

Technical specifications for Primeprint Solution

Hardware / Software	
PC requirements	inLab PC ≥ 5.0 or inLab 4 PC with Performance Package
Software requirements	CEREC Software 5.2.3 or inLab CAD Software 22.1x, inLab Apps 22.0.x, inLab CAM SW 22.1x
Primeprint	
Dimensions WxHxD (in mm)	530 x 670 x 515
Dimensions WxHxD (in inches)	20.86 x 26.37 x 20.27
Weight	41 kg / 90.38 lb
Nominal system voltage	AC 100 V... 240 V
Nominal system frequency	50/60Hz
Rated current	2.0 A - 0.85 A
Ports	USB type A, USB type B, LAN connection via RJ45, power connection
Printer control	7" color touchscreen
Print technology	Digital Light Processing
Wavelength	365 nm
Projector resolution	1920 x 1080 pixel ("Full HD")
Layer thickness	50 µm, 100 µm, 200 µm
Pixel size	70 µm
Print volume WxHxD	134 x 150 x 76 (in mm) / 5.28 x 5.91 x 2.99 (in inches)
Resin fill system	Automated, cartridge-based
Foil lifetime	> 250 print jobs
Integrated filters	Activated carbon filter, air filter
Quality protocol	Available for every print job, based on RFID tag information
Sensing and monitoring System	Resin level, cartridge volume and resin type, filter lifetime, light source power, status of Primeprint Box and Material Unit

Primeprint PPU	
Dimensions WxHxD (in mm)	730 x 670 x 515
Dimensions WxHxD (in inches)	28.74 x 26.37 x 20.27
Weight	50 kg / 110.23 lb
Nominal system voltage	AC 100 V... 240 V
Nominal system frequency	50/60Hz
Rated current	4.2 - 2.2 A
Ports	USB type A, USB type B, LAN connection via RJ45, power connection, nitrogen port
Control	7" color touchscreen, automated assignment of wash and post-processing exposure settings
Post-processing volume WxHxD	134 x 150 x 76 (in mm) / 5.28 x 5.91 x 2.99 (in inches)
Cleaning agent volumes	2.5 L per container
Number of washing containers	2 per material
Compatible cleaning agent	Isopropyl, 99%
Post-curing atmosphere	Nitrogen atmosphere created by purity level 2.6 nitrogen, equivalent to 99.6%
Nitrogen pressure	4-8 bar
Post-curing temperature	up to 80°C / 176 °F
Integrated filters	Activated carbon filter, ozone filter
Quality protocol	Available for every print job, based on RFID tag information
Sensing and Monitoring System	Solvent level, solvent saturation, flashlight lifetime, filter lifetime

Material			
Cartridge dimensions WxHxD (in mm)	260 x 40x 150		
Cartridge dimensions WxHxD (in inches)	10.24 x 1.57 x 5.90		
Resin amount per cartridge	1 kg		
Available materials and colors			
		Medical product class MDR	Medical product class FDA
	Primeprint Tray	I	I
	Primeprint Model T	TEC resin	TEC resin
	Primeprint Guide	Ila	I
	Primeprint Splint	Ila	I
	Primeprint Model	TEC resin	TEC resin