## HL-Scan

HL-Scan 3D scanning system is easy to operate, ready to use, can achieve automatic quantitative inspection, with robot scanning to reduce manual intervention scanning faster, more accurate and more stable.

## Product characteristics

### Automated 3D on-line detection system

-The point cloud has no layer and automatically generates three-dimensional graphics(triangular grid surface).

-7 pairs of cross-laser beams plus another laser beam, scanning speed up to 480,000 per second

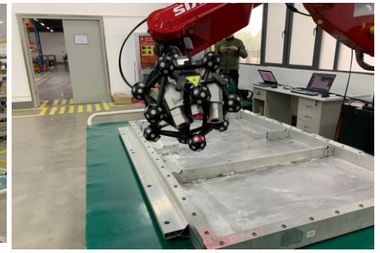
-Hand-held, arbitrary scanning, portable, wide range of applications, scanning in a narrow space, with no requirements for the working environment;

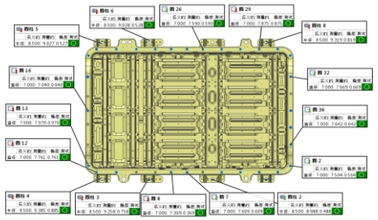
-High-precision, up to 0.02 mm * carbon fibre material, supported by reliable equipment. Black, bright and colored surfaces can be scanned directly without any pretreatment.

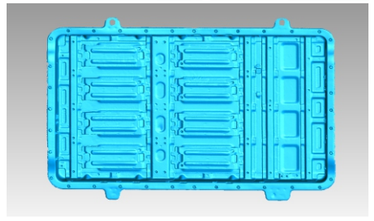
## Product case

### Automated Measuring Scheme for Automobile

Customers need to test the quality of new energy automobile battery module, quickly obtain accurate and detailed 3d test results, analyze whether the product is qualified, improve product quality and product development rate.







This caseHualang Customer: Famous Automobile Manufacturing Group at Home and AbroadScanning Object: New Energy Vehicle Battery ModuleScanning equipment: HL-SCAN automatic three-dimensional detection systemCustomer requirements: Customers need to analyze whether the product is qualified, improve product quality and product development rate.

## technical parameter

| Product Model | HL-SCAN 3D Scanning System |
|---|---|
| weight | 1.5kg |
| Measuring speed | 480,000 measures/seconds |
| light speed | 14 line lasers(+ 1 additional ) |
| resolution ratio | 0.1mm |
| Scan accuracy | Up to 0.04 mm |
| Volume accuracy(9.6 M3) | 0.075mm |
| Volume accuracy(17.6 M3) | 0.095 mm |
| Depth of Field | 250mm(Automatic) |
| Baseline distance | 300mm |
| Transmission mode | USB3.0 |
| Operating temperature | -20 ~ 40℃ |
| Operating temperature(non-condensing) | 10~90℃ |
| Output Format | Compatible with Windows 98/NT/2000 / XP / Vista / 7 |
| Compatible software | 3D Systems(Geomatic Solutions), InnovMetric Software (PolyWorks)Dassault Systems(CATIV V5 and SolidWorks), PTC(PRO/ENGINEER)Autodesk(inventor, Alias, 3DS Max, Maya, Softime)Siemens(NG and Solid Edge) |