Technical Data Sheet

SideKick 747 STANDARD

Printer Specifications

3D Printing Technology	Fused Filament Fabrication (FFF)
Build Volume	232 x 232 x 248 mm (9.13 x 9.13 x 9.76 inches)
Movement System	GT2 Belt Drive with Delrin V-Wheels and Aluminum Extrusion
Operating Temperature Range	From 5°C to 45°C (41°F to 113°F)
Maximum Travel Speed	300mm/s (Firmware Limited)
Bed Leveling System	Automatic BLTouch 16-Point Mesh
Calibration	Automatic X-Axis Tramming, Z-Offset Wizard
Connectivity	USB Serial and 8GB SD Card
Mainboard	8-bit Einsy Retro with Trinamic TMC2130 drivers for quiet printing

Print Bed Surface	Magnetic Flex Bed System
Print Bed Heater	225W 24V Silicon
Maximum Print Surface Temperature	Up to 110°C (230°F)

Standard Equipped Layer Resolution	0.1mm (100 microns) to 0.4mm (400 microns)
Minimum Possible Layer Resolution	0.05mm (50 microns)
XYZ Positional Resolution	X and Y axes - 0.01mm (10 microns) Z axis - 0.005mm (5 microns)

Factory Equipped Tool Head

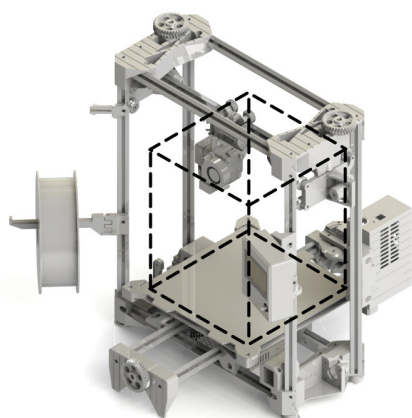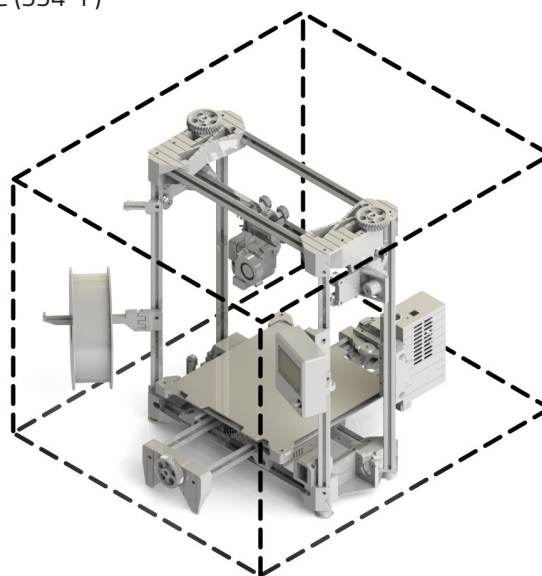|	
Default Tool Head	SK175
Nozzle Diameter	0.5 mm
Filament Diameter	1.75 mm
Maximum Extrusion Rate	14.3 mm3/s (61 g/hr)
Nozzle Material	Nickel Plated Brass
Nozzle Temperature	Up to 290°C (554°F)

Additional Tool Heads Available - See Next Page

Print Area
232 x 232 x 248 mm^3
(9.13 x 9.13 x 9.76 in^3)

Operating Footprint
615 x 635 x 615 mm^3
(24.2 x 24.8 x 24.2 in^3)

Galaxy Tool Head Options

Galaxy Series Tool Heads are built to be user friendly and and reliable. Quick filament loading and repeatable tension settings save time and reduce errors. Its compact design ensures quiet operation, stable print temperatures, and easy nozzle swaps— maximizing uptime and print quality.

Meteor 285 | Nickel Plated Brass | 0.5 mm
Superior TPU and flexible filament compatibility.

Meteor 175 | Nickel Plated Brass | 0.5 mm
Print a wide variety of materials and colors, with ease.

Asteroid 285 | GammaMaster® | 1.2 mm
Design, print, and iterate large 3D prints at incredible speed with this high-output Tool Head.

*Twin Nebula 175 | Nickel Plated Brass | 0.5 mm
True multi-material printing with the widely available 1.75mm filament. Great for use with PVA supports or combining rigid and flexible materials.
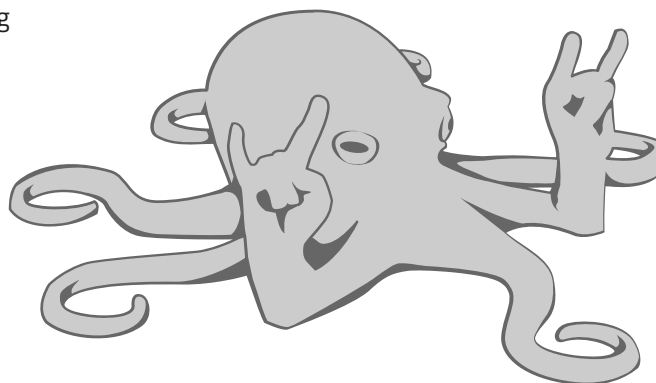
*Twin Nebula 285 | Nickel Plated Brass | 0.5 mm
True multi-material printing with 2.85mm filament for superior TPU performance. Great for use with PVA supports or combining rigid and flexible materials.

*Not compatible with Sidekick 747

Scan the QR code
for Tool Head models

Material Compatibility

Open filament system capability	PLA, TPU, ABS, PETg, PVA, PVB, Nylon, PC, and others below 290°C

Software

Operating System Capability	Windows, Mac, GNU/Linux
Recommended Software	Cura LulzBot Edition, Version 4.13 or newer
Firmware	Marlin
Supported File Types	.stl, .3mf, .obj, .x3d

Electrical

Power Requirements	100VAC - 240VAC
Output	24 volt DC, 350 watts, 6.8 amps
Power Supply	350W 24V Mean Well, Manual-Switching

Safety and Compliance

Certifications	Available upon Request
Warranty	Includes one-year warranty and access to technical support five days a week. Optional one, two, or three-year extended warranties available.
Country of Origin	USA - Fargo, ND

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