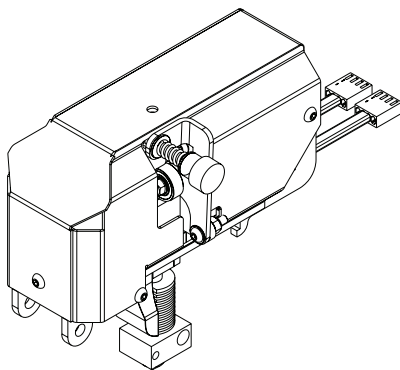




TOOLHEADS

Technical Specification

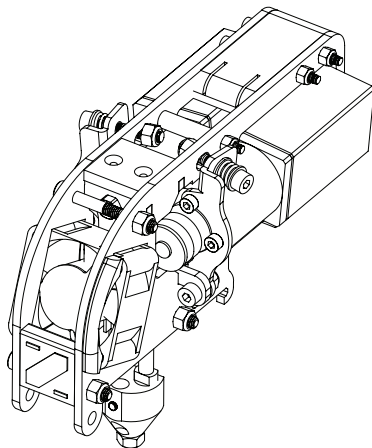
Single Extruder Toolhead 1.75



SPECIFICATION

| | |
|----------------------|---|
| Construction: | High-quality aluminium frame with powdered coated casing |
| Hot End: | Zmorph interchangeable hotends |
| Temperature control: | 1 thermistor |
| Temperature range: | 0 – 250°C |
| Nozzle: | 0.3, 0.4, 0.6 mm |
| Motor: | NEMA 17 stepper drive |
| Extrusion: | Direct Drive |
| Work area: | up to 235 x 250 x 165 mm |
| Extruder dimensions: | 57 x 126 x 113 mm |
| Materials: | PLA, ABS, Nylon, PET-G, ASA, PMMA, TPE, PC, PC-ABS, PP, PVA, HIPS |

Dual Extruder Toolhead



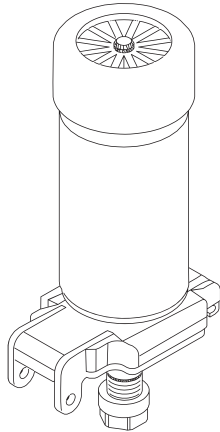
SPECIFICATION

| | |
|----------------------|--|
| Construction: | High-quality aluminium frame with powdered coated casing |
| Hot End: | Zmorph interchangeable hotends |
| Temperature control: | 1 thermistors |
| Temperature range: | 0 – 250°C |
| Nozzle: | 0.3, 0.4, 0.6 mm |
| Motor: | Nema 17 stepper motor |
| Extrusion: | Direct Drive |
| Work area: | up to 235 x 250 x 165 mm |
| Extruder dimensions: | 57 x 126 x 113 mm |
| Materials | PLA-PLA, ABS-HIPS, PLA-PVA, ABS-ABS |





CNC Milling Toolhead

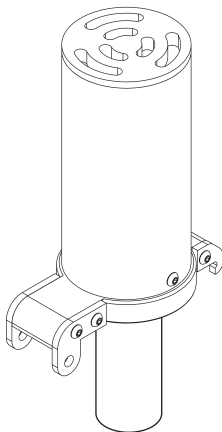


SPECIFICATION

| | |
|----------------------------|-----------------------------------|
| Construction: | Stainless steel housing |
| Hot End: | ER-11 1/8" collet |
| Spindle motor: | DC motor |
| Power: | 300 W |
| Default work speed: | 5 mm/s |
| Max work speed: | 120 mm/s |
| Work area: | up to 235 x 250 x 85 mm |
| Recommended cutting depth: | 0.5 mm for soft wood and polymers |
| Max cutting depth: | 15 mm for \varnothing 3 mm bit |
| Dimensions: | 90 x 55 x 175 mm |

Materials: wood, plywood, wood fiber boards
ABS, nylon, HDPE, PTFE, PC, PP, POM, PMMA, PVC, HIPS, LDPE, PET
carbon fiber laminate, copper clad laminate FR4, Dibond, TCF
aluminum, brass, copper
cardboard, machining wax, modelling board, styrodur

Laser Toolhead



SPECIFICATION

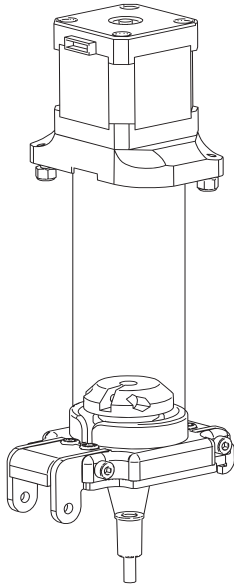
| | |
|----------------------------|----------------------------------|
| Construction: | High quality CNC-milled aluminum |
| Laser type: | 2.8W class 4 Blue Laser |
| Default work speed: | 15 mm/s |
| Max work speed: | 120 mm/s |
| Work area: | up to 250 x 235 x 85 mm |
| Recommended cutting depth: | 1 mm for cardboard |
| Max cutting depth: | 5 mm for cardboard |
| Dimensions: | 90 x 55 x 165 mm |

Materials: wood, plywood, wood fibre boards
EPP, EVA foam
leather, felt, laser foil,
cardboard, foamiran





Thick Paste Extruder Toolhead



SPECIFICATION

| | |
|----------------------------------|--|
| Construction: | 3 mm aluminum base with ABS printed parts |
| Nozzle: | 2 mm, 4 mm |
| Motor: | Nema 17 stepper motor |
| Default work speed: | 10 mm/s (depends on the material) |
| Extrusion: | Direct Drive |
| Work area: | up to 250 x 235 x 165 mm (without covers) |
| Recommended printing resolution: | 2 mm layer height (2000 microns) |
| Supported printing resolution: | 0.5 - 4 mm layer height (500 - 4000 microns) |
| Material capacity: | 100 ml |
| Extruder dimensions: | 90 x 55 x 271 - 380 mm |
| Materials: | ceramics, chocolate spread, chocolate and sugar toppings, cookie dough |

