



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 significant 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, 1-Phase EU 230 Volt, 50 Hz, 1-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.

DEMI X 520 Product Fixtures



**MAC1810
Tray Fixture**



**SUB0659
Enclosed Fixture**

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