

Magforms Professional Grade 3D Printer Technical Specifications

Quick Stats



Printer	P7	P10	P13
Technology	Mask Stereolithography	Mask Stereolithography	Mask Stereolithography
Pixel Size with Imadjust ^a	17.5 um	14.85um	25.5 um
Laser Spot Size	35 um	29.7 um	51 um
Build Volume (W x D x H)	143.43 x 89.6 x 160 mm 5.64 x 3.52 x 6.3 in	228.1 x 128.3 x 250 mm 8.98 x 5.05 x 9.84 in	277.848 x 156.06 x 380 mm 10.94 x 6.14 x 14.96 in
Layer Thickness (material dependent)	25-150 um 0.001-0.006 in	25-150 um 0.001-0.006 in	25-150 um 0.001-0.006 in

Imadjust^a:Image grayscale adjust

Printing Properties

Printer	P7	P10	P13
Technology	Mask Stereolithography	Mask Stereolithography	Mask Stereolithography
Light-source	Industrial UV LED (wavelength 405nm)	Industrial UV LED (wavelength 405nm)	Industrial UV LED (wavelength 405nm)
Build Volume (W x D x H)	143.43 x 89.6 x 160 mm 5.64 x 3.52 x 6.3 in	228.1 x 128.3 x 250 mm 8.98 x 5.05 x 9.84 in	277.848 x 156.06 x 380 mm 10.94 x 6.14 x 14.96 in
Layer Thickness (material dependent)	25-150 um 0.001-0.006 in	25-150 um 0.001-0.006 in	25-150 um 0.001-0.006 in
LCD Resolution	4098 x 2560(4K)	7680×4320 (8K)	5448×3064 (6K)
Pixel Size with Imadjust ^a	17.5 um	14.85in	25.5 um
Laser Spot Size	35 um	29.7um	51 um
Printing speed (material dependent)	MAX 60mm/h	MAX 60mm/h	MAX 60mm/h
Material	405nm UV Resin	405nm UV Resin	405nm UV Resin

Imadjust^a:Image grayscale adjust

Hardware

Printer	P7	P10	P13
Printer Dimensions (W × D × H)	230 x 230 x 420 mm 9.0 x 9.0 x 16.5 in	355 x 380 x 610 mm 14.0 x 15.0 x 24.0 in	500 x 420 x 769mm 19.7 x 16.5 x 30.3 in
Net Weight	7.5 kg 16.5 lbs	25 kg 55.1 lbs	58 kg 127.9 lbs
Internal Temperature	Auto-heats to 38 °C Auto-heats to 100 °F	Auto-heats to 38 °C Auto-heats to 100 °F	Auto-heats to 35 °C Auto-heats to 95 °F
Temperature Control	Air-heated print chamber	Air-heated print chamber	Air-heated print chamber
Air Purifier	\	Built-in Active Carbon	Built-in Active Carbon
Operating Environment ^a	18 - 28 °C 64 - 82 °F	18 - 28 °C 64 - 82 °F	18 - 28 °C 64 - 82 °F
Power Requirements	DC 24 V 5 A 120 W	110-240 VAC 1.6 A(220V) 50/60 Hz 350 W(220V)	220-240 VAC 1.6 A 50/60 Hz 350 W
Light-source Specifications	xMat light source 405nm wavelength	xMat light source 405nm wavelength	91 units LED light matrix 405nm wavelength
Connectivity	USB 2.0	USB 2.0 Ethernet WiFi	USB 2.0
Printer Control	2.8 inch Touch Screen	5.0 inch Touch Screen	5.0 inch Touch Screen

Operating Environment^a: It will be slightly different due to different environment temperature.

Magforms 专业级 3D打印机技术规格



快速统计

打印机	P7	P10	P13
技术	mSLA技术	mSLA技术	mSLA技术
灰度管理XY像素尺寸	17.5 um	14.85um	25.5 um
像素点尺寸	35 um	29.7 um	51 um
构造体积(W x D x H)	143.43 x 89.6 x 160 mm 5.64 x 3.52 x 6.3 in	228.1 x 128.3 x 250 mm 8.98 x 5.05 x 9.84 in	277.848 x 156.06 x 380 mm 10.94 x 6.14 x 14.96 in
分层厚度(取决于材料)	25-150 um 0.001-0.006 in	25-150 um 0.001-0.006 in	25-150 um 0.001-0.006 in

打印属性

打印机	P7	P10	P13
技术	mSLA技术	mSLA技术	mSLA技术
光源	工业级光源（波长405nm）	工业级光源（波长405nm）	工业级光源（波长405nm）
构造体积(W x D x H)	143.43 x 89.6 x 160 mm 5.64 x 3.52 x 6.3 in	228.1 x 128.3 x 250 mm 8.98 x 5.05 x 9.84 in	277.848 x 156.06 x 380 mm 10.94 x 6.14 x 14.96 in
分层厚度(取决于材料)	25-150 um 0.001-0.006 in	25-150 um0.001-0.006 in	25-150 um 0.001-0.006 in
液晶屏幕分辨率	4098 x 2560(4K)	7680×4320 （8K）	5448×3064 （6K）
灰度管理XY像素尺寸	17.5 um	14.85in	25.5 um
像素点尺寸	35 um	29.7um	51 um
打印速度(取决于材料)	最大60mm/h	最大60mm/h	最大60mm/h
材料	405nm UV树脂	405nm UV树脂	405nm UV树脂

硬件

打印机	P7	P10	P13
打印机尺寸(W × D × H)	230 x 230 x 420 mm 9.0 x 9.0 x 16.5 in	355 x 380 x 610 mm 14.0 x 15.0 x 24.0 in	500 x 420 x 769mm 19.7 x 16.5 x 30.3 in
净重	7.5 kg 16.5 lbs	25 kg 55.1 lbs	58 kg 127.9 lbs
内部温度 ¹	自动加热到38℃ 自动加热到100°F	自动加热到38℃ 自动加热到100°F	自动加热到35℃ 自动加热到95°F
温度控制	空气加热打印室	空气加热打印室	空气加热打印室
空气过滤	无	内置活性炭	内置活性炭
操作环境	18 - 28 °C 64 - 82 °F	18 - 28 °C 64 - 82 °F	18 - 28 °C 64 - 82 °F
供电要求	DC 24 V 5 A 120 W	110-240 VAC 1.6 A(220V) 50/60 Hz 350 W(220V)	220-240 VAC 1.6 A 50/60 Hz 350 W
光源规格	阵面光源 405nm波长	阵面光源 405nm波长	91颗LED矩阵光源 405nm波长
连接方式	USB 2.0	USB 2.0 以太网 无线网络	USB 2.0
打印机控制	2.8英寸触摸屏	5.0英寸触摸屏	5.0英寸触摸屏

内部温度¹:环境温度不同，略有变化。