

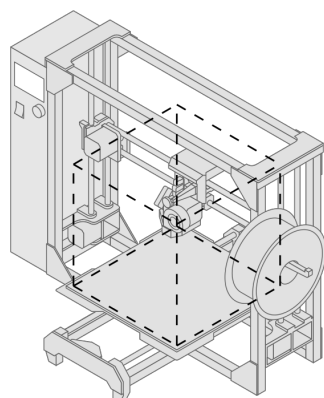


Printer Specifications

3D Printing Technology	Fused Filament Fabrication (FFF)
Build Volume	280 x 280 x 285 mm ³ (11.02 x 11.02 x 11.02 in ³)
Movement System	GT2 Belt Drive with Igus SST Rods and Plymer Bushings
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 5V Circuit, 4-Point mesh
Calibration	Intelligent X-Axis Trimming, Z-Offset, Backlash Compensation
Connectivity	USB Serial and SD Card
Mainboard	8-bit RAMBo v1.4A
Enclosure	Workhorse+ 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	0.1 (100 microns) to 0.4mm (400 microns)
Minimum Possible Layer Resolution	0.05 mm (0.002 in) with Optional Nozzle Kit
XYZ Positional Resolution	X and Y axes - 0.01 mm (10 microns) Z axis - 0.002 mm (2 microns)

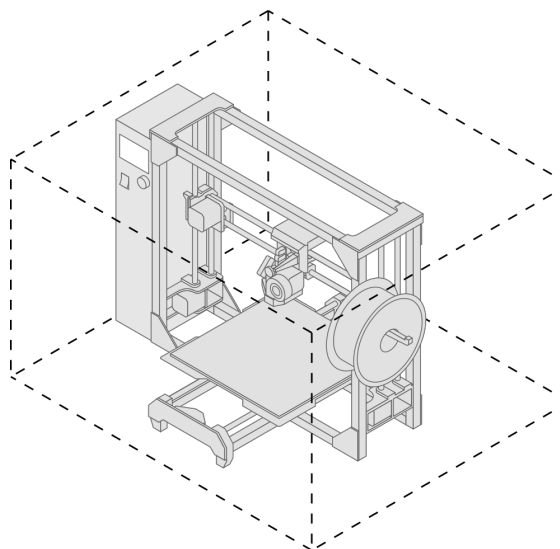
Factory Equipped Tool Head

Default Tool Head	Meteor 285
Nozzle Diameter	0.5 mm
Filament Diameter	2.85 mm
Maximum Extrusion Rate	18.1 mm ³ /s (77 g/hr)
Nozzle Material	Nickel Plated Brass
Nozzle Temperature	Up to 290°C (554°F)
Additional Tool Heads Available - See Next Page	



Print Area

280 mm x 280 mm x 285 mm³
 (11.02 x 11.02 x 11.22 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 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.

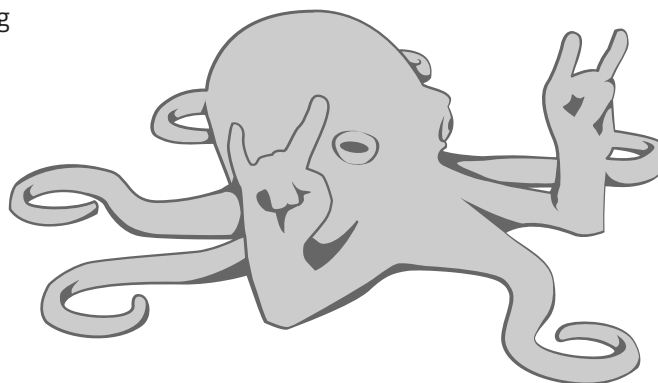
***Twin Nebula 285 | Nickel Plated Brass | 0.5 mm**

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 Wokrhorse +*



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 Klipper
Supported File Typesstl, .3mf, .obj, .x3d

Electrical

Power Requirements 100VAC - 240VAC
Output 24 volt DC, 500 watts, 21 amps
Power Supply Auto-switching MEAN WELL RSP-500-24

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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