DEMI X 520™ for Dental Resin Removal

IPA-Free Automated Resin Removal Solution for Dental

When precision and efficiency matter most, the PostProcess® **DEMI X 520 for Dental Resin Removal** sets a new standard in automated post-processing for resin cleaning. Engineered to deliver unparalleled results, this innovative full-stack solution combines cutting-edge technology, intelligent software, and specially formulated chemistry to optimize your dental lab's post-printing workflow, reducing IPA and the need for manual resin cleaning.

Fast processing speeds

With a 2 minute operator time and 10 minute cycle time, you can achieve signficant labor time savings and minimize lab technician time.

Optimal sustainability

Improve sustainability efforts with 10x reduced waste generation compared to IPA, using biocompatible PLM-403-SUB detergent. Reduce IPA in your lab by 95%!

Enhanced safety

Resin removal chemistry offers an exceedingly safer flashpoint and increased longevity compared to IPA, significantly improving your lab's working conditions.

Increased throughput

DEMI X 520 can seamlessly process large dental batch sizes of up to 150 parts, enabling high volume production.

Repeatable results

Axial Flow Technology™ allows for adjustable flow, reducing the risk of part damage to guarantee consistent results even with complex dental parts.

Full software integration

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

Software features:

- AUTOMAT3D® intelligent software platform
- Hands-free cycle time
- Programmable, repeatable recipes
- Time, temperature & agitation customization

Hardware features:

- Simple touchscreen interface
- Automated lift system
- Process parts directly on build platform
- Uniform chemistry exposure with Axial Flow Technology™

DEMI X 520 Product Specifications

Electrical Requirements:	US | 120 Volt, 60 Hz, 3-Phase EU | 230 Volt, 50 Hz, 3-Phase
Envelope Capacity:	14" L x 14" W x 15" H (36 x 36 x 38 cm)
Lift Capacity:	10 lbs (4.5 kg)
Consumables Used:	PLM-403-SUB
Consumables Capacity:	24 gallons (91 liters)
Machine Dimensions:	Door Closed: 32" L x 25" W x 67" H (82 x 64 x 170 cm) Door Open: 54.6" L x 28.9" W x 67.8" H (139 x 73 x 172 cm)
System Weight:	Empty: Approx. 325 lbs (147 kg) Full: Approx. 525 lbs (238 kg)
System Warranty:	12 months on-site service and support, as per PostProcess Technologies conditions of sale.
Environmental Requirements:	Temperature range: 60°F to 80°F (15°C to 27°C) Relative humidity: 0% to 80%
Software:	AUTOMAT3D Windows 10
Regulatory Conformity:	CE, SGS
Features & Options:	Customizable settings with recipe storage capability / Ability to clean parts and trays simultaneously on or off platform / Up to 10X longevity over IPA / Flashpoint over 200°F / 93°C
Safety Features:	Emergency stop / Safety enclosure with door sensor
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 use with any DLP or SLA printer.

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DEMI X 520 Product Fixtures

MAC1810
Tray Fixture

SUB0659
Enclosed Fixture

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