

Laser Sintering Production System S800QL



The picture is for reference only.

Specification

S800QL (to be confirmed)

Build Chamber Size X×Y×Z (mm)	800 × 800 × 600
Effective Space Size X×Y×Z (mm)	790 × 790 × 590
Dimension of Main Machine W×D×H (m)	To be confirmed
Dimension of Control Unit W×D×H (m)	0.60 × 1.06 × 1.92
Weight of Main Machine (kg)	1,750
CO ₂ Laser Power (w)	500 x4 Four Lasers
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)	0.5
Maximum Scanning Speed (mm/s)	25,000
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	Smart dual blade
Electrical Protection	PL-e Dual-channel security control
Nitrogen generator	Integration
Power	380V, 3P/N/PE, 32A, 50/60Hz, Avg 4kW

Introduction

S800DL is also equipped with four lasers and dual digital dynamic focusing system. The total building volume of S600DL is the same (the building size is 800×800×600mm), which is the largest in the industry, but the width is increased to 800×800mm. When making large-size parts in the automobile, aerospace and other industries, the placing height can be reduced. To complete printing tasks more efficiently and with better quality.

Applications



Medical Treatment



Aviation



Automobiles



Education



Household Appliances

Part & Powder Processing Station (to be confirmed)

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)	2700 × 1830 × 2300
Weight (Kg)	1,000
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 for 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



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