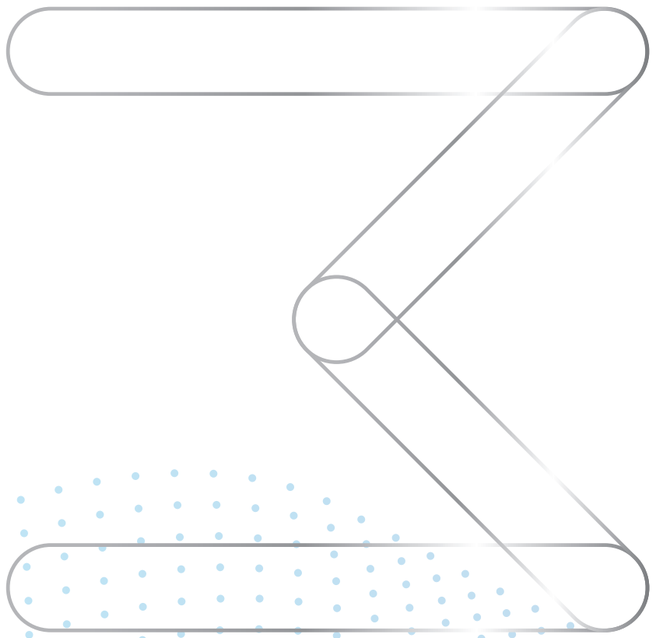
TPM3D

TPM3D



Selective Laser Sintering AM System

Dedicated To Industrial Applications

Since 1999

TPM3D Printing Technology Co.,Ltd

Headquarters (Shanghai)
Rm.112,1/F, Bldg#6, 3000 Yixian Rd., Shanghai, China 200441

Operation Center (Zhongshan)
4th Floor, Block 5, Tianji Zhihai, No.29 Ronghua South Road, Xiaolan, Zhongshan, Guangdong 528415

Sales & Marketing Center (Beijing)
Rm. 1702, T4, Han's Plaza, 2 Ronghua South Rd., Beijing 100176

Service Center (Yancheng)
Unit 308, 3/F, Bldg.# A-9, Big Data Industrial Park, Yannan Hi-Tech Zone, Yancheng, Jiangsu 224000

Manufacturing Center (Hefei)
2nd Floor, Workshop 5, OFILM Industrial Park, Hefei, Anhui 238000

Web: english.tpm3d.com Email: info@tpm3d.com marketing@tpm3d.com



© 2025 TPM3D®, All Rights Reserved.

The TPM3D digital printing is for the relevant information of this series of products only, which, at anytime, 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.

Build Different

TPM3D



China
Shanghai
Jiangsu
Beijing
Guangdong
An Hui

» Catelogue

1 Overviews

Profile 01
History 01
Visions 02

2 Additive Manufacturing Systems

Introduction to SLS Technologies 03
SLS Printers
S Series 04
P Series 08
Auxiliary Equipment 15
Polymer Powder 17
Softwares 19

3 Applications

SLS 3D Printing Applications 20

Profile- Pioneering SLS 3D Printing Solutions Provider Since 1999

TPM3D is a leading innovator in Selective Laser Sintering (SLS) additive manufacturing. With deep roots in research and development, we offer a full portfolio of S and P series industrial SLS systems, alongside a wide range of high-performance powder materials. With 90+ patents and proven expertise, TPM3D provides reliable additive manufacturing solutions for industries including healthcare, automotive, consumer goods, electronics, education, aerospace, and more.

Headquartered in China, TPM3D collaborates with trusted distributors and partners to serve customers across the globe. With a growing international presence, we are committed to helping businesses everywhere unlock the full potential of additive manufacturing.

Our Customers





History

2025 — Scaling Up
New 10,000 m² manufacturing facility in Hefei boosts overall capacity

2024 — Building the Future
Expanded production at Phase II factory in Zhongshan

2023 — Going Global
- Expanded oversesas and started building an international partner network
- Received 2nd national award, for sports-related applications

2022 — Large-Format Breakthroughs
- Released S600DL and P550DL dual-laser large-format SLS printers
- Received national award for customized scoliosis orthoses solutions

2021 — New Chapter
- Moved to new facility in Zhongshan, China
- Established 3D Printing Digital Medical Center

2020 — Accelerated Growth
- Secured external investment
- Opened a service center in Yancheng, China

2019 — TPM3D Reborn
- Spun off from Stratasys and rebranded as TPM3D

2014-2018 — Joint Venture with STRATASYS
- Formed a joint venture with Stratasys
- First in China to receive CE certification from TÜV Rheinland

