

BASE

Support Removal



The patented PostProcess BASE™ FDM support removal solution offers the largest envelope in our Support Removal series of machines and delivers uniform, high-quality results for every part, regardless of geometry, with short cycle times to meet high-volume production needs. The BASE provides delicate to robust support removal with higher throughput using Volumetric Velocity Dispersion (VVD) technology to ensure complete part coverage. The system is ruggedly designed for the largest additive manufactured parts, with an envelope measuring 40" L x 27.5" W x 26" H.

PostProcess' proprietary Volume Velocity Dispersion (VVD) technology, a series of high volume and flow jet streams spraying bidirectionally coupled with a perpendicular linear motion for mechanically assisted support removal, ensures fast cycle times with virtually no damaged parts. Because of the high-volume (200 GPM), low-pressure system (35 PSI), parts feel a powerful yet gentle, all-encompassing flow of detergent that also keeps the part in place. Once applied, the constant force felt by the part reduces the risk of damaging parts. One result of the bi-directional jetting action is the part remains stationary and avoids any potential collisions that a circulation tank may subject parts to damage.

SOFTWARE FEATURES	• Patent-pending AUTOMAT3D™ platform • Proprietary Agitation Algorithms • Variable temperature (85-160°F, 29-71°C) • Intelligent cycle times • Customizable settings • One-touch repeatability with recipes storage • Preventative maintenance schedules RESULTING IN... • Minimized part breakage • Minimal operator intervention • Preservation of fine-feature details
HARDWARE FEATURES	• Stainless steel envelope • Counter-weighted vertical sliding door • In-line strainer • LED Lighted chamber • Multiple fixtures available • Casters for easy installation RESULTING IN • Superior support removal • Evenly treated parts • Cycle time reduction
MATERIALS AND TECHNOLOGIES	FDM
SIZE	• Envelope: 40" L x 27.5" W x 26" H (102 cm x 70 cm x 66 cm) • Machine Footprint (Closed door): 68.7" L x 40.7" W x 93.2" H (174 cm x 103 cm x 237 cm) • Machine Footprint (Open door): 129" L x 82" W x 97" H (328 cm x 208 cm x 246 cm) • Approx. Weight: 1812 lbs. (822 kg) empty 2188 lbs. (992 kg) full
CONSUMABLES	• Detergent: PLM-201-SPRAY for FDM PLM-222-SPRAY for FDM
SAFETY FEATURES	• Emergency stop • Auto-interrupt • Compliant with all OSHA regulations  
ELECTRICAL	US: • Voltage: 208V 3 Phase • Amperage: 50A • Connector: HBL5560C9W EU: • Voltage: 400V 3 Phase • Amperage: 25A • Connector: HBL532C6W