



# 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

|                                    |                                                                                                                                                                                         |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Electrical Requirements:</b>    | US   120 Volt, 60 Hz, 1-Phase<br>EU   230 Volt, 50 Hz, 1-Phase                                                                                                                          |
| <b>Envelope Capacity:</b>          | 14" L x 14" W x 15" H (36 x 36 x 38 cm)                                                                                                                                                 |
| <b>Lift Capacity:</b>              | 10 lbs (4.5 kg)                                                                                                                                                                         |
| <b>Consumables Used:</b>           | PLM-403-SUB                                                                                                                                                                             |
| <b>Consumables Capacity:</b>       | 24 gallons (91 liters)                                                                                                                                                                  |
| <b>Machine Dimensions:</b>         | Door Closed: 32" L x 25" W x 67" H (82 x 64 x 170 cm)<br>Door Open: 54.6" L x 28.9" W x 67.8" H (139 x 73 x 172 cm)                                                                     |
| <b>System Weight:</b>              | Empty: Approx. 325 lbs (147 kg)<br>Full: Approx. 525 lbs (238 kg)                                                                                                                       |
| <b>System Warranty:</b>            | 12 months on-site service and support, as per PostProcess Technologies conditions of sale.                                                                                              |
| <b>Environmental Requirements:</b> | Temperature range: 60°F to 80°F (15°C to 27°C)<br>Relative humidity: 0% to 80%                                                                                                          |
| <b>Software:</b>                   | AUTOMAT3D<br>Windows 10                                                                                                                                                                 |
| <b>Regulatory Conformity:</b>      | CE, SGS                                                                                                                                                                                 |
| <b>Features &amp; Options:</b>     | 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 |
| <b>Safety Features:</b>            | Emergency stop / Safety enclosure with door sensor                                                                                                                                      |
| <b>Connectivity:</b>               | USB Port: USB 3.1<br>Ethernet: Fully compliant with IEE 802.3, IEEE 802.3u, IEEE 802.3ab                                                                                                |
| <b>Material Compatibility:</b>     | All vat photopolymerization resins including rigid, elastomeric, high-temperature and composite filled resins.                                                                          |
| <b>Printer Compatibility:</b>      | Designed for use with any DLP or SLA printer.                                                                                                                                           |

## DEMI X 520 Product Fixtures

**MAC1810  
Tray Fixture**



**SUB0659  
Enclosed Fixture**



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