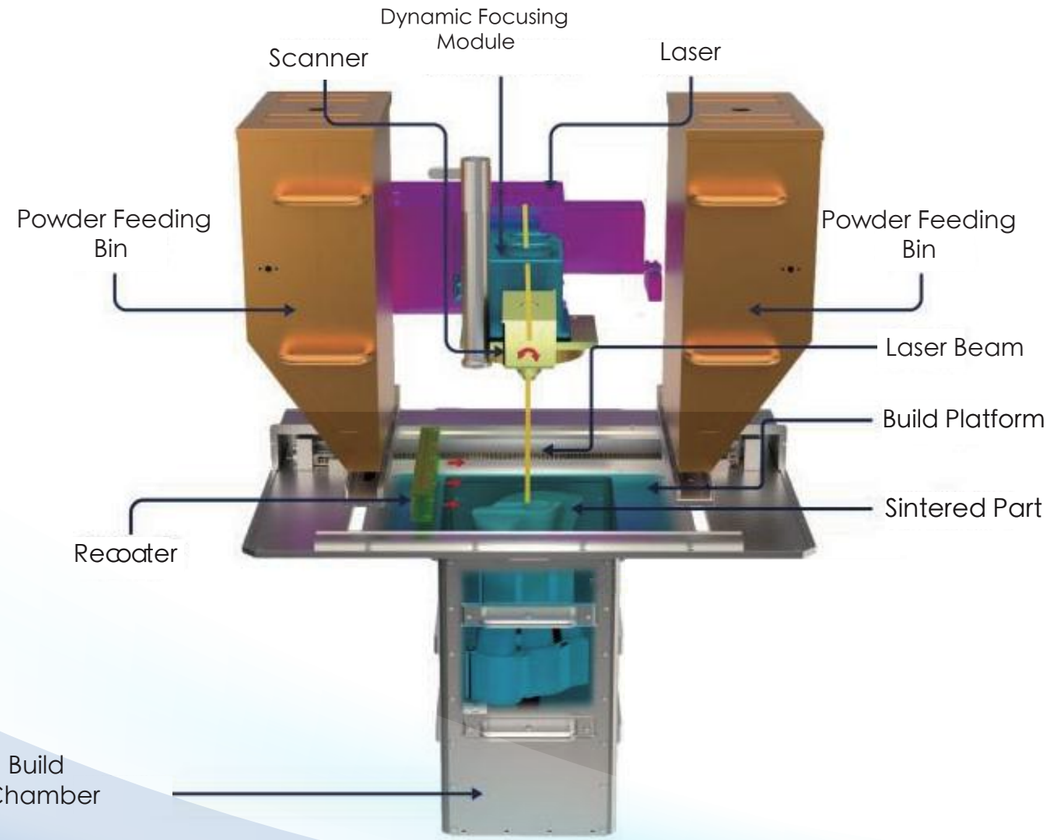
2007 — Asia's First
- Launched Asia's first self-developed SLS 3D printing system

1999-2004 — Foundation
- Established a scientific research team
- Became one of China's earliest players in SLS 3D printing services

Introduction to SLS Technology

The Selective Laser Sintering (SLS) is an Additive Manufacturing method that uses a powder bed fusion process to build 3D parts. The SLS system starts by applying a thin layer of powder material to the build platform, and a powerful laser beam then fuses the powder at exactly the points defined along the pre-set scan path after the platform is heated to a set temperature. The platform descends one layer depth and then another layer of powder is applied. Once again the material is fused so as to bond with the layer below at the predefined points. Layer by layer until the build is completed. Compared to other additive manufacturing processes such as Stereolithography (SLA) and Fused Deposition Modeling (FDM) or Fused Filament Fabrication (FFF), Selective Laser Sintering(SLS) does not require support structures since the powder acts as self supporting material, which allows intricate and complex geometries to be constructed. SLS technology can be used both for rapid prototyping and production.

Printer’s Structure



SLS AM System

S Series - TüV CE Certified



Models
- TPM3D S260 (260 X 260 X 450mm)
- TPM3D S360 (360 X 360 X 600mm)
- TPM3D S480 (480 X 480 X 600mm)
- TPM3D S600DL (600 X 600 X 800mm)
- TPM3D S320HT (320 X 320 X 380mm)

Recommended to
- High-end users
- Users with CE compliant request

Materials Range
- PA11, PA12, PA6X, TPU, PP, PPS, PEEK, PEKK
- Black, White, and customized colours

Standard
- Built-in filter for exhaust gas
- Built-in detector for oxygen
- Built-in active cooling module
- Powder Processing Station

Optional
- Air Compressor
- Sand Blaster
- Vacuum Cleaner

Features
- PL-e Safety performance based on ISO 12100 & IS0 14121 Standards
- CE Certificate approved by TÜV Rheinland


