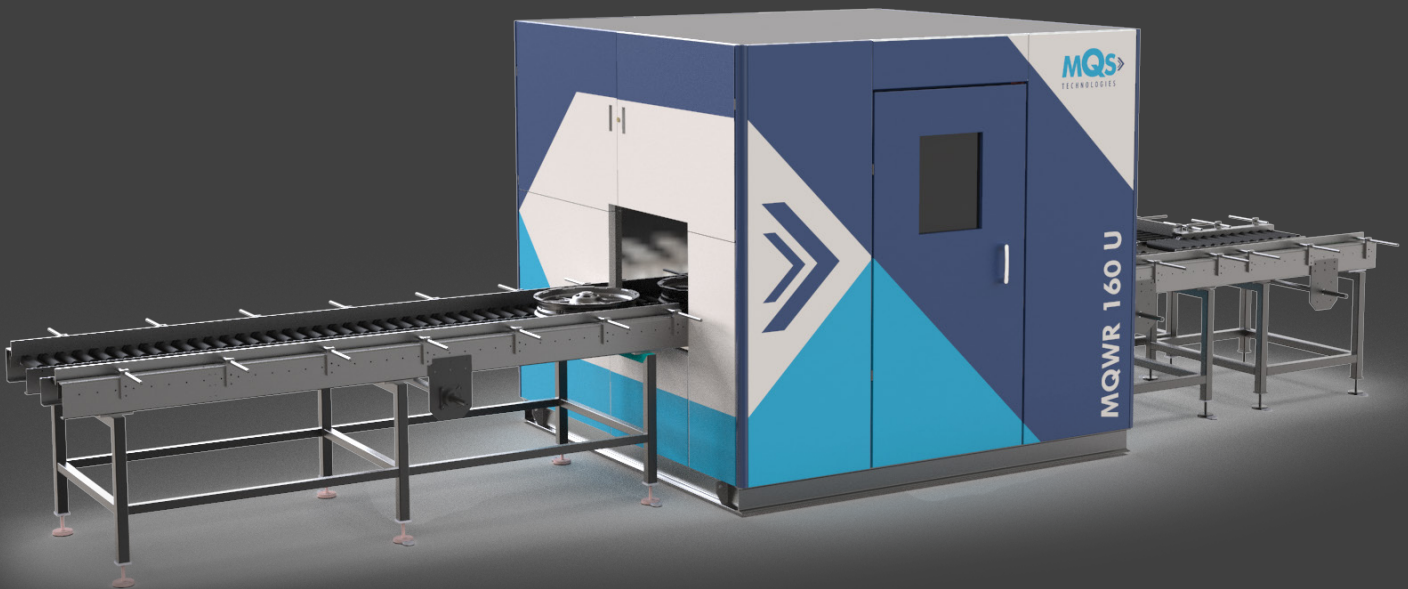


# Inline Wheel Inspection System for 2 & 4-Wheeler

(Indigenously Developed)  
MQS Technologies Private Limited



- ▶ First Make In India System.
- ▶ Inline Inspection for both 2W & 4W Wheels.
- ▶ Designed for 10" to 26" diameter wheels inspection.
- ▶ Fully Automated with in-built ADR features.
- ▶ AERB Type approved system.



# MQWR System Specifications

X-RAY Source		
Voltage(kV)	160	225
Focal Spot(mm)	0.4 - 1.0	0.4 -1.0
Analysis	2D	2D
Duty Cycle	100%	100%
DFPD Specifications		
Detector	XRD 0822	XRD 3131N
ADC	16-bit	16-bit
Active Area(mm)	205X205	307X307
Pixel Matrix	1024X1024	3072X3072
Pixel Pitch(μm)	200	100
Max. Frame Rate(fps)	25	25
System Specifications		
<ul style="list-style-type: none"> <li>▶ Specially designed conveyor for handling both 2W &amp; 4W Wheels.</li> <li>▶ Customized Wheels holding mechanism to handle various diameter wheels with in-built wheel alignment mechanism for obtaining optimum scan results.</li> <li>▶ Standalone C-Arm type manipulator to hold X-Ray tube &amp; Detector.</li> </ul>		
Software Features		
<ul style="list-style-type: none"> <li>▶ Indigenously developed MQS Imaging Suite with in -built ADR software for obtaining optimized inspection.</li> <li>▶ ASTM E2422 -22 compatible software.</li> </ul>		
Special Features		
<ul style="list-style-type: none"> <li>▶ Automatic Wheel Identification to recall related inspection program to run the pre-programmed macro to perform wheel inspection within batches or in random.</li> <li>▶ Add-on feature to add multiple number of wheels during production with less efforts.</li> <li>▶ Incorporated periodical system calibration with image quality indications.</li> </ul>		

