PostPro SF50

GEN2 VAPOR SMOOTHING

SPECIFICATION SHEET



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SUBJECT TO CHANGE

AUTOMATED VAPOR SMOOTHING FOR SCALABLE PRODUCTION WITH THE POSTPRO SF50 GEN 2

The PostPro SF50 Gen 2 is AMT's next-generation vapor smoothing system, engineered for high-volume, industrial-scale production. Built on AMT's patented PostPro® technology, it automates the vapor smoothing process to smooth and seal the surfaces of 3D-printed polymer parts, enhancing mechanical performance, durability, and surface aesthetics.

With a 48-liter processing chamber, the PostPro SF50 Gen 2 is ideal for smaller production runs, prototyping, and R&D, while providing the same benefits as the PostPro SF100.



PRODUCT OVERVIEW

PROVEN PATENTED TECHNOLOGY
Based on over 5 years of fundamental research at the University of Sheffield and validated in the industry for an additional 8 years, the PostPro SF50 Gen 2 uses a controlled vapor-phase process to smooth and seal part surfaces while significantly enhancing the mechanical properties.

MATERIAL & TECHNOLOGY COMPATIBILITY
Compatible with both powder bed fusion and extrusion-based AM processes, the PostPro SF50 has been tested with and is compatible with over 150 thermoplastic polymers, including PA11, PA12, flexible TPU/TPE, and polypropylene. Ideal for SLS, MJF, HSS, and FDM applications, it delivers consistent, repeatable results across diverse part geometries and production requirements.

SAFE, SUSTAINABLE & INDUSTRY-READY
The closed-loop system ensures operator safety, zero waste, and complete consumable recycling. With Industry 4.0 connectivity for MES/ERP integration and validated use in highly regulated sectors ranging from healthcare to consumer and food-contact applications, the PostPro SF50 Gen 2 meets all industrial, health, and safety standards.

KEY FEATURES & BENEFITS

- **Ergonomic Chamber Loading:** Front-loading process chamber for improved operator comfort
- **User Interface:** 1080p Full HD. 21.5" touch screen
- **Consumables:** 10-liter consumable canisters designed for rapid changeovers and safe handling
- **Compact Footprint:** Reduced footprint and working area requirements
- **Safety:** Fully CE certified closed-loop system with front-mounted E-Stop to ensure user safety

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TECHNICAL SPECIFICATIONS

Description	EU	US
External Dimensions (WDH)	830 x 1,400 x 1830 mm	33 x 55.5 x 72 in
Weight	800 kg	1,765 lbs
Recommended Operating Area	2,350 x 3,200 mm	92.5 x 126 in
Capacity		
Process Chamber Dimensions (WDH)	400 x 300 x 400 mm	15.7 x 11.8 x 15.7 in
Process Chamber Volume	48 Liters	48 Liters
Consumable Canister Volume	10 Liters	10 Liters
Power		
Three Phase	3 x 400V, 16A, 50/60Hz (L1+L2+L3+N+PE)	3 x 480V, 16A, 50/60Hz (L1+L2+L3+PE)

AVAILABLE IN DIFFERENT CONFIGURATIONS

The PostPro SF50 Gen 2 is available in three machine configurations, each optimized for a specific AMT consumable. The compatible material portfolio helps determine which machine configuration is most suitable.







COMPATIBILITY	FA5802 (PURE) Sustainable vapor smoothing solution	FA326 High performance consumable	FA9202 Consumable for Polypropylene
Material Compatibility	PA11, PA12, ULTEM, TPU & COMPOSITES	PA6, PA11, PA12, ABS, ASA, PC, TPU, TPE & COMPOSITES	POLYPROPYLENE
Printing Technologies	SLS, MJF, SAF, FFF, FDM	SLS, MJF, SAF, FFF, FDM	SLS, MJF

ALL CONSUMABLES ARE:

- TESTED FOR BIOCOMPATIBILITY AND SAFETY ACCORDING TO ISO STANDARDS
- CERTIFIED FOR FOOD & SKIN CONTACT WHERE APPLICABLE
- REACH & ROHS COMPLIANT
- OPTIMIZED FOR USE WITH POSTPRO SYSTEMS

EXPLORE COMPATIBLE CONSUMABLES

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