

VORSA 500

Support Removal



FDM

The PostProcess VORSA 500™ FDM support removal solution offers a large work envelope and delivers uniform, high-quality results for every part, regardless of geometry, with short cycle times to meet your high-volume production needs. The VORSA 500 provides delicate to robust support removal with higher throughput using patented Volumetric Velocity Dispersion (VVD) technology to ensure complete part coverage and support removal. With multidimensional spray technology, the VORSA 500 allows for remarkably quick dry times while maintaining part integrity as parts won't become saturated with detergent.

No other system in the world combines hardware tailored for 3D post-printing with custom software and additive formulated consumables. With our proprietary Agitation Algorithms ensuring precision-controlled energy and controlling the flow of our additive-formulated detergents, the PostProcess VORSA delivers consistent hands-free support removal from 3D printed FDM parts.

SOFTWARE FEATURES	• Patent-pending AUTOMAT3D® platform • Proprietary Agitation Algorithms • Variable temperature (130-160°F, 54-71°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 • Multi-dimensional spray coverage • In-line strainer • Sealed, top-loading chamber • Customizable fixtures available • Built-in work station • Casters for easy installation RESULTING IN • Superior support removal • Evenly treated parts • Cycle time reduction
MATERIALS AND TECHNOLOGIES	• Resin Removal: SLA, DLP, CLIP • Support Removal: FDM, POLYJET
SIZE	• Envelope: 16" L x 16" W x 14.5" H (41 cm x 41 cm x 37 cm) • Machine Footprint (closed door): 67" W x 35" D x 67" H (170 cm x 88 cm x 170 cm) • Approx. Weight: 850 lbs. (386 kg) empty 1060 lbs. (481 kg) full
CONSUMABLES	• Detergent: PLM-201/202-SPRAY
FACILITIES REQUIREMENTS	• Water in • Drain out • Ventilation
SAFETY FEATURES	• Emergency stop • Door locks • Temperature limits • Auto-interrupt
ELECTRICAL	US: • Voltage: 240V 3-Phase • Amperage: 30A EU: • Voltage: 400V 3-Phase • Amperage: 25A