

Laser Sintering Production System S360

Industrial-Grade 3D Printing Technology



Introduction >>

S360 is suitable for the manufacture of most of the products such as automobiles aviation, household appliances, and plastic functional parts at present, giving consideration to its building chamber size and high-efficiency additive manufacturing system with extremely high overall performance.

Applications >>



Specification

S360

Build Chamber Size X×Y×Z (mm)	360 × 360 × 600
Effective Space Size X×Y×Z (mm)	350 × 350 × 590
Dimension of Main Machine W×D×H (m)	1.32 × 1.28 × 2.09
Dimension of Control Unit W×D×H (m)	0.60 × 1.06 × 1.92
Weight of Main Machine (kg)	1,300
CO ₂ Laser Power (w)	60
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)	0.25
Maximum Scanning Speed (mm/s)	15,000
Maximum Operating Temperature (°C)	230/160
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
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	Single blade
Electrical Protection	PL-e Dual-channel security control
Nitrogen generator	Integration
Power	380V, 3P/N/PE, 32A, 50/60Hz, Avg 3kW

Part & Powder Processing Station (360ver)

TPM3D released an innovative clean production solution, the Part & Powder Processing Station (PPS), which provides a perfect solution to prevent powder leakage. The PPS solution not only keeps your work place from any dust pollution, but also helps save your production time and cost. Both automatic and manual operation modes are available on the PPS, which provides you with more flexibilities when using the TPM3D SLS AM system.

Size X × Y × Z (mm)	2285 × 1560 × 2070
Weight (Kg)	500
Powder Feeding Rate (Kg/h)	50
Maximum Power (Kw)	4
Intake Pressure (Mpa)	≥0.5
Air Flow Requirement (L/min)	≥200
Dust Explosion-Proof Grade (GB3836 / GB12476)	Dust Explosion - Proof Zone 22
Working Noise (dB)	≤70
Power	380V, 3P/N/PE, 10A, 50/60Hz, Avg 2kW
Maximum Capacity	1 or 2 SLS Systems

TPM 3D Printing Technology CO.,LTD.

Headquarters: Rm.112,1/F, Bldg#6, 3000 Yixian Rd.,Baoshan District, Shanghai, China 200441

East China: Unit 308, 3/F, Bldg.# A-9, Big Data Industrial Park, Yannan Hi-Tech Zone, Yancheng, Jiangsu, China 224000

North China: Rm. 720, Bldg. A, Zhaolin Plaza,19 Ronghua Rd., M., Beijing 10076

South China: 1F, No.36, Jiuzhouji Fuli Road, Xiaolan Town, Zhongshan City, Guangdong Province 528415



TPM3D
— Build Different —

www.tpm3d.com

© 2022 TPM3D®, All Rights Reserved.

The TPM3D digital printing is for the relevant information of this series of products only, which, at any time, might be updated without prior notice due to technological innovations, improvements of production processes, or any necessary corrections to the printing errors and the inaccurate information.