

FORMULATED FOR ADDITIVE MATERIALS.

As the pioneer of the automated post-printing industry, PostProcess Technologies' patent-pending software, hardware, and chemistry solutions for 3D printed parts are unmatched. Our innovation extends to our proprietary detergents and media that have been developed for high-performance and safe handling. Learn more below about how PostProcess chemistry technologies work as a part of our precise solutions to drive faster throughput and more consistent results.

SUPPORT REMOVAL (SR) SOLUTIONS

PostProcess' pre-mixed detergents optimize the removal of supports while leaving the build material in perfect condition. Our POLYGONE™ (PG) chemistries are formulated for all 3D print materials and technologies and specified to achieve the customer's desired cycle time and end product characteristics.

DETERGENT:	SUBMERSION SYSTEMS	SPRAY SYSTEMS	ANTI FOAMING AGENT: All Materials
Polyjet Materials	PG1	PG1C	PG7.1
SLA Materials	PG1.2	PG1.1C	PG7.2
FDM Materials	PG2	PG2C	

SURFACE FINISHING (SF) SOLUTIONS

Our surface finishing media, available in different density and grit, is designed to accurately deliver the correct amount of energy to produce the desired end result. With our offering of Ceramic Angle Cut Triangle Media (M-CAT), Polyester Abrasive Media (PAM), and Ceramic Tristar Media (M-CTS) we can ensure the desired finish for all print materials and end product surface roughness (Ra) requirements.

MEDIA:		Grit	Grit Size	Finish	Media Attrition Rate	MEDIA CLEANING AGENT: All Materials
Polymers, Metals	M-CAT	Coarse	Large	Matte	Medium	PG3
Polymers	PAM2	Fine	Medium	Matte	Low	
Polymers, Metals	M-CTS	Fine	Medium	Matte	Low	

*optional

HYBRID SOLUTIONS - SUPPORT REMOVAL & SURFACE FINISHING

Tackling both support removal and surface finishing in one compact footprint, our Hybrid PostProcess™ DECI Duo™ was developed to address the most complex and rugged of today's additive manufacturing materials. Our exclusive media, combined with our POLYGONE™ (PG) chemistries, produced at the right mixture and discharged at an exacting rate over the surface, ensure superior support removal and surface finishing. The Duo is the workhorse of post-processing, developed for high-performance and optimized to use our patent-pending detergents and media.

DETERGENT:	<i>PG5</i>				
SUSPENDED SOLIDS:	Grit	Grit Size	Finish	Solids Attrition Rate	Average Result Time
AS-SS (Abrasive Ferrous Metal)	Coarse	Large	Matte	Medium	15 - 20 minutes
AS-ALO (Abrasive Non-Ferrous Metal)	Fine	Small	Matte	High	5 - 7 minutes
PS-SS (Polishing Ferrous Metal)	Extra Fine	Large	Polish	Medium	15 - 20 minutes
PS-ZIR (Polishing Ceramic)	Extra Fine	Small	Polish	Low	15 - 20 minutes

ADDITIVE FORMULATED. PRODUCTION READY.

All of PostProcess' patent-pending chemistry technologies have been designed with careful consideration of safety and handling. Because our proprietary detergents are already mixed, there is no chance of incorrectly mixing a batch of detergent, versus other offerings which must often be mixed on-site. Our chemistries utilize low concentrations of several conventional chemicals in unique combinations, as compared to other detergent options with higher chemical concentration levels.

For our Support Removal and Surface Finish Series, we offer our detergents in pre-mixed 5 gallon and 55 gallon containers. Concentrated versions are also available for our spray systems.

For our Surface Finish Series, we offer our media in 50 pound plastic containers with molded-in handles for easy unload and storage. Our media has been formulated and tested to have the lowest attrition rates in the additive manufacturing industry.

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NOTE: PostProcess Technologies detergents are specifically formulated chemistry for maximized 3D printed support removal efficiency. It is recommended that the equipment be located in a well ventilated room. Specific ventilation requirements can vary widely due to size of the install room, existing ventilation (positive or negative) and differences in individual sensitivities to airborne scents or fragrances. For more information on the safe use of PostProcess detergents refer to the SDS for the specific detergent used.