

# DEMI X 520

for Dental Resin Removal

# DENTAL RESIN

## Sales & Specification Summary

### THE WORLD'S ONLY IPA-FREE DENTAL RESIN REMOVAL WORKFLOW

PostProcess® continues to advance additive manufacturing support removal with the new DEMI X 520 for Dental Resin Removal™. As the industry's only full-stack solution, it extends the PostProcess Submersed Vortex Cavitation™ portfolio by introducing our new **Axial Flow Technology™** combined with our game-changing chemistry and customized AUTOMAT3D® software.

#### Customized Software Controls

Software specific to dental resin removal will guide users through processing requirements, including time, temperature, and agitation for their particular application. These tailored experiences create a seamless, efficient, and error-free operation.

#### Hardware Innovation and Fixtures Ensure Optimal Dental Resin Removal & Safety

The DEMI X 520 for Dental Resin Removal offers new hardware features to deliver unparalleled consistency.

- Automated parts lift protects parts from over-exposure to chemistry and contributes to operator safety.
- Specific resin removal fixtures ensure optimal part treatment regardless of processing the parts directly on the build platform or batch processing off-platform.
- Axial Flow Technology ensures uniform chemistry exposure to finish parts.

#### Additive-Formulated Chemistry for Isopropyl Alcohol (IPA) Free Processing

The DEMI X 520 for Dental Resin Removal Solution features a combination of PLM-403-SUB detergent used in the hardware, followed by a rinse step in our AUX-400-RINSE in a separate container.

- Enhances safety for employees thanks to higher flashpoints:
  - ◆ PLM-403-SUB Flashpoint: 220°F / 104.4°C
  - ◆ AUX-400-RINSE Flashpoint: 102°F / 38.8°C
 vs. IPA Flashpoint: 53°F / 11°C
- Biocompatible PLM-403-SUB detergent ensures effective resin removal, with most cycles completed in < 10 minutes.
- AUX-400-RINSE as a final rinse step eliminates the need to use IPA in your resin removal workflow.



## PRODUCT SPECIFICATIONS

### SIZE AND WEIGHT

Envelope	14" L x 14" W x 15" H 36 cm x 36 cm x 38 cm Tank Capacity: 24 Gal/91 L
Machine Footprint	32" L x 25" W x 67" H 82 cm x 64 cm x 170 cm
Approx. Weight	325 lbs empty / 147kg 525 lbs full / 238 kg

### ELECTRICAL

US	Power: 120V, 60Hz Connector: NEMA 5-15P Axial agitation; includes heater
EU	Power: 230V, 50Hz Connector: CEE 7 / 7 Axial agitation; includes heater

### SAFETY

- Emergency stop
- Safety enclosure with door sensor
- Certifications:



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\*Biocompatibility not yet completed for AUX-400-RINSE | REV A 1/2024 ©2024 PostProcess Technologies, Inc