



# postpro **SF50**

## SPECIFICATION GUIDE

SPECIFICATION SUBJECT TO CHANGE.



## 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. Formerly known as PostPro3D MINI, this new generation technology includes advanced features providing a more efficient user and 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 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>Reccomended 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)	
<b>or</b>		
<b>Three Phase</b>	3 x 400V, 16A, 50/60Hz, (L1+L2+L3+N+PE)	

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

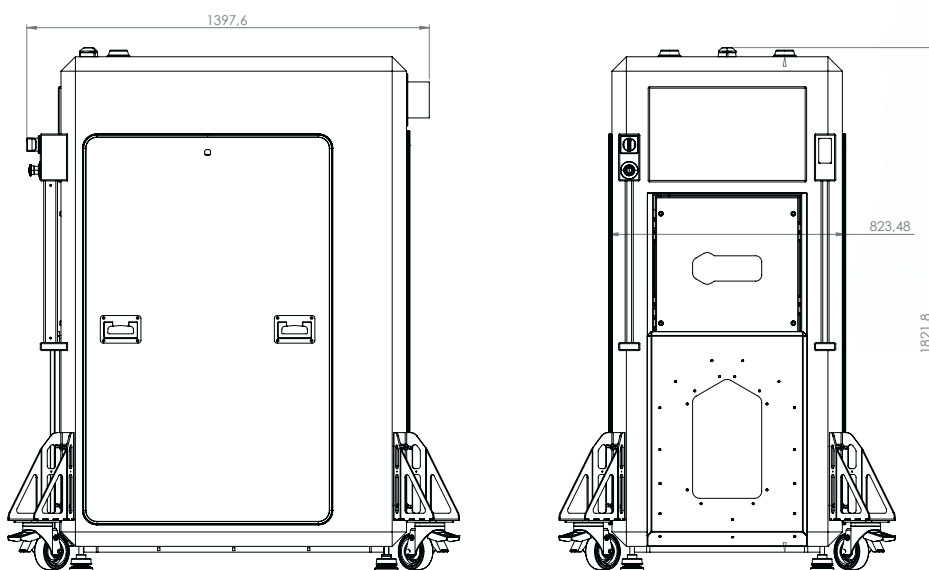
### SAFETY AND CERTIFICATION

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

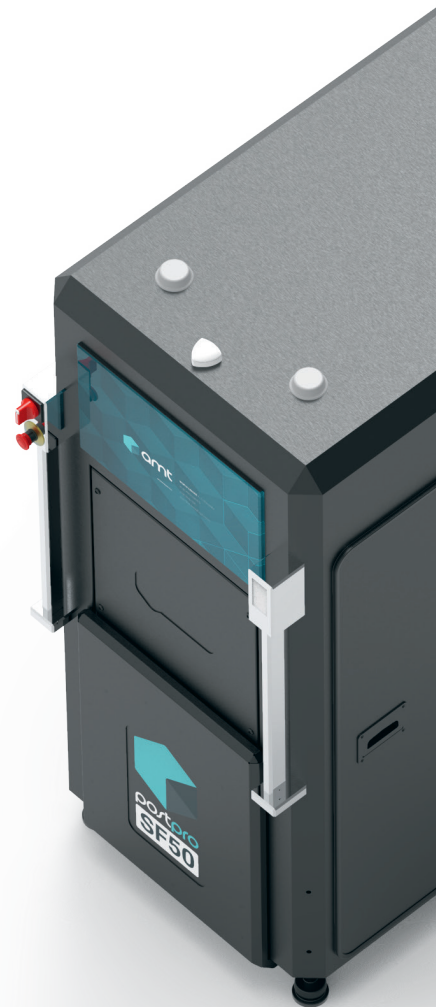
#### FEATURES:

- **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





## CONTACT INFORMATION

For further information, please contact AMT:

[info@amtechnologies.com](mailto:info@amtechnologies.com)

EU: +44 114 3122 3344

US: +1 512 352 9393

