

## Selective Laser Sintering (SLS) 3D Printing

### TPM3D® SLS AM Systems

Specs	S260	S360	S480	S600	S320HT
Chamber Volume X.Y.Z. (mm)	260×260×400	360×360×600	480×480×600	600×600×800	320x320x400
Effective Building Volume X.Y.Z. (mm)	250×250×390	350×350×590	470×470×590	590×590×790	310x310x390
CO <sub>2</sub> Laser Power (w)	30	60	100	100	60
Focus	3-Axis Dynamic	3-Axis Dynamic	3-Axis Dynamic	3-Axis Dynamic	3 -Axis Dynamic
Building Speed (mm/hr)	up to 30	up to 20	up to 18	up to 18	up to 20
Layer Thickness (mm)	0.08/0.1/0.12	0.1/0.12/0.15	0.12/0.15/0.18	0.12/0.15/0.18	0.1/0.12/0.15
Laser Focus Spot (mm)	0.3	0.3	0.4	0.4	0.25
Scan Speed up to (mm/s)	6,000	15,000	21,000	21,000	13,000
Build Unit Size W.D.H (m)	1.2×1.0×1.9	1.3×1.3×1.9	1.5×1.4×2.0	1.6×1.4×2.0	1.3×1.2×2.1
Control Unit Size W.D.H (m)	0.7×1.1×1.9	0.7×1.1×1.9	0.7×1.1×1.9	0.7×1.1×1.9	0.7×1.1×1.9
Build Unit Weight (Kg)	1,100	1,300	1,450	1,550	1,300
Max. Operation Temperature Platform / Build Chamber (Celsius)	210/155	210/155	210/155	210/155	390/350
Active Cooling	●	●	●	●	○
Thermal Regulator for Control Cabinet	●	●	●	●	●
Lifting Trolley	Manual	Manual	Battery-driven	Battery-driven	Manual
Oxygen Detector	●	●	●	●	●
Parts Color	White,Black or Others				
OS & Data Preparation Software	Windows10.0/ SolidView Pro RP, 64bit				
Data Format	STL				
Powder Feeding Type	Twin Storage Bins				
Recoater	Smart Recoater Blade				
Nitrogen Generator	Integrated				
Power Supply	380V , 3P/N/PE , 32A , 50Hz , 8KW				