



SHINING 3D®

# ROBOTSCAN E0505 ROBOT AUTOMATIC 3D SCANNING SYSTEM





SHINING 3D's intelligent robot automatic 3D inspection system, RobotScan E0505, integrates the blue light high-accuracy industrial 3D scanning technology with the unique intelligent inspection technology to complete the whole scanning process through "one click", thus greatly improving the inspection efficiency.

#### MAIN APPLICATIONS

Perform mass inspection of the measured parts:

- Output report for the quality inspection of the parts.
- Output the error of the whole area or designated area, the error can be imported into the third party software.

#### BLUE-LIGHT TECHNOLOGY

Adopts the blue light 3D scanning technology, which can effectively interfere metal reflection so as to improve the scanning quality.

#### FULL SIZE INSPECTION

Obtain complete point cloud data through 3D scanning, thus making the full-size inspection possible.

#### MASS AUTOMATIC INSPECTION

Conduct mass automatic inspection after the same workpiece has been programmed once.

#### FAST MEASUREMENT SPEED AND WIDE RANGE OF APPLICATIONS

The single measurement speed can reach up to 1.5 seconds, and can scan dark and general reflective objects without spray powder.

#### HIGH SAFETY

This system is equipped with optimal robot with extremely high safety protection.

#### HIGH ENVIRONMENT ADAPTABILITY

The system is compact, occupies a small area.

# TECHNICAL SPECIFICATIONS

## MODEL ROBOTSCAN E0505

Single Shot Accuracy	0.015 mm
Single Scan Speed	≤ 1.5 s
Point Distance	0.16 mm
Single Scan Range	400x300 mm
Maximum Scan Diameter	500 mm
Robot Working Radius	850 mm
Alignment	Automatic markers alignment
Data Acquisition Sensor	High speed, high precision industrial camera 5 MP
Grating Generator	Blue light high-speed digital projector
Grating Output	Built-in grating, USB 3.0 interface control, dual graphic is not required
Output Data Format	ASC, STL, PLY, RGE, P3, PF
Global Error Control	GREC Pro global error control module integrated in the system
OS System Support	Support windows 7, windows 10, 64-bit operating systems, support more than 32G memory
Dimension	2200 x 2800 x 1850 mm (L x W x H)
Power Supply	110V / 220V (single phase)
Power	1250W

\*Notice: SHINING 3D reserves the right to explain any alteration of the specifications and pictures.

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