

**AUTOMATED CHEMICAL VAPOR SMOOTHING TECHNOLOGY DELIVERING END-USE PARTS FOR LOW VOLUME PRODUCTION.**



AMT's PostPro SF50 is a patented chemical vapor smoothing solution for post-processing thermoplastic polymer 3D printed parts. The PostPro SF50 includes advanced features to provide a state of the art production experience.

PostPro SF50 has all of the same benefits as the industrial SF range of machines, but in a more compact unit for smaller production runs and prototyping.

**PROPRIETARY PATENTED TECHNOLOGY**

Based on 5 years of fundamental research at the University of Sheffield and 3 years of industrial development. The PostPro SF50's patented technology has been proven within the industry.

**ENHANCING PART PROPERTIES**

The only technology that smooths and seals the surface and internal cavities of 3D printed polymer parts, while also improving mechanical properties.

**COMPATIBILITY**

Works with powder and extrusion-based additive manufacturing technologies. Tested with over 100 thermoplastic polymers including nylons and TPU/TPE flexible materials. Ideal for SLS, MJF, HSS and FFF applications.

**INDUSTRY 4.0 AUTOMATION**

Industry 4.0 ready with the capability to seamlessly connect with external MES and ERP systems.

**COMPLIES WITH ALL INDUSTRIAL HEALTH AND SAFETY STANDARDS**

Proprietary industry accepted solvent consumables validated in highly regulated applications from medical and dental to consumer and food applications. PostPro SF50 works with a range of solvents tailored to your specific requirements.

**SAFE AND SUSTAINABLE**

Fully closed-loop system to ensure operator and end user safety. Zero system waste and full consumable recycling.

**PART EXAMPLES:**



BEFORE



AFTER

	EU	US
<b>External Dimensions (WDH)</b>	830 x 1,400 x 1830 mm	33 x 55.5 x 72 in
<b>Weight</b>	800 Kg	1,765 lbs
<b>Recommended Operating Area</b>	2,350 x 3,200 mm	92.5 x 126 in
<b>Capacity</b>		
<b>Process Chamber Dimensions (WDH)</b>	400 x 300 x 400 mm	15.7 x 11.8 x 15.7 in
<b>Process Chamber Volume</b>	48 Litres	48 Litres
<b>Consumable Canister Volume</b>	10 Litres	10 Litres
<b>Power</b>		
<b>Single Phase</b>	220-240V 16A, 50/60Hz, (L+N+PE)	208V, 30A, 50/60Hz, (L+N+PE)
<b>Three Phase</b>	3 x 400V, 16A, 50/60Hz, (L1+L2+L3+N+PE)	3 x 480V, 30A, 50/60Hz, (L1+L2+L3+PE)

Additional electrical supplies can be accommodated via an optional internal transformer. Please contact AMT for further details.

**SAFETY AND CERTIFICATION**

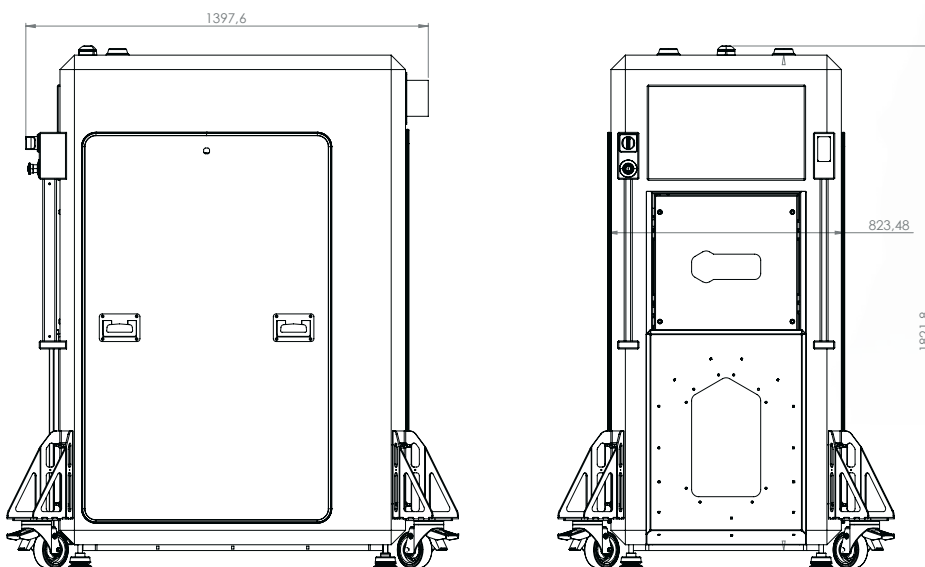
PostPro SF50 is fully CE certified and has advanced safety features.

\*Specifications subject to change

## FEATURES:

- **Safety Circuit:** Light curtain and front mounted E-Stop button
- **User Interface (HMI):** 1080p Full HD. 21.5" Touch Screen
- **Consumable Management:** RFID canister recognition and fool proof connections
- **Multiple Consumables:** Can be used with all of AMT's finishing agents
- **Small Footprint:** Reduced footprint and working area requirements
- **Ergonomic Chamber Loading:** Front loading process chamber for operator ease and comfort
- **User Access:** RFID controlled user access
- **Easy Transport:** Optional removable stabilizers for ease of movement and positioning during installation
- **Flexible Power Supply:** Optional internal transformer to suit the majority of local power supplies\*

## DIMENSIONS



\*Please consult with AMT to confirm suitability

