POSTPROCESS
Automated. Intelligent. Comprehensive.

DEMI X 5000™

Automated Resin Removal Solution

The PostProcess® DEMI X 5000 is the next generation of automated resin removal for large format SLA print technologies designed to increase productivity, safety, and sustainability. This solution integrates advanced software, hardware and proprietary chemistry to achieve optimal resin cleaning, making it a game-changer in high-volume applications.

Increased productivity

Designed to process large SLA build parts in 10 minutes or less for significant labor time savings.

Increased throughput

Dual agitation flow delivers both vertical & horizontal vortex for superior resin removal especially with complex parts with hidden & concave surfaces.

Enhanced safety

Resin removal chemistry offers an exceedingly safer flashpoint and increased longevity compared to IPA and other solvents.

Improved Process Sealing

Fully enclosed chamber minimizes vapor escape for a safer and cleaner work environment.

Full software integration

AUTOMAT3D® digital platform allows for one-touch operation with full customization, recipe storage and repeatability for complex parts.

Optimal sustainability

Improves sustainability efforts with 10x reduced waste generation compared to IPA.

Software features:

- AUTOMAT3D intelligent software platform.
- Hands-free cycle times with programmable recipes.
- Propietary Agitation Algorithms.
- Automatic load/unload sequence.
- Fully adjustable dual agitation flow.

Hardware features:

- Vertical and horizontal agitation flow.
- Adjustable tilt mechanism aids detergent flow.
- Fully enclosed chamber.
- Adjustable arms and spring-loaded claws for easy transfer of build plate.
- Large platform and automated lift

DEMI X 5000 Product Specifications

Electrical Requirements:	US | 240 Volt, 30 Amp, 3-Phase EU | 230 Volt, 30 Amp, 3-Phase
Envelope Capacity:	35" L x 35" W x 25" H (89 x 89 x 63.5 cm)
Lift Capacity:	200 lbs (90kg)
Consumables Used:	PLM-403-SUB
Consumables Capacity:	275 gallons (1,041 liters)
Machine Dimensions:	Doors Closed: 94"L x 42.6"W x 84.5"H (239 x 108 x 215 cm) Doors Open W/Light: 132"L x 92"W x 99.5"H (336 x 233 x 253 cm)
System Weight:	Empty: Approx. 2,073 lbs (940 kg) Full: Approx. 4,370 lbs (1,982 kg)
System Warranty:	12 months on-site service and support, as per PostProcess Technologies conditions of sale.
Environmental Requirements:	Temperature range: 5-40°C (41-104°F) Relative humidity: 0-80%
Software:	AUTOMAT3D Windows 10
Regulatory Conformity:	CE, SGS
Features & Options:	Dual agitation flow for superior resin removal / Adjustable tilt mechanism / Customizable settings with recipe storage / Detergent up to 10X longevity over IPA
Safety Features:	Emergency stop / Auto power down / Safety interlocked door
Connectivity:	USB Port: USB 3.1 Ethernet: Fully compliant with IEE 802.3, IEEE 802.3u, IEEE 802.3ab
Material Compatibility:	All Vat Photopolymerization resins including rigid, elastomeric, high-temperature and composite filled resins
Printer Compatibility:	Designed for all large format printers including those from Stratasys, 3D Systems, UnionTech, and others.