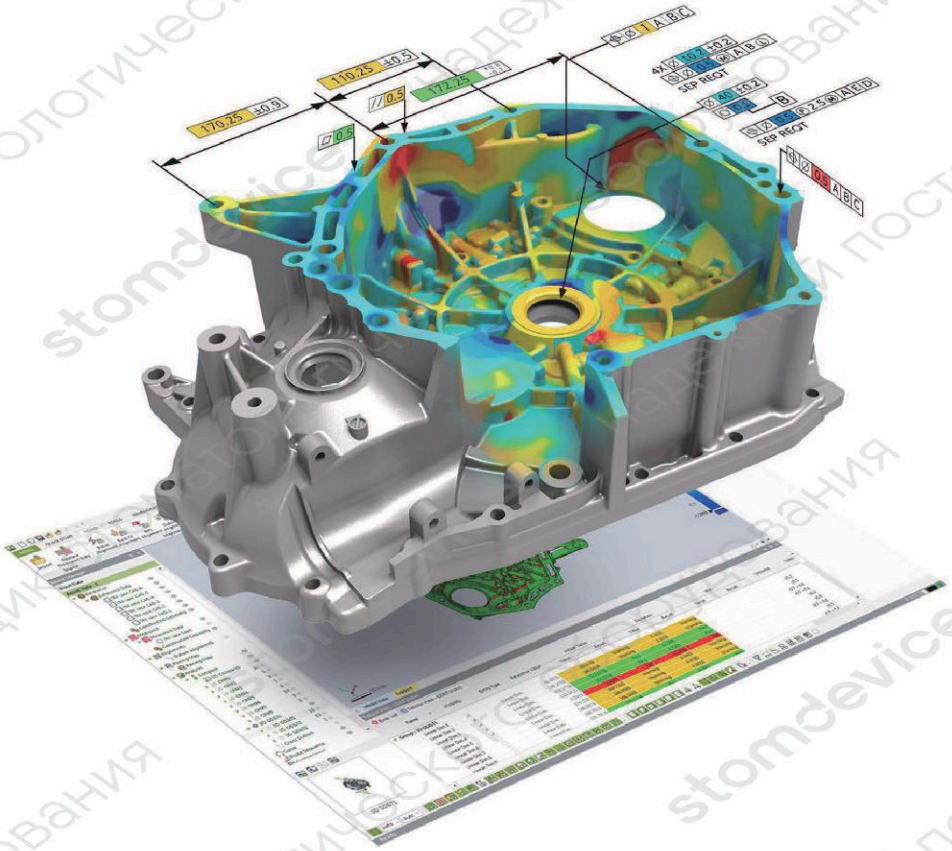
stomdevice

SHINING 3D®

ROBOTSCAN E0505
ROBOT AUTOMATIC 3D SCANNING SYSTEM



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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.

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TECHNICAL SPECIFICATIONS

ROBOTSCAN E0505

Robot Specification	
Degrees of Freedom	6 rotating joints
Working Radius	850mm
Movement	+/-360°
Power Supply	100-240 VAC 50-60 Hz
Weight with Cable	18.4kg
TCP Speed	1 m/s
Repeatability	+/-0.1 mm
Load	5kg
Max Speed	180°/s
IP Classification	IP54
Control Box Weight	15kg
Programming	Graphical user interface on 12 inch touchscreen with mounting

3D Scanner Technical Specification	
Sensor	2 x 5 Million Pixels
Single Scan Range	320*240m^2
Point Distance	0.16mm
Grating Generator	Blue light technology
Output Data Format	ASC、STL、OBJ
Scanner Weight	3.2kg
Scan Speed	≤ 1.5 s
Single Shot Accuracy	≤ 0.015mm
Scan Mode	Non-contact Scan
Dimensions ((L*W*H)	440*240*120mm

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

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