CERTIFICATE
of Conformity
EC Council Directive 2006/42/EC
Machinery
Registration No.: AM 50379244 0001
Report No.: 50067873 001


CERTIFICATE
of Conformity
EC Council Directive 2014/30/EU
Electromagnetic Compatibility
Registration No.: AE 50377043 0001
Report No.: 50079654 001
Holder: TPM MACHINERY(SHANGHAI) CO.,LTD. 1F, Building#7, 3000 Yixian Rd. Shanghai, 200441 P.R. China
Product: Printing Machine (Laser Sintering 3D Printing System)
Identification: S120 S260 S360 S480
Tested acc. to:
Shanghai, 23.08.2017
TÜV Rheinland (China) Co., Ltd. - No. 01/03B-08-Floor 7 and No. 01/04B-08, Floor 11, AVIC Building, No. 108, Central Road East 3rd Ring Road, Chaoyang District, Beijing P.R. China 100022

S Series Specifications





Specifications				
Model		S260	S360	S480
Build Chamber Size X* Y* Z	(mm)	260×260×450	360×360×600	480×480×600
CO_2 Laser Power	(W)	30	60	100
Focus		3-axis, dynamic focusing	3-axis, dynamic focusing	3-axis, dynamic focusing
Productivity	(mm/h)	10~25	10~25	10~25
Layer Thinkness	(mm)	0.06-0.2 Adjustable, Recommended Values 0.12	0.06-0.2 Adjustable, Recommended Values 0.12	0.06-0.2 Adjustable, Recommended Values 0.12
Laser Focus Spot	(mm)	0.3	0.25	0.31
Speed Up To	(mm/s)	8,000	15,000	21,000
Main Unit Size W*D*H	(m)	1.32×1.28×2.08	1.32×1.28×2.09	1.56×1.40×2.05
Control Unit W*D*H	(m)	0.60×1.06×1.92	0.60×1.06×1.92	0.60×1.06×1.92
Main Unit Weight	(kg)	1,150	1,300	1,450
Maximum Operating Temperature Powder Bed/Build Chamber	(℃)	230/160	230/160	230/160
Active Cooling		Yes	Yes	Yes
Thermal Management for Control Unit		Chiller	Chiller	Chiller
Lifting Trolley		Manual	Manual	Manual
Oxygen Detector		Yes	Yes	Yes
Parts Colour		White, Black or Other Colors	White, Black or Other Colors	White, Black or Other Colors
OS/Data Processing Software		Windows 10.0 Voxeldance Additive - TPM3D Ver	Windows 10.0 Voxeldance Additive - TPM3D Ver	Windows 10.0 Voxeldance Additive - TPM3D Ver
Data Format		STL	STL	STL
Electrical Protection		PL-e dual channel sercurity control	PL-e dual channel sercurity control	PL-e dual channel sercurity control
Powder Feeding Type		Powder discharged upside Powder fed both sides	Powder discharged upside Powder fed both sides	Powder discharged upside Powder fed both sides
Recoater		Smart Blade	Smart Blade	Smart Blade
Nitrogen Generator		Integrated	Integrated	Integrated
Power		380V, 3P/N/PE, 32A, 50HZ, Avg 2kW	380V, 3P/N/PE, 32A, 50HZ, Avg 3kW	380V, 3P/N/PE, 32A, 50HZ, Avg 3.5kW

The TPM3D digital printing is for the relevant information of this series of products only, which, at anytime, 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.

