

POSTPRO UP SPECIFICATION SHEET

AUTOMATED UNPACKING FOR INDUSTRIAL POLYMER ADDITIVE MANUFACTURING

The PostPro UP is a fully automated unpacking solution designed for industrial polymer additive manufacturing. It delivers safe, consistent, and highly efficient removal of excess powder from 3D printed build cakes using an optimized combination of mechanical vibration, pressurized air flow, and controlled drum rotation.

Engineered for high-throughput production environments, the PostPro UP automatically separates and recovers reusable powder, transferring it directly to an integrated or external AMT Powder Recovery System. Available in configurations compatible with HP Natural Cooling Units, EOS P3 Build Units, and Stratasys SAF Units, it provides a seamless and reliable first stage in the fully automated PostPro workflow.

PRODUCT OVERVIEW

PROVEN TECHNOLOGY FOR EFFICIENT POWDER REMOVAL

The PostPro UP combines controlled vibration and precision air-blast cleaning within a rotating drum to remove residual powder evenly and safely. Engineered for repeatable performance, it consistently delivers clean, production-ready parts while recovering reusable powder for subsequent builds, optimising both quality and material efficiency.

SEAMLESS COMPATIBILITY WITH LEADING PRINTER PLATFORMS

Available in dedicated configurations for HP MJF 5200 Series, EOS P3 build units, and Stratasys SAF Units, the PostPro UP integrates effortlessly into established industrial polymer workflows. Each system is factory-calibrated for its specific printer interface and connects directly to AMT's Powder Recovery System, ensuring a smooth and continuous process chain from build to unpack.

DESIGNED FOR INDUSTRIAL AUTOMATION AND EASE OF USE

Featuring a 7-inch touchscreen HMI, programmable process control, and comprehensive safety interlocks, the PostPro UP enables fully automated, unattended operation. Its ergonomic loading height and front-access service design streamline daily operation and maintenance, supporting reliable performance in demanding production environments.



CONFIGURATIONS:

- HP Natural Cooling Unit (NCU)
- EOS P3
- Stratasys SAF

INTENDED USE:

Automated unpacking of polymer build cakes prior to depowdering

SUPPORTED MATERIALS:

- PA11
- PA12
- TPU
- Other polymers used in MJF & SLS systems

KEY FEATURES & BENEFITS

- ✓ Automated unpacking with combined vibration and air-blast powder removal
- ✓ Dedicated interfaces for HP NCU, EOS P3, and Stratasys SAF build units
- ✓ Direct integration with the AMT Powder Recovery System
- ✓ 7-inch touchscreen HMI with recipe management and safety interlocks
- ✓ Ergonomic loading height (approximately 1200 mm) with front-service access
- ✓ Dual emergency stops and safety door interlocks for operator protection
- ✓ Optional integration with Depowdering Modules for complete automation

TECHNICAL SPECIFICATIONS

Description	EU / US Values
Pinter Compatibility	HP Natural Cooling Unit (NCU) · EOS P3 · Stratasys SAF Unit
Material Compatibility	PA11 · PA12 · TPU · Other compatible polymers used in MJF and SLS systems
External Dimensions (L × W × H)	2530 × 1200 × 2060 mm (≈ 99.6 × 47.2 × 81.1 in)
Approx. Weight	700 kg
Recommended Operating Area	3530 × 2200 × 3060 mm (≈ 139 × 86.6 × 120.5 in)
Power Supply	400 V 50 Hz / 480 V 60 Hz (3-phase)
Compressed Air Pressure	≥ 6.5 bar
Air Consumption	≈ 300 L/min
Extraction Port	Ø 76 mm
Connectivity	Ethernet / USB



Disclaimer: All technical data, specifications, and product information contained in this document are provided for reference only and are subject to change without notice. AMT continually develops and improves its products and reserves the right to modify design, specifications, materials, or features at any time without obligation or prior notice. Actual system performance and results may vary depending on part geometry, material type, operating conditions, and software configuration. The information contained herein does not constitute a guarantee of performance or suitability for any particular purpose.