

# Forge1 Technical Specifications

Printer	Forge1	
Build Volume (W × D × H)	Single Extruder Print	Dual Extruder Print
	300 × 300 × 300 mm	255 × 300 × 300 mm
Machine Size (W × D × H)	620 × 626 × 1390 mm	
Net Weight	75 Kg	
Electrical	Power Supply Input	100-240 V AC, 50/ 60 Hz 230 V @ 3.3 A
	Power Supply Output	24 V DC, 350 W
General	Print Technology	FFF
	Print Head System	Dual-head with electronic lifting system
	Filament Diameter	1.75 mm
	XYZ Step Size	0.78125, 0.78125, 0.078125 micron
	Print Head Travel Speed	30-150 mm/s
	Build Plate	Glass Build Plate
	Max Build Plate Temperature	120°C
	Heated Bed Material	Silicone
	Build Plate Leveling	Auto-Leveling
	Filament Run-out Sensor	Available
	Supported Materials	Ultrafuse® 316L, Ultrafuse® 17-4 PH, Ultrafuse® Support Layer
	Layer Height	0.1-0.25 mm
	Nozzle Diameter	0.4 mm (Default), 0.6/ 0.8 mm (Available)
	Max Nozzle Temperature	300°C
	Connectivity	Wi-Fi, LAN, USB port, Live camera
	Noise Emission (Acoustic)	< 55 dB (A) when building
	Operating Ambient Temperature	15-30°C, 10-65% RH non-condensing
Storage Temperature	-25°C to +55°C, 10-65% RH non-condensing	
Filter	HEPA filter with activated charcoal	
EVE Smart Assistant	Available	
Software	Slicing Software	ideaMaker
	Supported File Types	STL/ OBJ/ 3MF/ OLTP
	Supported OS	Windows
	Machine Code Type	GCODE
Printer Controller	User Interface	7-inch Touch Screen
	Network	Wi-Fi, Ethernet
	Power Loss Recovery	Available
	Screen Resolution	1024 × 600
	Motion Controller	Atmel ARM Cortex-M4 120 MHz FPU
	Logic Controller	NXP ARM Cortex-A9 Quad 1 GHz
	Memory	1 GB
	Onboard Flash	16 GB
	OS	Embedded Linux
Ports	USB 2.0 × 2, Ethernet × 1	