TPM3D
Build Different

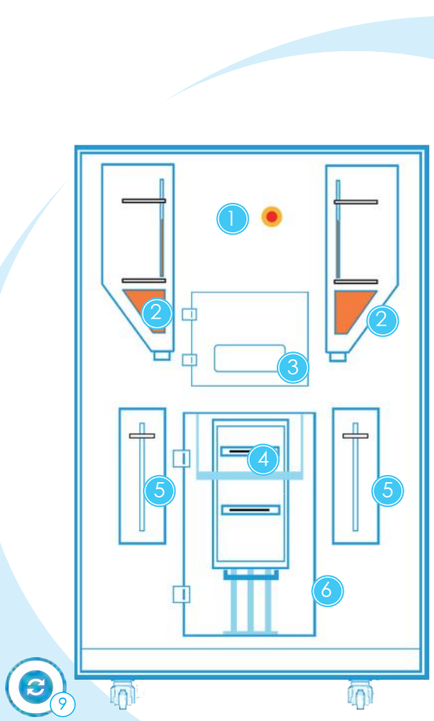
PART 02 Additive Manufacturing System




Specifications			
Model		S600DL	S320HT
Build Chamber Size X* Y* Z	(mm)	600×600×800	320×320×380
CO_2 Laser Power	(W)	140 X2 Double Laser	60
Focus		3-axis, dynamic focusing	3-axis, dynamic focusing
Productivity	(mm/h)	15~25	10~25
Layer Thinkness	(mm)	0.06-0.2 Adjustable, Recommended Values 0.15	0.06-0.2 Adjustable, Recommended Values 0.12
Laser Focus Spot	(mm)	0.42	0.22
Speed Up To	(mm/s)	25,000	13,000
Main Unit Size W* D* H	(m)	1.65×1.52×2.36	1.34×1.26×2.15
Control Unit Size W* D* H	(m)	0.60×1.06×1.92	0.60×1.06×1.92
Main Unit Weight	(kg)	1,750	1,350
Maximum Operating Temperature Powder Bed/Build Chamber	(℃)	230/160	350/300
Active Cooling		Yes	No
Thermal Management for Control Unit		Chiller	Chiller
Lifting Trolley		Manual	Manual
Oxygen		Yes	Yes
Parts Colour		White, Black or Other Colors	White, Black or Other Colors
OS/Data Processing Software		Windows 10.0 Voxeldance Additive - TPM3D Ver	Windows 10.0/ Voxeldance Additive
Data Format		STL	STL
Electrical Protection		PL-e dual channel sercurity control	PL-e dual channel sercurity control
Powder Feeding Type		Powder discharged upside Powder fed both sides	Powder discharged upside Powder fed both sides
Recoater		Smart Blade	Smart Blade
Nitrogen Generator		Integrated	Intergrated
Power		380V, 3P/N/PE, 32A, 50HZ, Avg 4kW	380V, 3P/N/PE, 32A, 50HZ, Avg 5kW

The TPM3D digital printing is for the relevant information of this series of products only, which, at anytime, 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.

Structure of Main Unit - S Series



1 Emergency Stop Button
Terminate main unit operation in critical situation

2 Powder Feeding Bins
Storage of printing material

3 Working Chamber
Powder heating and sintering

4 Removable Build Chamber
For powder bed and built parts

5 Overflow Bin
Collect residual powder from the printing process

6 Convection Heating Chamber
Heat the build chamber and the powder to the preset temperature

7 Touch Screen Monitor
Printing Information

8 Emergency Stop Button
Terminate control unit operation in critical situation

9 Main Unit Reset Button
Reboot the machine

10 Laser Switch
Turn on/off the laser with a Key

11 Mouse &

12 Control Computer
Printing process management

13 Power Supply Unit

14 Motor Driver Unit
Mechanical movement control, including control of powder feeding, lifting and descending of build platform, and powder recoater's movement

15 Thermal Control Unit
Temperature control of the build chamber and convection heating chamber

SLS AM System

P Series - Ideal For Asian Users



Models
- TPM3D P360 (360 X 360 X 600mm)
- TPM3D P550DL (550 X 550 X 850mm)

Applicable For
- Industrial Applications
- Service Bureaus
- Medical Applications
- Education & Creative
- Materials Development

Materials Range
- PA11, PA12, PA6X, TPU, PP
- Black, white, and customized colours

Standard
- Powder Processing Station
- Active Cooling Module

Optional
- Air Compressor
- Sand Blaster
- Vacuum Cleaner

Features
- PL-d Safety performance based on ISO 12100 & IS0 14121 Standards
- High speed & cost effective
- Reliable & durable powder recoating system
- Compact size
- Designed and manufactured in accordance with GB5226.1 & GB15706 standards

