



MQS Technologies offers a wide range of digital X-ray solutions for inspection of ammunition of different calibre.

Our shell inspection systems are equipped with a dual station; station 1 for X-raying and station 2 for shell rotation and indexing. The system is supplied with pre-sets that are configured to automatically carry out the entire X-ray inspection for shells of different diameters.



## Suitable Product Range for Inspection of Artillery Shells / Ammunition

X-RAY SOURCE	MQXR 160 SERIES		MQXR 225 SERIES		MQXR 320 SERIES		MQXR 450 SERIES		HIGH ENERGY SERIES (2 MEV - 6 MEV)
Focal Spot	0.4mm & 1mm	1mm & 5.5mm	0.4mm & 1mm	1mm & 5.5mm	0.4mm & 1mm	3mm & 5.5mm	0.4mm & 1mm	2.5mm & 5.5mm	2.0mm
Tube type	Mini focus								Linatrons
Power	800W & 1800W	640W & 3000W	800W & 1800W	640W & 3000W	800W & 1800W	1500W & 4200W	800W & 1800W	900W & 4500W	Dose Rate - 0.25 Gy/ min - 0.25 Gy/ min
Analysis	2D/ CT Analysis								
Duty Cycle	100%								
Cabinet & Manipulator	Customizable as per the user's requirement								

### Digital Flat Panel Detectors (DFPD)

FLAT PANEL DETECTOR	MQXRD 0822 XX	MQXRD 3025 XX	MQXRD 1621 XX	MQXRD 4343 HE XX
X Ray Range	0-16MeV	0-450kV	0-16MeV	20-16MeV
Pixel Size	200µm	139µm	200µm	139µm
Active area size	200mmX200mm	250mmX300mm	400mmX400mm	427mmX427mm
Scintillator	CSI/ DRZ+			
Frame rate	25fps in 1x1 binning	5.5fps in 1x1 binning	15fps in 1x1 binning	4fps in 1x1 binning
	50fps in 2x2 binning	11fps in 2x2 binning	30fps in 2x2 binning	15fps in 2x2 binning

### WHY MQS?

- Excellence in Offering Customized NDT Solutions
- In-House Design & Production Capabilities
- Dedicated After Sales and Services team
- AERB Guidance & TA
- Software Design & Development
- Trusted Partner & Solution Provider in Major PSUs

### APPLICATIONS

- Automotive
- Composites
- Ammunitions
- Heavy Engineering Casting
- Aerospace & Defence
- SAW Pipes
- Tyre

### Our Clients



### Our Global Partners



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