Automated, Digitized
Post-Processing Solutions
Enabling Additive
Manufacturing at Scale

POSTPROCESS

Automated. Intelligent. Comprehensive.

WE CHANGE EVERYTHING

IT'S AUTOMATED.

Our automated solutions eliminate time-consuming and expensive piece-by-piece manual cleaning by applying a patent-pending combination of integrated technologies; including software, hardware, and consumables.

IT'S INTELLIGENT.

Our revolutionary technology thoroughly processes each part, regardless of geometry. Reliable support removal and dependable surface finishing produce 'customer-ready' parts, every time.

IT'S COMPREHENSIVE.

A full range of solutions support your post-processing requirements. From desktop systems to production-scale systems for support removal, resin removal, and surface finishing, we are continuously innovating for the future.

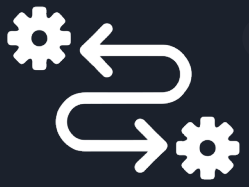
EVERY MARKET IMAGINABLE.

Across every industry, our technology removes the post-print bottleneck with an automated approach. From aerospace to automotive, consumer goods to dental, or defense to medical, we're ready to put our technology to work for you.

VIRTUALLY ALL 3D PRINT TECHNOLOGIES.

From SLA to DMLS – we've got you covered. From light-cured resins to superalloys – we handle them all. We've designed and tested our solutions to work across a wide variety of materials and print technologies.

END-TO-END EXPERTISE.



Expertise in the three steps of additive – design, build, and post-print – has allowed us to develop machines and engineer precise solutions to drive faster throughput and more consistent results.

At PostProcess® Technologies, we use software-driven technology that enables users to produce customer-ready 3D printed parts at scale. As the first in the world to bring an automated and intelligent solution to the third step of additive manufacturing, we're helping the market realize its full potential. Our solutions make post-processing parts easier, more consistent, and more efficient.

SLA, DLP & CLIP

Our comprehensive software, hardware, and chemistry solution reduces SLA and CLIP resin removal steps by 50% or greater. As the **fastest resin removal system on the market**, field-tested on thousands of trays, our solutions are proven to clean multiple full trays in under 10 minutes consistently. Coupled with our surface finishing solutions, PostProcess can streamline your SLA and CLIP post-processing bottleneck.

FDM & FFF

Providing the fastest cycle times in the industry, PostProcess FDM post-processing solutions reduce processing times by at least 50% compared to traditional submersible tank systems. Controlled by AUTOMAT3D® software, attended technician time is significantly reduced for **both support removal and surface finishing** to enable high-volume production and decrease overall cycle time for your print operation.

PolyJet & Material Jetting

Our PolyJet solutions perform thorough support removal with less part warpage and breakage. Software-driven submersible technology has been proven to increase throughput by over 30% compared to traditional manual water blasting, along with a dramatic reduction in attended technician time of over 80%. Pair with our surface finishing solutions for a **complete post-print workflow** to achieve consistent results even for the most delicate geometries.

MJF & SLS

Delivering replicable, high-quality uniformity for every part, our surface finishing and powder removal solutions incorporate advanced, additive-specific technology for MJF and SLS. Our proprietary software platform provides an unprecedented level of process insight and control, ensuring uniform media and detergent exposure as well as motion control for **predictable, consistent surface finishing.**

Metals

PostProcess automates **surface finishing** for additive manufactured metal parts with our unique, patent-pending technologies. Ensuring every printed part meets your desired Roughness Average (Ra) while maintaining dimensional consistency and fine feature detail, our data-driven solutions deliver repeatable automation in batches. This technology is developed to align with your print quantities, enabling significantly reduced operator attendance time.

Wax

PostProcess automates **support removal** for additive manufactured wax parts with our unique, patent-pending technologies. Due to the fragile nature and high breakage rate of 3D-printed wax parts, 3D printed wax parts are often broken in traditional post-processing. With our comprehensive hardware, software, and chemistry solution, breakage is minimized and processing times can be 30-40 minutes per batch, with technician times less than 5 minutes per batch.

