LULZBOT TAZ 8

Technical Data Sheet

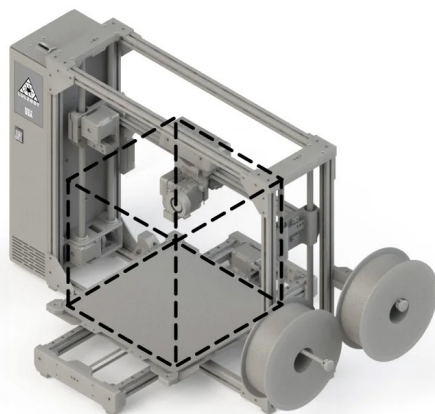## Printer Specifications

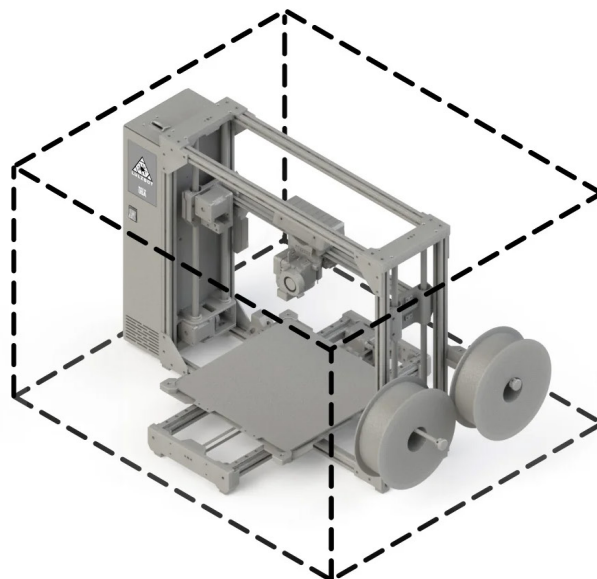|	
3D Printing Technology	Fused Filament Fabrication (FFF)
Build Volume	295 x 295 x 285 mm³ (11.5 x 11.5 x 11.2 in³)
Movement System	GT2 Belt Drive, Linear Rails X&Y, 12 mm Igus SST Rods and Polymer Bushings
Operating Temperature Range	From 5°C to 45°C (41°F to 113°F)
Maximum Travel Speed	500mm/s (Firmware Limited)
Bed Leveling System	Automatic BLTouch 32-Point Mesh
Calibration	Automatic X-Axis True Tramming, Z-Offset, Backlash Compensation
Connectivity	USB Serial and 8GB SD Card (Wi-Fi Connectivity Kit Available)
Mainboard	32-bit Archim 2.2b with Trinamic TMC2130 drivers and Xpand board
Enclosure	TAZguard Enclosure Available for Purchase
Print Bed Surface	Magnetic Flex Bed System
Print Bed Heater	360W 24V Silicon
Maximum Print Surface Temperature	Up to 110°C (230°F)
Standard Equipped Layer Resolution	0.10 mm - 0.40 mm (0.004 in - 0.016 in)
Minimum Possible Layer Resolution	0.05 mm (0.002 in) with Nozzle Kit
XYZ Positional Resolution	X and Y axes - 0.01mm (10 microns) Z axis - 0.002mm (2 microns)

Factory Equipped Tool Head

Default Tool Head	Any Galaxy Series Tool Head (See Following Section)
Nozzle Diameter	0.5 mm Standard (Tool Head Dependent)
Filament Diameter	2.85 mm or 1.75 mm (Tool Head Dependent)
Maximum Extrusion Rate	14.3 mm3/s (61 g/hr) - 50.1 mm3/s (211 g/hr)
Nozzle Material	Nickel-Plated Brass or GammaMaster® Steel
Nozzle Temperature	Up to 290°C (554°F)

Additional Tool Heads Available - See Next Page

Print Area
295 mm x 295 mm x 285 mm³
(11.5 x 11.5 x 11.2 in³)

Operating Footprint
850 x 720 x 610 mm³
(33.5 x 28.5 x 23.5 in³)

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.

Scan the QR code
for Tool Head models
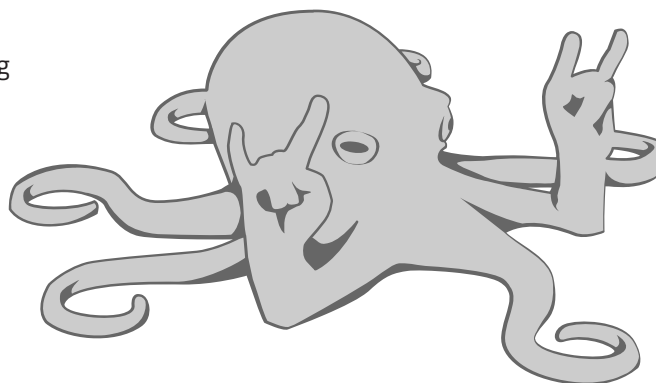
Twin Nebula 175 | Nickel Plated Brass | 0.5 mm
True multi-material printing with the widely available 1.75mm filament. Great for use with PVA supports or combining rigid and flexible materials.

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.

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, 500 watts, 21 amps
Power Supply	500W 24V Mean Well, Auto-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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