P Series Specifications

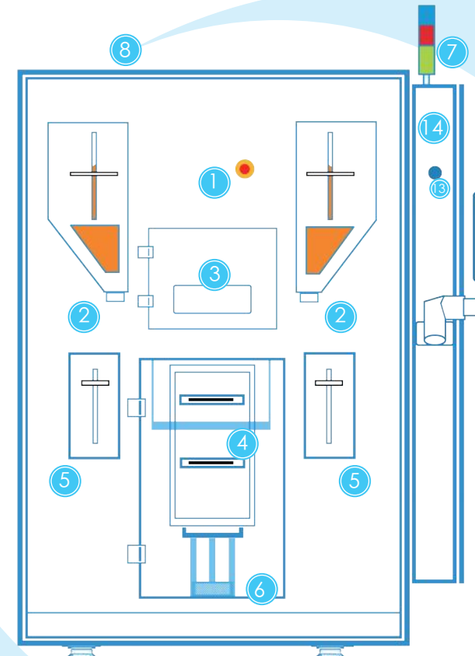




Specifications			
Model		P360	P550DL
Build Chamber Size X×Y×Z	(mm)	360×360×600	550×550×850
CO_2 Laser Power	(W)	60	140×2 Double Laser
Focus		3-axis, dynamic focusing	3-axis, dynamic focusing
Productivity	(mm/h)	10~25	15~25
Layer Thickness	(mm)	0.06-0.2 Adjustable, Recommended Values 0.12	0.06-0.2 Adjustable, Recommended Values 0.12
Laser Focus Spot	(mm)	0.25	0.4
Speed Up To	(mm/s)	15,000	22,000
Main Unit Size W×D×H	(m)	1.48×1.29×2.09	1.85×1.49×2.32
Control Unit		Integrated control unit	Integrated control unit
Main Unit Weight	(kg)	1,250	1,600
Maximum Operating Temperature Powder Bed/ Build Chamber	(℃)	230/160	230/160
Active Cooling		Yes	Yes
Thermal Management for Control Unit		Room temperature air cooling	Room temperature air cooling
Lifting Trolley		Manual	Manual
Parts Colour		White，Black or Other Colors	White，Black or Other Colors
Data Format		STL	STL
Electrical Protection		PL-d single channel sercurity control	PL-d single channel sercurity control
Powder Feeding Type		Powder discharged upside Powder fed both sides	Powder discharged upside Powder fed both sides
Recoater		Smart Blade	Smart Blade
Nitrogen Generator		Integrated	Integrated
Auto Lock for Platform		Yes	Yes
Power		380V，3P / N / PE, 32A, 50Hz, Avg 2.5kW	380V，3P / N / PE, 32A, 50Hz, Avg 2.5kW

The TPM3D digital printing is for the relevant information of this series of products only, which, at anytime, 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.

Structure of Main Unit - P Series



1 Emergency Stop Button
Terminate main unit operation in critical situation

2 Powder Feeding Bins
Storage of printing material

3 Working Chamber
Powder heating and sintering

4 Removable Build Chamber
For powder bed and built parts

5 Overflow Bin
Collect residual powder from the printing process

6 Convection Heating Chamber
Heat the build chamber and the powder to the preset temperature

7 Alarm Signal
Indicate the working status

8 Exhaust Pipe
After sintering, the hot air will come out of the exhaust pipe.

9 Touch Screen Monitor
Printing Information

10 Emergency Stop Button
Terminate contorl unit operation in critical situation

11 Main Unit Reset Button
Reboot the machine

12 Laser Switch
Turn on/off the laser with a Key

13 USB Input
Data Transfer

14 Motor Driver Unit
Mechanical movement control, including control of powder f eed ing, lifting and descending of build platform, and powder recoater's movement

TPM3D SLS Operating Process

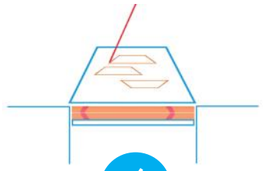
1. Data Preparation
Check and repair defects of STL 3D data

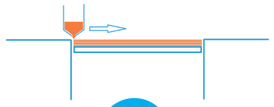


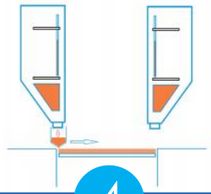
2. Generating Printing File
Part placement & slicing

3. Pre-heating
Preheat working chamber and build chamber for 2 - 3 hours









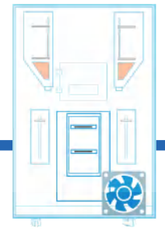
4. Powder Bed Preparation
Powder is fed from the powder feeding bins when preheating.

5. Recoating
The recoater moves from one end to the other on the platform to make the powder bed flat for sintering

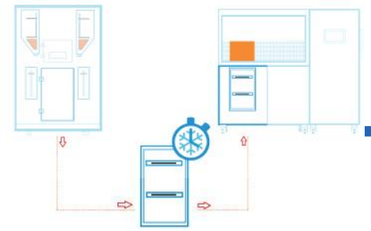
6. Sintering
The laser beam fuses the powder at exactly the points defined along the preset scan path

7. Layer By Layer
The platform descends one layer depth and then another layer of powder is applied

8.
Repeat steps 5-7

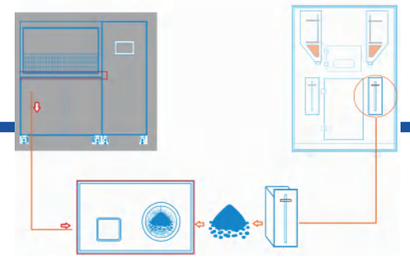


9. Cooling
Active cooling starts after sintering process completes.



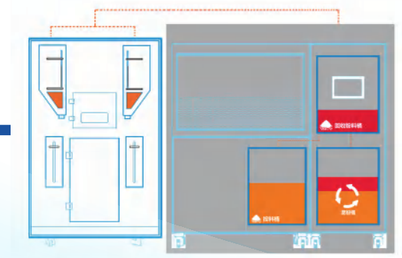
10. Take out the Removable Build Chamber
When the build chamber's temperature drops down to 80℃, take out the buid chamber and put it to Powder Processing Station.