DATA-DRIVEN SOLUTIONS

RESIN & SUPPORT REMOVAL

DEMI X 200 Plus

Envelope:
6.3" L x 3.9" W x 7.8" H
160 mm x 100 mm x 200 mm

Footprint:
21.6" L x 19.8" W x 23.6" H
550 mm x 505 mm x 600 mm

Available exclusively in EU through Authorized Resellers

DEMI 430

Envelope:
14" L x 14" W x 14" H
36 cm x 36 cm x 36 cm

Footprint:
38.5" L x 27" W x 47" H
97.7 cm x 68.5 cm x 119.3 cm

DEMI X 520

Envelope:
14" L x 14" W x 15" H
36 cm x 36 cm x 38 cm

Footprint:
33" L x 26" W x 67" H
84 cm x 66 cm x 170 cm

DEMI 830

Envelope:
18" L x 18" W x 18" H
46 cm x 46 cm x 46 cm

Footprint:
34.75" L x 43.5" W x 59.75" H
88 cm x 110 cm x 152 cm

Carbon® compatible

DEMI 910/930

Envelope:
18" L x 18" W x 18" H
46 cm x 46 cm x 46 cm

Footprint:
34.75" L x 43.5" W x 59.75" H
88 cm x 110 cm x 152 cm

Carbon Compatible with L1 & M2 Printers

DEMI 4100

Envelope:
35" L x 35" W x 25" H
89 cm x 89 cm x 63.5 cm

Footprint:
87" L x 50" W x 88" H
221 cm x 127 cm x 224 cm

Only Available for SLA, DLP, and CLIP Resin Removal

☐ SLS ☐ MJF ■ SLA ■ DLP ■ CLIP

■ PolyJet / Material Jetting ■ FDM / FFF ■ Wax ☐ Metals

The patented Submersed Vortex Cavitation (SVC) technology works in combination with proprietary detergents and exclusive AUTOMAT3D® software to automate resin removal and support removal processes, and efficiently scale throughput. Agitation flow from the solution's vortex pumping scheme ensures that 3D printed parts are uniformly, consistently, and reliably exposed to detergent and cavitation as they undergo automated post-processing. This results in a reduced need for manual labor, higher throughputs, improved detergent longevity, and a notable reduction in material waste.

SUPPORT REMOVAL

VORSA 500

Envelope:
16" L x 16" W x 14.5" H
41 cm x 41 cm x 37 cm

Footprint:
67" L x 35" W x 67" H
170 cm x 88 cm x 170 cm

BASE

Envelope:
40" L x 27.5" W x 26" H
102 cm x 70 cm x 66 cm

Footprint:
68.7" L x 40.7" W x 93.2" H
174 cm x 103 cm x 238 cm

☐ SLS ☐ MJF ☐ SLA
☐ PolyJet / Material Jetting ■ FDM / FFF
☐ Wax ☐ Metals ☐ DLP ☐ CLIP

Our proven Volumetric Velocity Dispersion (VVD) technology effectively removes support materials from 3D printed polymer parts by implementing a high-volume, low-pressure 360° spray method. Leveraging PostProcess's exclusive detergents and AUTOMAT3D® software, this technology minimizes manual labor and has been patented to keep part geometries consistent while enabling the fastest post-processing times in the additive industry.

SURFACE FINISHING

RADOR

Envelope:
21.4" L x 8.4" W x 13" H
54 cm x 22 cm x 33 cm

Footprint:
54.3" L x 28.3" W x 39.4" H
137 cm x 72 cm x 100 cm

■ SLS ■ MJF ■ SLA ■ DLP
■ PolyJet / Material Jetting ■ CLIP
■ FDM / FFF ☐ Wax ■ Metals

Suitable for basic and complex part geometries alike, automated Suspended Rotational Force (SRF) technology is developed to achieve specific Roughness Average (Ra) values on 3D printed parts of all materials. Equipped with AUTOMAT3D® software intelligence, this technology optimizes mechanical energy to suspend parts in abrasive media, ensuring a uniform finish.

DECAKING

PREVO 700

Envelope:
20" L x 20" W x 23.6" H
51 cm x 51 cm x 60 cm

Footprint:
106" L x 44" W x 87" H
269 cm x 112 cm x 220 cm

■ SLS ☐ MJF ☐ SLA ☐ DLP
☐ PolyJet / Material Jetting ☐ CLIP
☐ FDM / FF ☐ Wax ☐ Metals

Automated SLS Decaking Solution uses Variable Amplitude Displacement™ (VAD) technology to enhance the efficiency of depowdering 3D printed parts. By adjusting the amplitude and frequency of mechanical vibrations, it optimizes powder removal. Equipped with AUTOMAT3D® software, this technology helps minimize variations between builds, offering reliable and rapid unpacking of parts.

