

SMART3D Macro Models



Prototyping Unit High Temperature

Definition

| | |
|-------------------|--|
| Target users | Designers, Engineers |
| Space | Office |
| Main industries | Automotive Aerospace Medical |
| Main applications | Functional prototypes Resistant parts |

Specifications

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|-----------------------------|--|
| Technology | Fused Filament Fabrication (FFF) |
| Build volume | W: 350 mm - D: 350 mm - H: 400 mm W: 13.8" - D: 13.8" - H: 15.7" |
| Filament diameter | 1.75mm |
| Print head | Dual extrusion with automatic nozzle lifting |
| Maximum nozzle temperature | 500°C |
| Maximum chamber temperature | 200°C, actively controlled |
| Layer resolution | Up to 20 µm |
| Extrusion flow | 47 mm ³ /s (default) – 120 mm ³ /s (accessory) |
| Accuracy | 0.05 mm |
| Bed leveling | Automatic |
| Air filtration | HEPA filter and activated carbon |
| Supported materials | All Smart3D Materials All third-party FFF polymer materials |
| XY motion | Precision linear guides / hybrid motors |
| Z motion | Precision leadscrews |
| Display | 7" capacitive touch screen |
| Monitoring | Live camera |
| Smart3D Dry-Feeds (2X) | Moisture protection and advanced sensors |
| Connectivity | Ethernet, WiFi, USB, USB drive, NFC |
| Power requirements | 110/230V, 50-60Hz |
| Supplied software | Smart3D Slicer, Smart3D Cloud, Smart3D LAN |