

Laser Sintering Production System

S320HT



Introduction >>

S320HT is characterized by fine spot, flexible forming space and high operating temperature (maximum operating temperature in working chamber up to 350°C). It is an additive manufacturing system for pertinently printing PEEK materials and special high-temperature materials.

Applications >>



Medical Treatment



Aviation



Automobiles



Education



Household Appliances

SLS 3D Printer Specification

S320HT

Build Chamber Size X×Y×Z (mm)	320 × 320 × 380
Effective Space Size X×Y×Z (mm)	310 × 310 × 370
Dimension of Main Machine W×D×H (m)	1.34 × 1.28 × 2.15
Dimension of Control Unit W×D×H (m)	0.60 × 1.06 × 1.92
Weight of Main Machine (kg)	1,350
CO ₂ Laser Power (w)	60
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Focusing	3-axis, dynamic focusing
Building Speed (mm/h)	10~25
Layer Thickness (mm)	<ul style="list-style-type: none"> ● 0.06 ~ 0.2 Adjustable. ● Recommended Values 0.12
Diameter of Laser Beam (mm)	0.22
Maximum Scanning Speed (mm/s)	13,000
Maximum Operating Temperature (°C)	350/300
Powder Pyrometer Long Term Stability (°C/Year)	0.1
Powder Feeding Type	<ul style="list-style-type: none"> ● Powder discharged upside, ● Powder fed both sides
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Data Format	STL
OS	Windows 10.0
Data Processing Software	Voxeldance Additive - TPM3D Version
Options for Color of SLS Parts	White, black or other colors
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Auto Lock for Platform	Yes
Lifting Trolley	Manual
Active Cooling	Yes
Thermal Management for Control Cabinet	Chiller
Powder Recoater	Smart dual blade
Electrical Protection	PL-e Dual-channel security control
Nitrogen generator	Integration
Power	380V, 3P/N/PE, 32A, 50/60Hz, Avg 5kW

Open Breakout Station

Open design, convenient for many people at the same time to clean the mass production of multiple small parts; Fast switch between different materials, unpacking workstation can also effectively filter and recover the powder, ready for the next production.

Size X × Y × Z (mm)	1450 × 1040 × 1420
Weight (Kg)	250
Intake Pressure (MPa)	0.5
Power	220V AC, 2A, 50Hz 400W

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