



Production Module High Temperature Definition

Target user	Production Engineer
Space	Factory
Main industries	Manufacturing Automotive Aerospace Medical Railway
Main applications	Low volume manufacturing

Specifications

Technology	Fused Filament Fabrication (FFF)
Build volume per print chamber	W: 350 mm - D: 350 mm - H: 400 mm W: 13.8" - D: 13.8" - H: 15.7"
Print chambers	4
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
Dedicated computer	Yes
Displays	4 1" LCDs
Monitoring	Live camera
Material drying	Built-in Hybrid Drying Technology™
Material capacity	4 spools per print chamber
Material backup	Automatic
Connectivity	Ethernet, WiFi, USB, USB drive, NFC
Power requirements	Three-phase
Supplied software	Smart3D Slicer, Smart3D Cloud, Smart3D LAN, Smart3D Serverless, Print Queuing