



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.

Applied to

- Automobiles
- Household appliances
- Medical devices
- Aviation
- Education

Contact

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Specification

Name	S320HT
Build chamber size X x Y x Z (mm)	320 × 320 × 380
Effective space size X x Y x Z (mm)	310 × 310 × 370
CO ₂ laser power (w)	60
Focusing	3-axis, dynamic focusing
Building speed (mm/h)	10~25
Layer thickness (mm)	0.06 ~ 0.2 Adjustable, Recommended Values 0.12
Diameter of laser beam (mm)	0.22
Maximum scanning speed (mm/s)	13,000
Dimension of main machine x D x H (m)	1.30 × 1.26 × 2.06
Dimension of control unit W x D x H (m)	0.65 × 1.05 × 1.9
Weight of main machine (kg)	1,350
Maximum operating temperature (°C)	350 / 300
Active cooling	Yes
Thermal management for control cabinet	Chiller
Lifting trolley	Manual
Oxygen detector	Yes
Options for color of SLS parts	White, black or other colors
OS/data processing software	Windows 10.0 VoxelDance Additive Premium
Data format	STL
Electrical protection	PL-e Dual-channel security control
Powder feeding type	Powder discharged upside, powder fed both sides
Powder recoater	Smart dual blade
Nitrogen generator	Integration
Powder pyrometer long term stability (°C/Year)	0.1
Power	380V, 3P/N/PE, 32A, 50/60Hz, Avg 5kW