11. Retrieving Parts
Lift the build platform to highest position, and clean out the sintered parts.



12 . Powder Recycling
Sieve the unsintered powder and convey it to mixer

13. Powder Mixing
Mix the recyded powder with the virgin powder at a set ratio



14. Filling
Convey the mixed powder to the main unit for the next print.

Clean Production Solution

Powder Processing Station (PPS)

Powder leakage poses significant challenge in the SLS production process, as it can lead to dust contamination in the workplace. As a leading manufacturer and heavy user of SLS technology, TPM3D introduced the innovative Powder Processing Station (PPS) in 2018—making it the first in the industry to offer an integrated powder management solution that directly addresses this pain point in SLS production.

After years of continuous refinement, the PPS has now been upgraded to its 3rd generation. It integrates six essential functions: part cleaning, dust collection, virgin powder addition, powder mixing, powder recycling, and powder feeding. The entire workflow is completed within the PPS, minimizing dust release and significantly reducing manual operations. In addition, the PPS V3 supports two TPM3D printers—including all models from the S&P series—making it an ideal solution for customers with multiple printers and high-volume production needs.

In summary, the PPS provides a clean, compact, automated, and efficient powder management solution, delivering a streamlined workflow for our users.



TPM3D Powder Processing Station (TPM3D PPS)		
Models		P550DL/S480/S600DL Version
Dimensions	mm	1800 (L) x 1800 (W) x 2200 (H)
Weight	kg	1600
Powder Feeding Rate	kg/h	800
Intake Pressure	MPa	≥0.5
Air Flow Requirement	L/min	≥200
Dust Explosion-Proof Grade	GB3836/12476	Dust Explosion - Proof Zone 22
Noise Level	dB	≤ 70
Power		380V, 3P/N/PE, 10A, 50/60Hz, Avg 2kW
Maximum Capacity		1 SLS System

Specialized SLS Polymer Powder

The ever-increasing materials for laser sintering in a global perspective are creating more and more possibilities for various industrial applications of laser sintering technology in different sectors. To build functional parts, the SLS material is expected to satisfy the needs of good precision and mechanical properties, which are close to those of the thermal plastics in mass production.

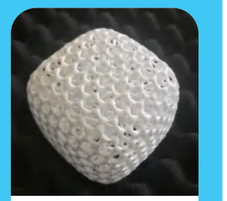
TPM3D SLS materials are stable and non-toxic, and they can be used in a wide temperature range with good flowability while there is no need for dehumidification before use. The sintered parts are also stable in size and color with good mechanical properties, and they can be easily polished, bonded, heat-welded and dyed.

Rapid-Prototyping Series


Bright White/Ash Black PA12


Aluminium Filled PA12


White TPU


White/Black TPU 88A

High Performance Production Series


Black PA11


Grey-Black Glass Filled PA12


Ash Black PA6


White PP

Special Application


White PA12 (Medical)


Flame Retartant PA12

Material Specification

Polymer Powder-PA

Specification	White PA11 Precimid1180 Grey-Black PA11 Precimid1180 BLK		White PA12 Precimid1171Pro	Grey-Black Flame Retardant PA12 Precimid1171 FR BLK	Metallic Grey Aluminum Filled PA12 Precimid1171Pro AF40	Black & White PA12 Precimid1172Pro Precimid1172Pro BLK
Mechanical Properties	Test Method	Metric	Metric	Metric	Metric	Metric
Part Color	Visual	Black/White	White	Ash Black	Metallic Grey	Black/White
Density	DIN 53466	0.96g/cm³	0.95g/cm³	1.03 g/cm³	1.36g/cm³	0.95g/cm³
Elongation at break	ASTM D638	45 %	8-15%	10%	1.5-3.5%	8-17%
Flexural Strength	ASTM D790	45 MPa	47 MPa	53 MPa	54 MPa	51 MPa
Flexural Modulus	ASTM D790	1,200 MPa	1,700 MPa	1,462 MPa	1,994 MPa	1,280 MPa
Heat Deflection Temperature 0.45Mpa	ASTM D648	193℃	167℃	188 ℃	167° C	180℃
Heat Deflection Temperature 1.82Mpa	ASTM D648	64℃	58℃	120 ℃	127° C	99℃
Tensile Modulus	ASTM D638	1,550 MPa	1,700 MPa	2,077 MPa	1,700 MPa	1,840 MPa
Tensile Strength	ASTM D638	47 MPa	46 MPa	38 MPa	32 MPa	46 MPa
IZOD Impact Strength with notch	ASTM D256	85 J/M	51 J/M	30 J/M	35 J/M	40 J/M
IZOD Impact Strength without notch	ASTM D256	No rupture occurred	338 J/M	221 J/M	241 J/m	402 J/M

