

Magforms Professional Grade 3D Printer Technical Specifications



Quick Stats

Printer

P13 Pro

P13

Technology

Mask Stereolithography

Mask Stereolithography

Pixel Size with Imadjust^a

10x13um

25.5um

Laser Spot Size

20x26um

51um

Build Volume (W x D x H)

302.4 x 161.98 x 380 mm
11.9 x 6.38 x 14.96 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

Imadjust^a: Image grayscale adjust

Printing Properties

Printer	P13 Pro	P13
Technology	Mask Stereolithography	Mask Stereolithography
Light-source	Industrial UV LED (wavelength 405nm)	Industrial UV LED (wavelength 405nm)
Build Volume (W x D x H)	302.4 x161.98 x380 mm 11.9 x 6.38 x 14.96 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
LCD Resolution	15120 x 6230(16K)	5448×3064 (6K)
Pixel Size with Imadjust ^a	10 x 13um	25.5um
Laser Spot Size	20 x 26um	51um
Printing speed (material dependent)	MAX 60mm/h	MAX 60mm/h
Material	405nm UV Resin	405nm UV Resin

Hardware

Printer	P13 Pro	P13
Printer Dimensions (W × D × H)	500 x 420 x 769mm 19.7 x 16.5 x 30.3 in	500 x 420 x 769mm 19.7 x 16.5 x 30.3 in
Net Weight	58 kg 127.9 lbs	58 kg 127.9 lbs
Internal Temperature	Auto-heats to 35 °C Auto-heats to 95 °F	Auto-heats to 35 °C Auto-heats to 95 °F
Temperature Control	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
Power Requirements	220-240 VAC 1.6 A 50/60 Hz 350 W	220-240 VAC 1.6 A 50/60 Hz 350 W
Light-source Specifications	91 units LED light matrix 405nm wavelength	91 units LED light matrix 405nm wavelength
Connectivity	USB 2.0	USB 2.0
Printer Control	5.0 inch Touch Screen	5.0 inch Touch Screen

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