Formbuilder

DESIGN INTELLIGENCE AWARD

2022 Design Intelligence Award

SHARP

Sharp 14|Sharp 22|
Sharp 22 Max



Global LEADER

From Zhejiang University CAD
Microsoft Asia Research

- 3D modeling expert
- 3D Scanner original equipment

Compatible with mainstream software

Compatible with mainstream reverse software
Compatible with mainstream 3D testing software

CAD

Simple process

Complete the full-scale inspection process in just four steps
Quickly go from scan to machined drawing

Easy to use

Full process scanning guide,
The software interface design is clear and easy to understand

Greatly improve quality inspection and drawing efficiency

Double the efficiency of quality inspection and drawing
Reduce industrial production costs

Technical Specifications

Model	Sharp-14	Sharp-22	Sharp 22 Max
Scan mode	High-speed scanning large-area scanning , deep-hole scanning		High-speed scanning large-area scanning deep-hole scanning fine scanning
Light source	14 beam crossed laser lines +1 laser line beam	22 beam crossed laser lines +1 laser line beam	22 beam crossed laser lines +7+1 laser line beam
Accuracy	Up to 0.02mm		
Scan speed	1,650,000m/sec	2,020,000m/sec	2,020,000m/sec
Scanning area	Up to 400mm x 400mm		
Scanning method	Laser scanning(safety laser)		
Laser class	Class2(Eye-safe)		
Resolution	Up to 0.02mm		
Volumertric accuracy	0.020mm±0.035mm/m		
Stand-off distance	300 mm		
Depth of field(DOF)	620mm		
Connection standard	USB3.0		
Operating temperature range	0℃—40℃ (Non-cold temperature)		
Dimensions	241mm * 128mm * 48mm		
Weight	880g		
Output formats	.ply,.obj,.vtk,.stl,.off,.ma,.txt,.asc,.neu,.xyz,.scv,.pn,.pv,.pov and support customized format		