Polymer Powder-PA

Specification	Grey-Black PA6 PA6X BLK	
Mechanical Properties	Test Method	Metric
Part Color	Visual	Black/Grey
Density	DIN 53466	N/A
Elongation at break	ASTM D638	17 %
Flexural Strength	ASTM D790	75 MPa
Flexural Modulus	ASTM D790	1,500 MPa
Heat Deflection Temperature 0.45Mpa	ASTM D648	190 ℃
Heat Deflection Temperature 1.82Mpa	ASTM D648	70 ℃
Tensile Modulus	ASTM D638	2,000 MPa
Tensile Strength	ASTM D638	51 MPa
IZOD Impact Strength with notch	ASTM D256	70 J/M
IZOD Impact Strength without notch	ASTM D256	450 J/M

Polymer Powder-PP

Specification	White PP PP Pro Black PP PP Pro BLK	
Mechanical Properties	Test Method	Metric
Part Color	Visual	Black & White
Density	ISO1183-1:2019:A	0.80 g/cm³
Elongation at break	ISO 527-1:2012	18 %
Flexural Strength	ISO 178:2019	30.2 MPa
Flexural Modulus	ISO 178:2019	1,100 MPa
Heat Deflection Temperature 0.45Mpa	ISO 75-1:2013	98 ℃
Heat Deflection Temperature 1.82Mpa	ISO 75-1:2020	64 ℃
Tensile Modulus	ISO 527-1:2019 & ISO 527-1:2012	1,180 MPa
Tensile Strength	ISO 527-1:2019	21.1 MPa
IZOD Impact Strength with notch	ISO 180:2019	4.5 kJ/M²
IZOD Impact Strength without notch	ISO 180:2019	21 kJ/M²

The TPM3D digital printing is for the relevant information of this series of products only, which, at anytime, 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.

TPM3D Build Different

PART 02 Additive Manufacturing System

Polymer Powder-PA

Specification	Grey-Yellow Glass Filled PA 12 Precimid1172Pro GF30 Precimid1172Pro GF30 BLK		Grey-Black PA12 Precimid1176Pro BLK		Grey-Black Glass Filled PA 12 Precimid1176Pro GF30 BLK	
Mechanical Properties	Test Method	Metric	Test Method	Metric	Test Method	Metric
Part Color	Visual	Grayish Yellow or Ash Black	Visual	Black	Visual	Grey-Black
Density	DIN 53466	1.25 g/cm³	ISO1183-1:2019:A	0.95 g/cm³	ISO1183-1:2019:A	1.25 g/cm³
Elongation at break	ASTM D638	2.6%	ISO 527-1:2012	9.3 %	ISO 527-1:2012	6.8 %
Flexural Strength	ASTM D790	63 MPa	ISO 178:2019	67 MPa	ISO 178:2019	62.6 MPa
Flexural Modulus	ASTM D790	2,800 MPa	ISO 178:2019	1,710 MPa	ISO 178:2019	2,340 MPa
Heat Deflection Temperature 0.45Mpa	ASTM D648	170 ℃	ISO 75-1:2013	165 ℃	ISO 75-1:2013	168 ℃
Heat Deflection Temperature 1.82Mpa	ASTM D648	133℃	ISO 75-1:2020	99 ℃	ISO 75-1:2020	90 ℃
Tensile Modulus	ASTM D256	3,500 MPa	ISO 527-1:2019 & ISO 527-1:2012	1,800 MPa	ISO 527-1:2019 & ISO 527-1:2012	2,300 MPa
Tensile Strength	ASTM D638	40 MPa	ISO 527-1:2019	44.3 MPa	ISO 527-1:2019	41.7 MPa
IZOD Impact Strength with notch	ASTM D256	18 J/M	ISO 180:2019	4.2 kJ/m²	ISO 180:2019	4.6 kJ/M²
IZOD Impact Strength without notch	ASTM D256	82 J/M	ISO 180:2019	23 kJ/M²	ISO 180:2019	19 kJ/M²

Commonly Used Polymer Powder Materials:

PA

White PA12	Precimid1171Pro
Metallic Grey Aluminum Filled PA12	Precimid1171Pro AF40
Grey-Black Flame Retardant PA12	Precimid1171 FR BLK
Grey-Black Glass Filled Flame Retardant PA12	Precimid1171 GF30 FR BLK
Bright White PA12	Precimid1172Pro
Grey-Black PA12	Precimid1172Pro BLK
Grey-Yellow Glass Filled PA 12	Precimid1172Pro GF30
Gray-Black Glass Filled PA12	Precimid1172Pro GF30 BLK
Grey-Black PA12	Precimid1174Pro CF
Grey-Yellow Glass Filled PA12	Precimid1176Pro BLK
	Precimid1176Pro GF30 BLK
White PA11	Precimid1180
Black PA11	Precimid1180 BLK
Grey-Black PA6	Preceimid1190
PA6X BLK	Preceimid1190 BLK

