm	1024x1024	200	20kV – 15MV	Gadox or CsI:TI
XRD 1611 xP	41x41cm	4096x4096	100	40kV – 15MV (XRD 1611AP)	Direct deposit CsI or Gadox
				20kV – 15MV (XRD 1611CP)	
XRD 1620 xN CS	41x41cm	2048x2048	200	40kV – 15MV (XRD 1620 AN CS)	Direct deposit CsI or Gadox
				20kV – 15MV (XRD 1620 CN CS)	
XRD 1621 xN ES	41x41cm	2048x2048	200	40kV – 15MV (XRD 1621 AN ES)	Direct deposit CsI or Gadox
				20kV – 15MV (XRD 1621 CN ES)	
XRD 1622 AO, AP	41x41cm	2048x2048	200	20kV – 15MV	Direct deposit CsI or Gadox
XRD 1642 AP	41x41cm	1024x1024	400	20keV – 15MV	Direct deposit CsI or Gadox
XRpad 4343F	43x43cm	4318x4320	100	20 – 150kV	Direct deposit CsI or Gadox
4343HE	42.7x42.7cm	3072x3072	139	30kV – 16MV	DRZ+
XRD 4343CT	43x43cm	2880x2880	150	Upto 225kV	Direct deposition CsI:TI and Gadox
XRpad2 4343	43x43cm	4288x4288	100	Upto 150kV	Direct Deposit CsI:TI, Gadox
XRD 3025	30x25	3008x2512	100	Upto 225kV (G-22)	Gadox or CsI:TI
				Upto 450kV (G-45)	
XRpad2 3025i	30x25cm	3008x2512	100	Upto150	Direct Deposit CsI, Gadox
XRpad2 4336i	43x35cm	4288x3524	100	Upto150	Direct Deposit CsI, Gadox
1616DXT	16x16cm	1280x1280	127	Upto150	DRZ+, CsI
		640x640			
4343DX -I	42.7x42.7cm	3072x3072	139	Upto 320kV	DRZ, CsI:TI
XRD 4343N	43x43cm	2880x2880	150	Upto 450kV	DRZ, CsI:TI

X-Ray Line Detectors

A Line Detector Array is the heart of the Digital Radiography imaging system, and consists of a linear arrangement of pixels which are sensitive to X-Ray radiation. It allows to capture the X-Rays passing through an object onto a horizontal line, and is moved along the vertical axis to form a full image line-by-line. The flexibility of an X-Ray LDA to acquire virtually unlimited vertical resolution is exploited in many applications where objects of variable sizes have to be quickly scanned in succession. MQS supplies state-of-the-art Line Detector arrays in resolutions upto 200um and length of 1600mm. Our powerful LDAs help you build a modular and scalable inspection system for such as applications cargo, screening, pipe inspection, etc.

We also offer compact and waterproof LDAs for harsher environments and with support for continuous and non-continuous X-Ray sources.



Computed Radiography

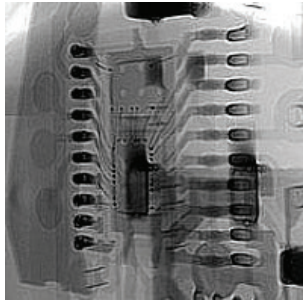
Computed Radiography is an excellent option for film replacement, as it not only saves costs involved in film processing, but also ensures a higher inspection rate/ throughput due to reduced acquisition and processing times. Imaging plates are available with a hard and flexible cassette which is suitable for contact radiography also. With high dynamic range, spatial resolution up to 25µm and pixel pitch of 50µm or better, it provides the best image quality thereby suiting a wide range of applications. CR solutions make industrial radiography easier, productive and accurate.



Image Intensifiers

Compact in size and featuring electronic zoom, Image Intensifiers are a proven and reliable option for real-time radiography. The setup consists of an image intensifier tube coupled to a high-resolution camera capable of offering up to 1200x1200pixels resolution. Available in 6inch and 9inch sizes, image intensifiers produce high quality images with minimal noise.

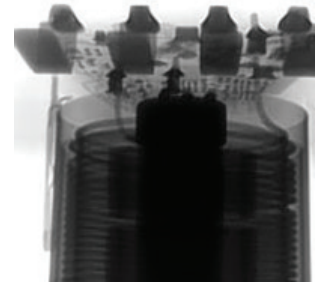




Electronics Car Key



Thermal Fuse



Transformer Coil

Our Clients



About MQS Technologies

MQS Technologies (formerly MedeQuip Services) is a diversified firm with Design, manufacturing & maintenance capabilities that offers custom solutions for engineering & healthcare applications.

Focused on three business lines - Non-Destructive Testing, Aerospace & Defense and Healthcare, our USP lies in leveraging decades of multidisciplinary expertise in electronics, electro-mechanical, mechanical and software domains, to provide user-friendly products and services for a wide range of industries.



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