TPM3D
Build Different

S480 Laser Sintering Production System

Introduction

S480 has a large molding range and high scanning speed, is suitable for the manufacture of large quantities of plastic parts or small-volume parts in batch; when used in combination with S480, it has the manufacturing capability of small parts and large parts, and gives consideration to economical efficiency and extremely high capacity of parts production, which is the preferred equipment matching scheme for additive manufacturing service agencies.

Applied to

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

Contact

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Specification

Name	S480
Build chamber size X x Y x Z (mm)	480×480×600
Effective space size X x Y x Z (mm)	470×470×590
CO_2 laser power (w)	100
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)	0.31
Maximum scanning speed (mm/s)	21,000
Dimension of main machine x D x H (m)	1.48×1.35×1.98
Dimension of control unit W x D x H (m)	0.65×1.05×1.9
Weight of main machine (kg)	1,450
Maximum operating temperature (℃)	230/190
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	Windows10.0 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
Auto lock for platform	Yes
Powder pyrometer long term stability (℃/Year)	0.1
Power	380V, 3P/N/PE, 32A, 50/60Hz, Avg 4.5kW

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