

TECHNICAL SPECIFICATIONS



100 Series
WORKTABLE



200 Series
WORKBENCHCLASSIC



300 Series
WORKBENCHPRO



400 Series
WORKBENCHXTREME

SIZE & MECHANICAL FEATURES				
Print Width	1000 mm (39.3 in)	1000 mm (39.3 in)	1000 mm (39.3 in)	1000 mm (39.3 in)
Print Length	1000 mm (39.3 in)	1000 mm (39.3 in)	1000 mm (39.3 in)	1500 mm (59.0 in)
Print Height	500 mm (19.6 in)	500 mm (19.6 in)	700 mm (27.5 in)	700 mm (27.5 in)
Build Volume ⁵	0.5 m ⁵	0.5 m ⁵	0.7 m ⁵	1.05 m ⁵
Mechatronics: Standard	Standard	Standard	X	X
Mechatronics: Enhanced	X	X	Standard	X
Mechatronics: Premium	X	X	X	Standard
Build Platform	Heated Borosilicate Glass (standard)			
Bed Leveling: Mechanical	included	included	included	included
Bed Leveling: Automatic Mesh Leveling	X	Standard	Standard	Standard
Frame	Maker Frame	Workbench	Workbench	Enhanced Workbench
PRINT PROCESS ATTRIBUTES				
Printer Type	Fused Filament Fabrication (FFF)			
Slicing Software	Open Market Software			
Build Materials	Open Market Materials			
Extruder Type	Single or Dual Head	Single or Dual Head, High Volume (HFE)	Single or Dual Head, High Volume (HFE)	Single or Dual Head, High Volume (HFE)
Volcano	Standard	Standard	option	option
HFA	option	option	Standard	Standard
HFE300	X	option ⁶	option	option
HFE900	X	option ⁶	option	option
Max Bed Temp	145°C (293°F)			
Max Nozzle Temp (Volcano)	295°C (563°F)			
Max Nozzle Temp (HFA/HFE)	400°C (752°F)			
Layer Resolution	Down to 100 microns (0.038 in)	Down to 50 Microns (0.0019 in)	Down to 50 Microns (0.0019 in)	Down to 50 Microns (0.0019 in)
CONTROL & FEATURES				
Controls: LCD Display with 8-bit, 16 MHz ATmega2560 processor, 8 KB RAM	Standard	X	X	X
Controls: 178 mm (7 in) Touch Screen with 32-bit, 120MHz ARM Cortex M4 processor, 128 KB RAM	X	Standard	Standard	Standard
Data Transfer Method	SD Card or USB	SD Card, USB, Wi-Fi	SD Card, USB, Wi-Fi	SD Card, USB, Wi-Fi
Wi-Fi	External Add-on	Built-In	Built-In	Built-In
Certifications	CE			
Power Input ⁷	208 - 240V, 15A, 50/60 Hz, 1 Phase			
Ambient Operating Temp	15 - 32°C (60 - 90°F)			
Motors: Step Motor	Standard	X	X	X
Motors: SurePrint Servo®	Upgrade	Standard	Standard	Standard
ACCESSORIES				
Enclosure Compatibility	Yes (adapter kit needed)	Yes	Yes	Yes
Feed System - Free Hang	Standard	X	X	X
Feed System - Bowden Style Tubes	X	Standard	Standard	Standard
Filament Sensor	As Accessory	Standard	Standard	Standard
Feet - stationary	Standard	X	X	X
Feet - Casters	As Accessory	Standard	Standard	Standard
PHYSICAL DIMENSIONS & WEIGHT				
Overall Width	1475 mm (58 in)	1475 mm (58 in)	1475 mm (58 in)	1475 mm (58 in)
Overall Length	1425 mm (56 in)	2286 mm (90 in)	2286 mm (90 in)	2286 mm (90 in)
Overall Height (max)	1900 mm (75 in)	1900 mm (75 in)	2100 mm (83 in)	2100 mm (83 in)
Approx Weight	136 kg (300 lb)	246 kg (540 lb)	246 kg (540 lb)	246 kg (540 lb)
Shipping Weight (max)	317 kg (700 lb)	450 kg (990 lb)	450 kg (990 lb)	450 kg (990 lb)

5. When multiple HFE extruders are used, the build size is slightly reduced. Consult factory for details.

6. Without enhanced mechatronics of 300/400 system, maximum velocity and acceleration may be limited for HFA and HFE extruders. Consult factory for details.

7. HFE extruders consume more power. Consult factory for details.