



SHINING 3D®

OptimScan-5M

HIGH END INDUSTRY INSPECTION



OPTIMSCAN-5M

OptimScan 5M is the ideal companion for a fully automated, machine driven shopfloor environment. It's flexible structure allows to use it on a fixed tripod as well as in conjunction with robotic systems. The innovative blue light 3D scanning technology is ideal for the precise scanning of small to medium sized filigree and complex objects with an outstanding accuracy capacity powered by 5.0 mega pixel cameras. The versatility and simplicity of the software enable the OptimScan 5M to adapt perfectly to demanding batch inspection tasks as well as single case inspection jobs. In terms of data processing, OptimScan 5M comes with an easy-to-use intuitive operation software and the scanning data can be imported into any mainstream inspection software in the market.



MINIMIZE ERROR DIFFERENCE AND SAVE TIME TO THE UTMOST

This solution avoids manual error by carrying out CAD data inspection directly, which improves the inspection process efficiency.



DRAMATIC PRODUCTION EFFICIENCY IMPROVEMENT

In conjunction with a professional inspection software all the parameters of the object can be measured automatically and efficiently. Options for single or multi case inspection available.



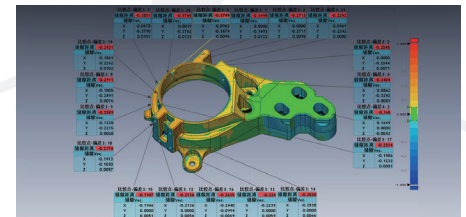
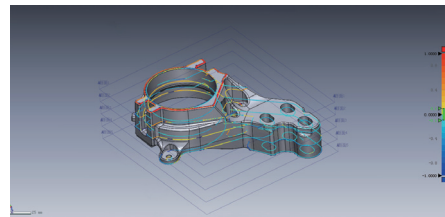
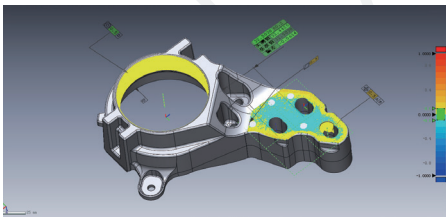
SMART INSPECTION

The whole inspection workflow can be tailored according to the specific measuring requirements with the software updating all the related steps automatically.



HIGH ACCURACY

Repeatability is an important part of quality control process. The SHINING 3D full dimension inspection solution helps to realize efficient repeatability. The automatization additionally eliminates the error difference from user to user.



TECHNICAL SPECIFICATIONS

OptimScan-5M

Model	OptimScan-5M
Single Shot Accuracy	0.005-0.015 mm
Volume Accuracy	0.08 mm/m
Single Scan Speed	< 1.5 s
Point Distance	0.04-0.16 mm
Single Scan Range	100x75 mm / 200x150 mm / 400x300 mm
Scan Depth	100-400 mm
Camera Resolution	5.0 MPx2
Light Source	Blue light (LED)
Scan Type	Non-contact structure light scanning
Alignment	Reference points auto-alignment / manual alignment
Output Data Format	ASC, STL, PLY, RGE, P3, PF
PC Configuration Requirement	CPU: Intel core i7 3770 or better Display card: NVIDIA GeForce GT 670 or better Memory : 8G DDR3 1600 or better
OS System Support	win10 64bit
Operation Temperature	0 °C to 45 °C