MEET THE BRAINS BEHIND IT

AUTOMAT3D®

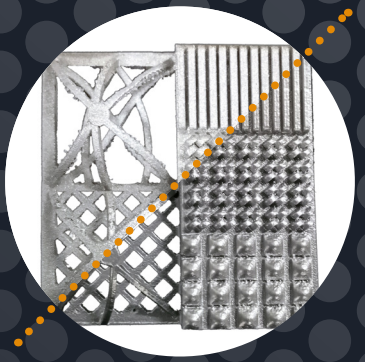
PostProcess pioneered intelligent post-processing with our patent-pending AUTOMAT3D® software platform. We've taken the guesswork out of post-processing after spending years collecting data from hundreds of thousands of benchmark parts of all 3D print technologies and most materials.

The data collected is at the core of our software design, which incorporates optimized recipes to deliver a precise finish every time. Carefully controlling the system's energy, speed, and direction, the Agitation Algorithm ensures your productivity is boosted by producing consistent end parts with no breakage. Our software varies agitation intensities, temperatures, process time and other process factors to deliver the ideal finished part.

We thoughtfully designed all of our systems and the software for ease. Our machines are enabled by a user-friendly interface powered by industrial controllers, resulting in efficient use of your labor to drive volume production.

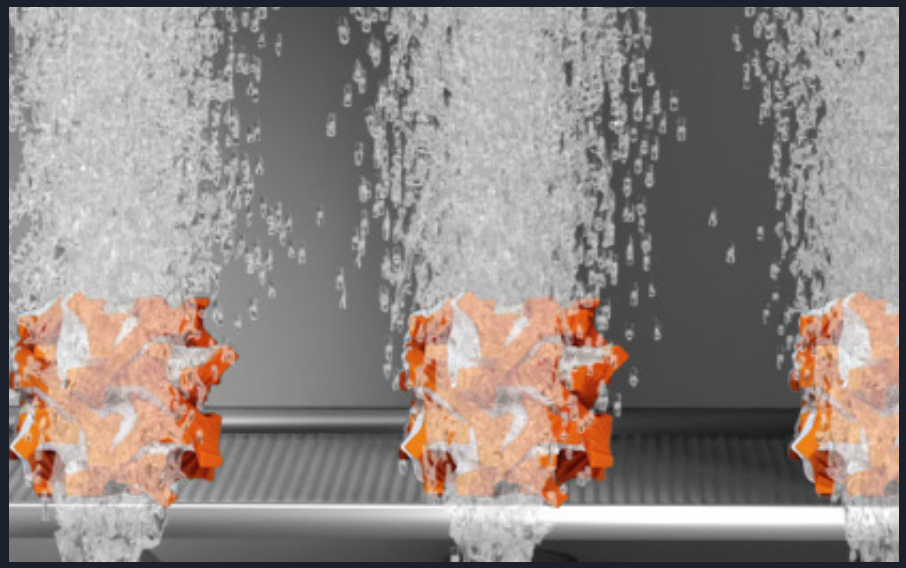






CHEMISTRIES JUST FOR YOU

As the pioneer of the automated post-processing industry, PostProcess Techologies' patent-pending chemistry solutions are unmatched. Our family of detergents and media have been developed for high-performance and safe handling, delivering faster throughput and more consistent results.



OUR CHEMISTRY FOR

RESIN & SUPPORT REMOVAL

PostProcess's pre-mixed detergents optimize the removal of excess resin, FDM, PolyJet, & Wax supports while leaving the build material in perfect condition. Our chemistry line, along with our thoughtfully designed systems, is formulated to achieve the customer's desired cycle time and product characteristics.

OUR CHEMISTRY & MEDIA FOR

SURFACE FINISHING

Our surface finishing media, available in different density and grit, ensures the desired finish and end product surface roughness (R_a) for all print materials. With abrasive and polishing options, our solutions are designed to work with the media to accurately deliver the correct amount of energy to produce the desired end result.

POSTPROCESS

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