



HL-3DP

The 3D photogrammetry system(HL-3DP) uses a handheld high-resolution(6000 × 4000) digital camera to take digital photos of the subject, which is an overlap of 2D digital photo images to obtain the subject. 3D coordinates, This mobile technology can effectively save measurement time for capturing 3D coordinates, quality control(and variant analysis) of the subject.

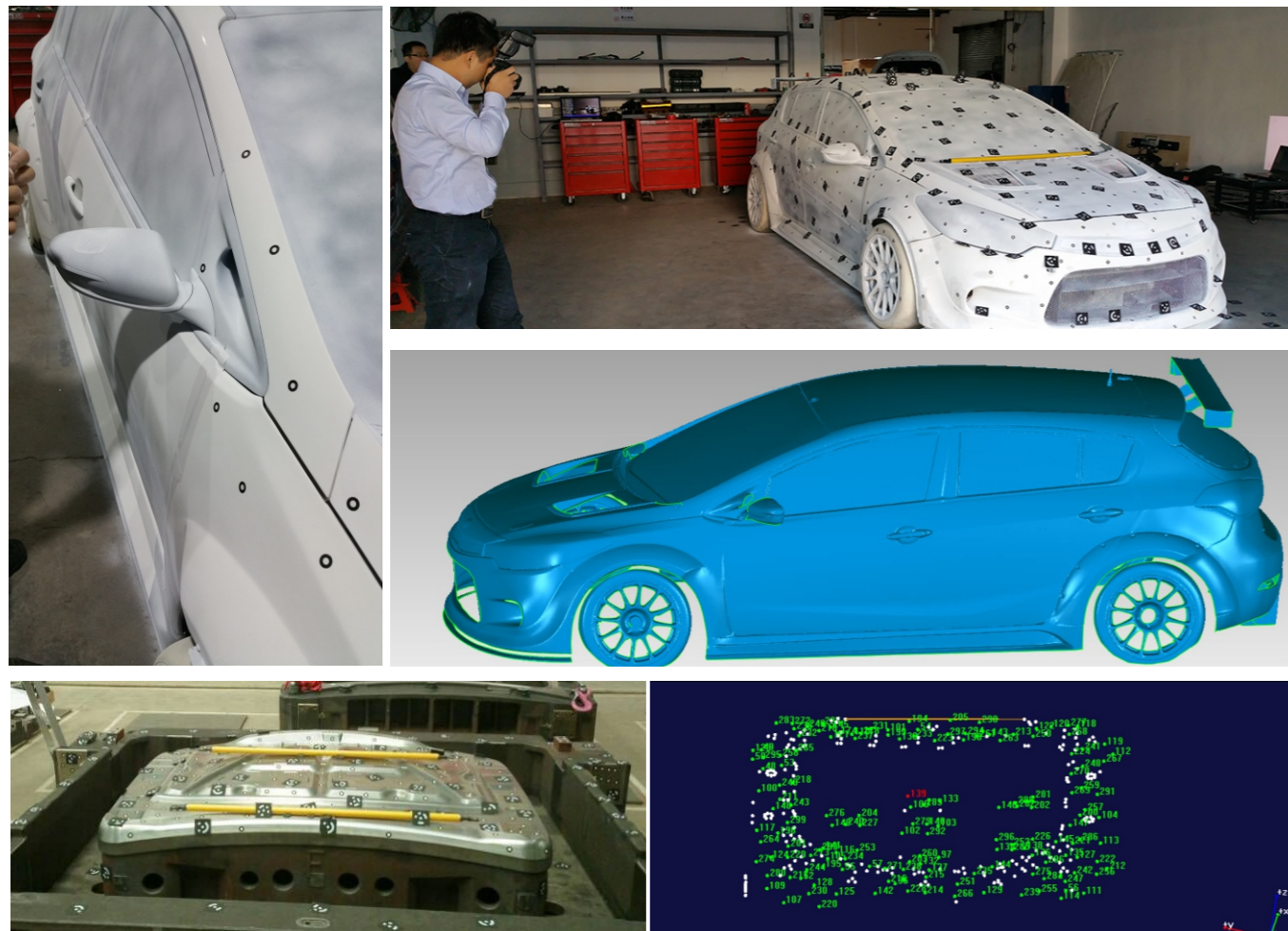
Product characteristics

- Independent intellectual property rights: HL-3DP 3d photogrammetry system has independent intellectual property rights (core technology)
- High efficiency: HL-3DP industrial photogrammetry system can quickly calculate the precise 3D coordinates of coding points and marking points on workpiece surface.
- Quality Assurance: Benchmarking material: carbon fiber, Invar alloy material, superior to the same industry of aluminum materials (high stability);

Product case

Vehicle Measurement Scheme

Hualang's three-dimensional technical engineer uses the three-dimensional photogrammetry system HL-3DP to quickly obtain data on car bodies and wheel arches.



technical parameter

Product Model	HL-3DP Industrial Three-dimensional Photogrammetry System
Range of measurement	10m 30m 50m 100m
Measurement accuracy(mm)	≤±0.04mm/4m
Camera Configuration, Parameters	High-order SLR camera ≥7360 × 4912 pixels
Camera lens	20Mm, 24mm, 28mm lenses
Perspective(degree)	58 degrees horizontal, 36 degrees vertical.
Target Specification	Precision ≤ ± 0.001 mm(identification certificate)
Camera calibration method	Self-calibration
Matching Method	Coding Point Automatic Matching
Reference criteria	vdi 2634/1
Data transfer mode	Flash card or wireless transmission
Post-processing software	PolyWorks, Geomagic, Metrolog, Microsoft, etc..
operating system	Windows XP / Windows 7 / Windows 10 32-bit / 64-bit Chinese / English
Operation Environment	Compatible with Windows 98/NT/2000 / XP / Vista / 7
accessories	Code point logo flash Flash card battery
work environment	0 ~40 °C Humidity ≤ 85 %
Application Direction	3D test sheet metal detection and tolerance analysis inspection equipment detection CAD comparison for large metal frame