SHINING 3D®

# OPTIMSCAN-3M/5M
# HIGH END INDUSTRY INSPECTION

## MINIMIZE THE ERROR DIFFERENCE AND SAVE THE 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

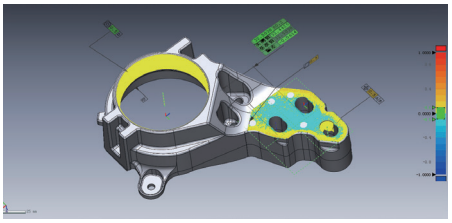
Professional inspection software could record all the steps and parameters. Batch inspection is as easy as single case inspection, because software could repeat the inspection procedure automatically. User can simply press one key to do one case or multi-case inspection job.

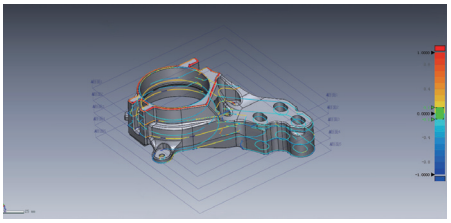
## SMART INSPECTION

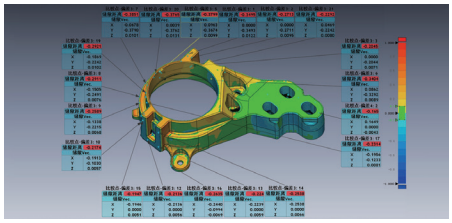
User can modify any steps of the inspection process and the software shall update all related steps automatically. User has the right to modify till getting the best inspection result.

## HIGH ACCURACY

Repeatability is an important part of quality control process. SHINING 3D full dimension inspection solution could help user realize this repeatibility easily. Its automation also minimizes the error difference from user to user.







## OPTIMSCAN-3M

OptimScan-3M 3D scanner is the standard 3D scanner released by SHINING 3D. Equipped with 3.0 mega pixels cameras and latest blue light scanning technology, it has wide applications due to its excellent performance.

## OPTIMSCAN-5M

SHINING 3D OptimScan-5M 3D scanner is the latest blue light 3D scanner in the market, featuring high-end outlook, structure, component and configuration. Its 5.0 mega pixel cameras and blue light scanning technology bring users amazing scanning speed and accuracy, suitable for high-end applications like, aerospace, automobile, mould industry, etc.

## 3D PROBE

- Compatible with OptimScan-3M/5M
- Easily measuring the positions that non-contact scanning is inaccessible, such as very deep holes
- Optical CMM measurement technology
- Wireless bluetooth transmission
- Light and portable design

# TECHNICAL SPECIFICATIONS

## OPTIMSCAN-3M/5M

| Model | OptimScan-3M | OptimScan-5M |
|---|---|---|
| Single Shot Accuracy | 0.007-0.025 mm | 0.005-0.015 mm |
| Volume Accuracy | 0.1 mm/m | 0.08 mm/m |
| Single Scan Speed | <2 s | < 1.5 s |
| Point Distance | 0.048-0.192 mm | 0.04-0.16 mm |
| Single Scan Range | 100x75 mm /200x150 mm/ 400x300 mm | 100x75 mm /200x150 mm / 400x300 mm |
| Scan Depth | 100-400 mm | 100-400 mm |
| Camera Resolution | 3.0 MPx2 | 5.0 MPx2 |
| Light Source | Blue light (LED) | 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<br>Display card: NVIDIA GeForce GT 670 or better<br>Memory : 8G DDR3 1600 or better | |
| OS System Support | win10 64bit | |
| Operation Temperature | 0 to 45 °C | |

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