

NEXUS NOVA 3D MICRO-FACTORY DATA SHEET

THE PRINTING MODULE IS ALSO COMPATIBLE WITH OUR NOVA DUAL-HEAD 3D PRINTER.

PROPERTIES

Technology	FDM – Filament deposition
External frame	Steel
Integrated High Speed option	Printing speed up to 800 mm/s Acceleration up to 20,000 mm/s ²
Smoke extraction	Integrated fans - Connection to an external system on request
Fans	2 x Radial PWM 120 mm
Filtration – Air extraction	Activated carbon and HEPA H13 certified EN-1822
Filtration – Air intake	Particle filter 45 PP
Print constants	Real-time display of temperature and humidity
Processor	4-core 64-bit
Mobility	Adjustable feet
Cooling system for electronics	Yes
Types of printers	Cosmyx printers – Others not compatible
Automation in option	Parts retrieval system, conveyor or Fanuc collaborative robot
Module warranty	1 year
Printers warranty	2 years – 1 year extension with Cosmyx Care

DIMENSIONS

Dimensions	40 x 64 x 210 cm
Weight	206 kg

MATERIALS

Compatibility	ABS, PETG, Nylon, PLA, compostable PLA, PVA, TPE, PC Polycarbonate, TPU, Flex...
External materials	Compatible

TEMPERATURES

Storage room temperature	Up to 70°C
Ambient temperature	10 – 45°C
Storage temperature	From -25°C to +55°C

SOFTWARE

Connectivity	WIFI, Ethernet, USB 5G in option
Compatible operating systems	Windows, Mac OS, Linux
Slicer	OrcaSlicer (recommended), SuperSlicer, PrusaSlicer, Cura
Types of files	.stl, .obj, .3mf, .step, .stp
Output file format print file	.gcode

CONSUMPTION

AC input	100–240V AC, 50/60Hz 230V, monophase (1,3KVA)
Power supply	24 VDC (Mean Well passive cooling)
Module consumption	25 W
Room consumption	200 W

ADDITIONAL MODULES AVAILABLE UPON REQUEST:

Automatic tray unloading, material storage, post-processing tools...