

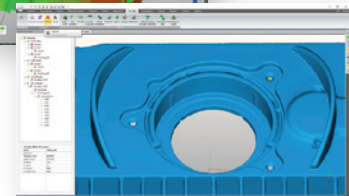
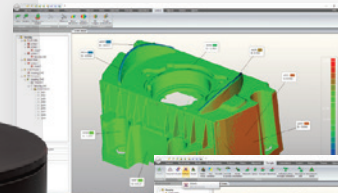


SMARTTECH3D ON

Compact 3D Scanner for
On-Site Precision



The ideal shape and color reproduction
- perfect Digital Twin



The SMARTTECH3D ON is a universal 3D scanner that combines metrology-grade precision with the ability to capture realistic color. Compact and mobile, it can be integrated with a cobot for automated measurements or used as a portable scanning head for on-site service.

METROLOGY GRADE ACCURACY

High-quality detectors perform stereoscopic measurements that minimize noise, while bi-directional fringe projection improves the representation of sharp edges and complex surfaces. The enclosed carbon fiber housing provides stability against temperature changes and protects internal components. The system is factory-calibrated and does not require additional calibration before use.

SMARTTECH3DMEASURE SOFTWARE

The SMARTTECH3Dmeasure software included with the system provides essential tools for both reverse engineering and quality control. The entire measurement and reporting process can be customized and automated to meet user requirements. SMARTTECH3Dmeasure simplifies report creation and produces full-color digital twins of scanned objects for documentation and visualization.



The compact design allows the
3D scanner to be transported as
carry-on luggage during flights.

ONE 3D SCANNER, MANY POSSIBILITIES

The SMARTTECH3D ON can be equipped with a standard rotary table with load capacities ranging from 15 kg to 300 kg. It can also be integrated with a rotary-tilting stage, creating a dedicated automated quality control solution known as the Quality Station.

QUALITY CONTROL IN ONE STEP

The Quality Station system provides a complete solution for inspecting geometrically complex objects. By integrating the SMARTTECH3D ON scanner with a tilt-rotary table, it enables automatic, precise measurement of each part.

The SMARTTECH3Dmeasure software allows instant comparison of scanned data with a reference CAD model and generates customized control reports in PDF format. This hardware and software combination fully automates the inspection process from a single mounting position, with no operator intervention required.



SMARTTECH3D ON TECHNICAL SPECIFICATIONS

Model	1.5-1.5 MP		
Scanning Technology	SMARTLED white/green/blue		
3d scan with color	OPTION		
Detector resolution	1.5MP	1.5MP	1.5MP
Measuring field* [mm2]	150x100	200x133	300x200
Measuring depth* [mm]	75	90	120
Sampling* [pts/mm ²]	100	58	25

Model	6-6 MP		
Scanning Technology	SMARTLED white/green/blue		
3d scan with color	OPTION		
Detector resolution	6MP	6MP	6MP
Measuring field* [mm2]	150x100	200x133	300x200
Measuring depth* [mm]	75	90	120
Sampling* [pts/mm ²]	410	230	100

Model	12-12 MP	
Scanning Technology	SMARTLED white/green/blue	
3d scan with color	OPTION	
Detector resolution	12MP	12MP
Measuring field* [mm2]	200x150	300x225
Measuring depth* [mm]	90	120
Sampling* [pts/mm ²]	402	178

* +/- 10% value

ADDITIONAL ACCESSORIES



Rotary-tilting stage



Automatic Rotary Stage:

- max load 15kg, diameter 200mm
- max load 80kg, diameter 500mm
- max load 300kg, diameter 500mm