

Magforms Professional Grade 3D Printer Technical Specifications



Quick Stats

Printer

P10 Pro

P13 Pro

Technology

Mask Stereolithography

Mask Stereolithography

Pixel Size with Imadjust^a

14.85 μm

10x13 μm

Laser Spot Size

29.7 μm

20x26 μm

Build Volume (W x D x H)

228.1 x 128.3 x 250 mm
8.98 x 5.05 x 9.84 in

302.4 x 161.98 x 380 mm
11.9 x 6.38 x 14.96 in

Layer Thickness
(material dependent)

25-150 μm
0.001-0.006 in

25-150 μm
0.001-0.006 in

Imadjust^a: Image grayscale adjust

Printing Properties

Printer	P10 Pro	P13 Pro
Technology	Mask Stereolithography	Mask Stereolithography
Light-source	Industrial UV LED (wavelength 405nm)	Industrial UV LED (wavelength 405nm)
Build Volume (W x D x H)	228.1 x 128.3 x 250 mm 8.98 x 5.05 x 9.84 in	302.4 x161.98 x380 mm 11.9 x 6.38 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	7680×4320 (8K)	15120 x 6230(16K)
Pixel Size with Imadjust ^a	14.85um	10 x 13um
Laser Spot Size	29.7um	20 x 26um
Printing speed (material dependent)	MAX 60mm/h	MAX 60mm/h
Material	405nm UV Resin	405nm UV Resin

Hardware

Printer	P10 Pro	P13 Pro
Printer Dimensions (W × D × H)	365 x 380 x 610 mm 14.4 x 15.0 x 24.0 in	500 x 420 x 769mm 19.7 x 16.5 x 30.3 in
Net Weight	25.5 kg 56.2 lbs	58 kg 127.9 lbs
Internal Temperature	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 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	xMat light source 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.