

## SPECIFICATION SHEET

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



AMT's PostPro SF100 Pure is a patented chemical vapor smoothing solution for post-processing thermoplastic polymer 3D printed parts. The PostPro SF100 Pure is a step up in post processing technology and includes advanced features to provide a state of the art production experience using green and sustainable consumables.

The PostPro SF100 Pure is engineered for high-volume production settings, seamlessly bridging the gap to industrial-scale additive manufacturing.

#### 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.

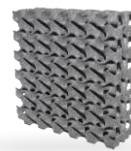
#### PART EXAMPLES:



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>                           | 850 Kg                                  | 1,875 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 600 x 400 mm                      | 15.7 x 23.6 x 15.7 in                 |
| <b>Process Chamber Volume</b>           | 96 Litres                               | 96 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

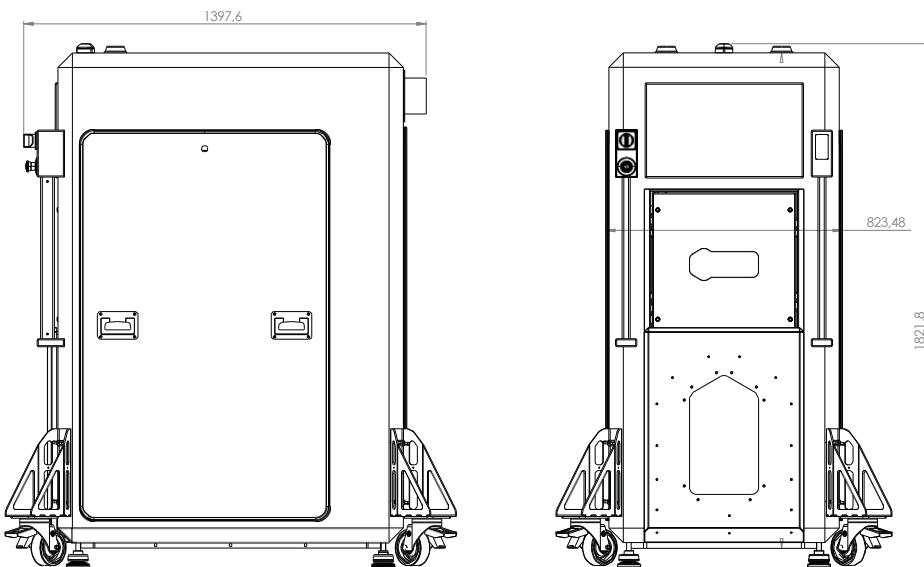
PostPro SF100 Pure is fully CE certified and has advanced safety features.

**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