



THE TRULY ACCURATE TURNKEY 3D SCANNING SOLUTION FOR AUTOMATED QUALITY CONTROL APPLICATIONS

AGT Robotics, the leader in low-volume/high-mix robotic equipment, and Creaform, the leader in 3D measurement solutions, developed a fully automated turnkey 3D inspection solution for manufacturing companies that perform quality control directly on the production line.

Powered by Creaform's MetraSCAN 3D™ R-Series, AGT's ScanMaster cell combines flexibility and speed of execution (short delivery times) in a plug-and-play automated solution. The metrology cell enables process control operations in a compact and secure environment for both on-line and off-line inspections. The MetraSCAN 3D optical CMM scanning system, along with the C-Track™ dual-camera sensors, brings *TRUaccuracy*™ technology to production lines, allowing the measurement of complex parts of up to 1 m³—with no compromise on accuracy.

Offering up to two loading entry points, the AGT ScanMaster is available in three possible configurations to meet a wide variety of inspection requirements and applications. Use the automated turntable to complement the robot's scanning of your parts. Independent of operator or technician experience, the ScanMaster provides 24/7 inspection capabilities resulting in increased productivity and reduced downtimes in the part set-up process.

Plug-and-play automated solution

Easy integration in your production processes.

Flexible and versatile

Can easily adapt to different design, volume and specific inspection requirements, thanks to the automated turntable.

Featuring *TRUaccuracy* technology

Accuracy of up to 0.085 mm in real-life, shop-floor conditions (regardless of instability, vibrations, thermal variation, etc.). The accuracy of the dimensional measurements is determined by the optical CMM scanner and independent from the robot.

User-friendly and short learning curve

Independent of operator skills.

Compatible with all major metrology software

No need to learn a different dimensional inspection software.



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	ScanMaster T	ScanMaster TC	ScanMaster TC2
OPERATIONS			
Max. part size	0.9 m × 0.9 m × 1 m (35.4 in. × 35.4 in. × 39.4 in.)		
Part weight	300 kg (661.4 lb.)		
Turntable	1	1	2
Turntable diameter	1.3 m (52 in.)		
Space requirements	1.8 m × 3.8 m × 2.2 m (71 in. × 150 in. × 87 in.)	1.8 m (+ 1.7 m) ¹ × 3.8 m × 2.2 m (71 in. (+ 67 in.) × 150 in. × 87 in.)	1.8 m (+ 1.7 m) ¹ × 3.8 × (+ 1.7 m) ² × 2.2 m (71 in. (+ 67 in.) × 150 in. (+ 67 in.) × 87 in.)
Loading method	Manual	Manual, transport cart, pallet truck	
Opening width	1.5 m (60 in.)	External loading area	
SYSTEMS			
Robot	FANUC LR Mate®		
Automated axes	7		
Robot controller	R-30iB Mate™		
Enclosure	Included		
Power supply	Standard 220 V (1-phase)		
Integrated control panel	Teach pendant, 2 touch screens		
Creaform MetraSCAN 3D R-Series	Included		
Creaform C-Track 780	Included		
Inspection software	PolyWorks Inspector™		
Industrial PC Station	Included		
TRAINING			
Robotic	Not included		
Creaform technologies	Included		
PolyWorks Inspector	Included		
WARRANTY AND MAINTENANCE			
6-month warranty (or 2000 hours)	Included		
Creaform system premium package	First year included		
PolyWorks Inspector	Included		
OPTIONS			
Creaform MaxSHOT 3D™	X	X	X
Robot off-line programming software	X	X	X
Third-party industrial robots	Upon request		
Creaform system premium package	3 years		

¹ "(+ 1.7 m)" being the width of the turntable when open. The sum of the two measurements represents the total space required by the turntable.

² "(+ 1.7 m)" being the length of the turntable when open. The sum of the two measurements represents the total space required by the turntable.

