



# amt postpro SF50 pure SPECIFICATION SHEET



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

AMT's PostPro SF50 Pure is a patented chemical vapor smoothing solution for post-processing thermoplastic polymer 3D printed parts. The PostPro SF50 Pure is a step up in post processing technology and includes advanced features to provide a state of the art post processing experience using green and sustainable consumables.

The PostPro SF50 Pure is engineered to the same high standard as the industrial SF100 range, but with a more compact processing chamber for smaller production runs and prototyping.

### PROPRIETARY PATENTED TECHNOLOGY

Based on 5 years of fundamental research at the University of Sheffield and proven in industry over 5 years. Protected under the following patents: EP3565712, GB2582225 & GB2597240B.

### 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.

### SAFE AND SUSTAINABLE

Fully closed-loop system to ensure operator and end user safety. Zero system waste and full consumable recycling. Utilizing AMT's Green PostPro Pure consumable for safe and sustainable operation.

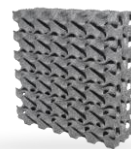
### PART EXAMPLES:



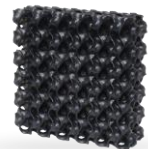
BEFORE



AFTER



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 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>Three Phase</b>	3 x 400V, 16A, 50/60Hz, (L1+L2+L3+N+PE)	3 x 480V, 16A, 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 Pure is fully CE certified and has advanced safety features.

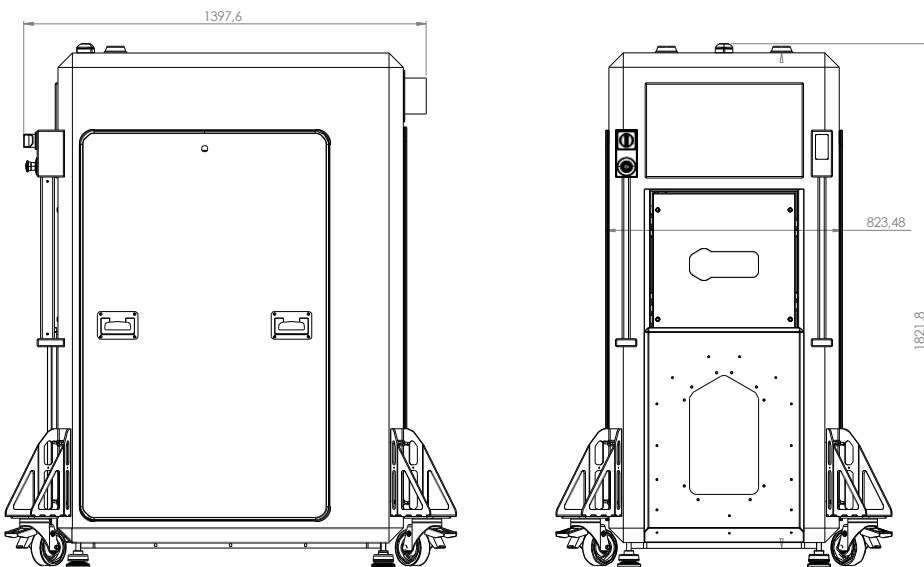
\*Specifications subject to change

**FEATURES:**

- **Safety Circuit:** Front mounted E-Stop button
- **User Interface (HMI):** 1080p Full HD. 21.5" Touch Screen
- **Consumable Management:** RFID canister recognition and fool proof connections
- **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