



VX1

BIG TECH, SMALL SCALE

YOUR ENTRY INTO PROFESSIONAL VAPOR SMOOTHING

Largest process chamber in its class

With a 24.6l process chamber – the largest in its class – the VX1 enables high throughput per cycle while maintaining a compact design. It delivers smooth, sealed, and ready-to-use parts with an exceptionally low total cost of ownership, making it an ideal solution for entry-level production with a fast and predictable return on investment.

Easy plug & play vapor smoothing

The VX1 is designed around simplicity and flexibility, allowing easy integration into existing workflows. Its compact all-in-one design and operation via a standard electrical outlet make it intuitive to use, even for first-time users. Everybody can start professional vapor smoothing quickly, with minimal training and very low upfront investment.

Safe & sustainable solvent technology

We use a non-toxic, PFAS-free solvent with a cartridge-based system in a closed process environment to ensure safe and clean operation. The cartridge return program helps reduce consumable expenses while low energy consumption keeps running costs consistently low over the machine's lifetime.

TECHNICAL DATA: VX1



PERFORMANCE	
Cycle time	90 - 180 min
Capacity per run	Usable basket volume ~ 21l Up to 1/2 Formlabs Fuse 1, 1/3 HP MJF 1200, 1/2 Sinterit BIANCO2*
Process chamber volume (diameter x H)	280mm x 400mm (24.6l) 11.0in x 15.7in (1,501in³)
Programs available	Dedicated cartridges per material-class with adjustable setting for smoothing level, fullness of chamber and part thickness
Compatible materials	PA12, PA11, TPU (request latest material compatibility list from DyeMansion for more info). Compatible printing technologies: SLS, MJF, HSS, SAF
Compatible solvent	Eco Solvent for VX1 - material-specific formulations for PA12, PA11, TPU (cartridge based solvent cycle)
DIMENSIONS	
System (L x W x H)	660mm x 450mm x 1100mm 26.0in x 17.7in x 43.3in
Recommended space requirement in operation (L x W x H)	1360mm x 490mm x 1800mm 53.5in x 19.3in x 70.9in
WEIGHT	
System	90kg 200lb
POWER	
Energy Consumption	Less than 1 kWh per cycle
Requirements	Single-phase AC 230 V, 50 Hz, max. 14 A (line-to-neutral) 208 V, 60 Hz, max. 13 A (line-to-line) Maximum power input: 3.2 kW @ 230 V

CONNECTIVITY

Integrated LTE modem for remote support, service diagnostics, and firmware updates

AUTOMATION

Automated process. Program set by cartridge-specific material and easily adjustable parameters via digital HMI

*The values provided here are based on average AM components. For specific applications—particularly those involving very small, very large, or highly complex geometries—a customized recalculation is recommended, as the actual values may vary higher or lower.

YOU WANT TO LEARN MORE?



[Watch the VX1
Explained
video here](#)



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VX1
page
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Technical data subject to change without notice.
Please request latest technical data from team DyeMansion.