

## 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

### 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 <sub>2</sub> Laser Power (w)	60
Focusing	3-axis, dynamic focusing
Building Speed (mm/h)	10~25
Layer Thickness (mm)	<ul style="list-style-type: none"> <li>• 0.06 ~ 0.2 Adjustable.</li> <li>• Recommended Values 0.12</li> </ul>
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"> <li>• Powder discharged upside,</li> <li>• Powder fed both sides</li> </ul>

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

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 Unit

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	380V, 3P/N/PE, 2A, 50/60Hz, Avg 250W

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