Laser Sintering Production System

P360

Industrial-Grade 3D Printing Technology

Introduction

P360 is suitable for the manufacture of most of the products such as aviation, locomotives and 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

Medical Treatment | Aviation | Automobiles | Education | Household Appliances

SLS 3D Printer Specification — P360

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)	1.48×1.29× 2.09
Weight of Main Machine (kg)	1,250
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)	0.25
Maximum Scanning Speed (mm/s)	15,000
Maximum Operating Temperature (℃)	230/160
Powder Pyrometer Long Term Stability (℃/Year)	0.1
Powder Feeding Type	• 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
Control Unit	Integrated control unit
Thermal Management for Control Cabinet	Room temperature air cooling
Powder Recoater	Single blade
Electrical Protection	PL-d Single-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 for 2 SLS Systems

TPM3D Build Different

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