PP

White PP	PP Pro
Black PP	PP Pro BLK
Grey-White Glass Filled PP	
Grey-Black Glass Filled PP	

TPU

White TPU 88A	Precimid1130 88A
Grey-Black TPU 88A	Precimid1130 88A BLK

Upcoming Release Materials:

PA

Carbon Fiber Filled PA11	Precimid1180 CF BLK
ESD PA11	Precimid1180 ESD
Grey-Yellow Flame Retardant PA6	PA6X FR BLK
Grey-Black Glass Filled PA6	PA6X GF40 BLK
Metallic-Grey Aluminum Filled PA6	PA6X AF40
Black Carbon Fiber Filled PA6	PA6X CF15 BLK

Polyester

Natural Color PBT	TPM3D PBT
Natural Color TPC	TPM3D TPC

TPU

Natural Yellow PA12 Elastomer	Precimid1170 RL
White TPU 80A	Precimid1130 80A
Black TPU 80A	Precimid1130 80A BLK
White TPU 90A	Precimid1130 90A
White TPU 92A	Precimid1130 92A
White TPU 95A	Precimid1130 95A
Black TPU 95A	Precimid1130 95A BLK

TPA

High Performance Materials

Grey-Yellow PEKK	TPM3D PEKK IND
Black Carbon Fiber Filled PEKK	TPM3D PEKK IND CF
	TPM3D PEEK IND
	TPM3D PPS IND
	TPM3D PPS GF IND

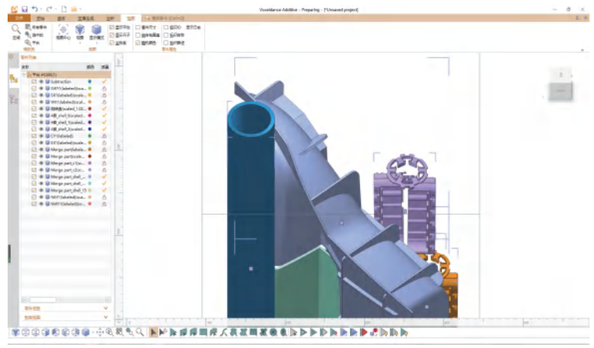
More materials to be released soon
For further information, please email us info@tpm3d.com

The TPM3D digital printing is for the relevant information of this series of products only, which, at anytime, 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.

Software

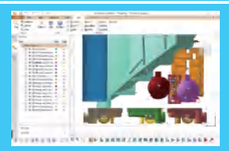
Voxeldance Additive 64bit

- 3D data processing & repairing
- Automatic & manual placement of parts
- Slicing
- Scan path setting



Preprocessing

>Three-dimensional visualization
>Automatic part placement
>One-click smart repair
>Multiple formats
>High speed computing
>Editable STL model

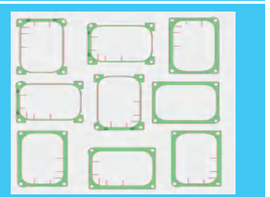






Post Processing

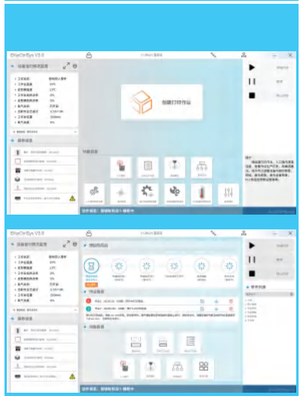
>Shrinkage rate setting
>Check for collision of parts
>Slice inspector report
>Scan path setting
>Parameters modification in real time
>Output of slice file





System Control

>Upgraded UI, Better Performance
>Temperature control
>Remote control software
>Real-time online monitoring
>Instant quote on moblie
>Parameters modification in real time



Applications

TPM3D SLS solutions have been widely used in medical applications, automotive, and aerospace industries, education, consumer goods and electronics, ect.

Automative Application



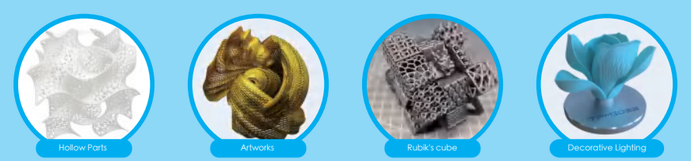
Machinery And Electronics



Medical Application



Education And Arts



Consumer Goods

