

High Precision
Model

3DAXI

AUTOMATED X-RAY INSPECTION

TR7600F3D SII SERIES



Next Generation Platform Design
for Higher Speed up to 10 FOV/s



Smart Factory Ready for
Easy MES Connectivity

5 μ m

High Precision Inspection for
Comprehensive Defect Detection

900x460
mm mm
Large Board
Support

2X
Faster *
Inspection



Smart Board
Warpage

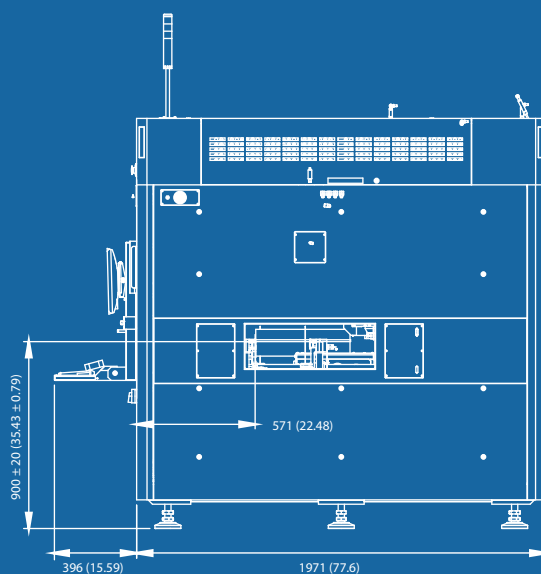
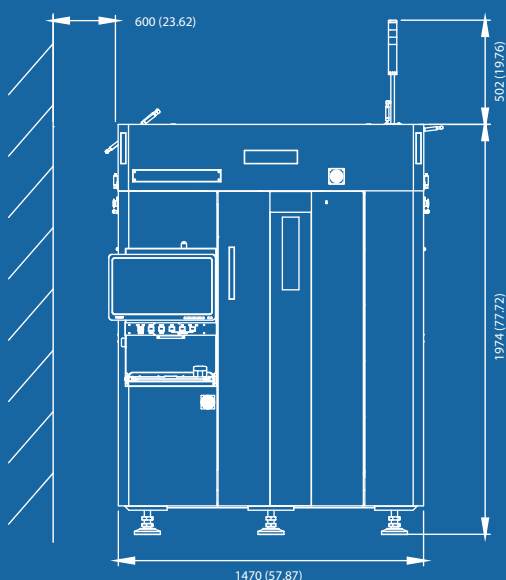


TRI
innovation

*Compared to the previous model, TR7600F3D.

Imaging System	Camera	Flat Panel Detector					
	X-ray Source	130 kV Max (User Adjustable)					
	Imaging Resolution (Choose 3 Resolutions)	5 μm	10 μm	15 μm	20 μm	25 μm	30 μm
	Inspection Method	2D, 2.5D, 3D Slicing, Planar CT (Optional)					
Inspection Functions	Component Defects	Missing, Misalignment, Tombstone, Billboard, Tantalum Polarity, Rotation and Floating					
	Solder Joint Defects	Insufficient/Excess Solder, Bridging, Open, Solder Ball, Non-Wetting, Void and Lifted Lead					
X-Y-Z-Axis Control		High-Precision Ballscrew + AC-Servo Controller					
X-Y-Z Axis Accuracy		1 μm					
		Single Lane					
Max PCB Size		900 x 460 mm (35.43 x 18.11 in.)					
PCB Thickness		0.6 - 7 mm (0.02 - 0.28 in.)					
PCB Transport Height		880 - 920 mm (34.65 -36.22 in.)					
Max PCB Weight		12 kg (26.46 lb)					
PCB Carrier / Fixing		Step Motor Driven / Pneumatic Clamping					
Clearance	Top	5 mm (0.2 in.)	25 mm (0.98 in.)	45 mm (1.77 in.)	50 mm (1.97 in.)		
	Bottom	70 mm (2.76 in.)				55 mm (2.17 in.)	
	Edge	3 mm (0.12 in.) or 5 mm (0.20 in.)					
Weight		3850 kg (8,487.8 lb)					
Power Requirement		200 – 240 VAC, Single Phase, 50 / 60 Hz, 4 kVA					
Air Requirement		72 psi – 87 psi (5 – 6 bar)					
Optional Features		Barcode Scanner, Repair Station, Offline Editor, Yield Management System (YMS 4.0), YMS Lite, CAD Converter and CT Imaging					

Unit: mm (in.)



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TRI 德律 TRI INNOVATION

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