

MILLI Wastewater

PRODUCTION SERIES WASTEWATER TREATMENT

AUTOMATED. INTELLIGENT. COMPREHENSIVE.

PostProcess Technologies is the pioneer of the automated post-printing industry. As the first and only provider of automated and intelligent post-print solutions for additive manufacturing, PostProcess increases the consistency, throughput, and productivity of the third step of 3D printing – post-printing.

COMPLIANCE AND STEWARDSHIP IN ONE SMART PROCESS.

Wastewater treatment is an essential function to protect the environment and allow manufacturers to meet their safety standards. Post-printing of additive manufactured parts produces micro-sized particles of media and material debris. Untreated discharge into the waste stream may be in violation of state and local ordinances. Our solution offers environmentally friendly recirculation and/or disposal of wastewater.

BENEFITS OF POSTPROCESS WASTEWATER TREATMENT SOLUTION.

PostProcess provides uninterrupted and consistent support removal and surface finishing of 3D printed parts with a filtering system that transforms liquid waste to solid waste. There is no need to stop operations for manual wastewater draining. With no slowdown of post-printing, there is no need to worry about throughput bottlenecks. Our WasteWater solution integrates with all of our Support Removal and Surface Finish machines ensuring seamless operation of all post-printing in your Additive Manufacturing facility.

Our software works in conjunction with all PostProcess Production Series machines to generate a continuous flow between each chamber to transfer dirty water through the system for particle separation and with carbon filtering. The multiple tanks are engineered with a series of chambers, pumps and filters. Transfer pumps move the dirty water through each chamber where the solids are separated. The output is highly filtered water for recycling to the drain or for recirculation back into the production system.



The MILLI Wastewater is an independent system that works in combination with our Production Series machines including: Single Process Support Removal, All Process Support Removal, Rectangular/ Circular Surface Finish and Hybrid Systems. This further optimizes the performance of our solutions and eliminates environmental issues.

We have engineered our WasteWater Treatment System to be capable of producing highly filtered water to meet your manufacturing environment requirements. Utilizing continuous filtering through multiple chambers and tanks, the MILLI WasteWater moves dirty water through the system where solids are filtered - from 250 micro down to 1 micron. The result is grey water that can be discharged down the drain or can recirculate back into the system.

AGA™ SOFTWARE FEATURES

- Intelligent cycle times
- Proprietary Agitation Algorithms™ for recirculation
- Smart filter life indicator

HARDWARE FEATURES

- Beckhoff™ digital interface
 - Customizable settings
 - Set and save programs for future runs
- Textured powder coated enclosure
- Compatible with all Production Series machines
- Easy to change filters
- Solid waste chamber
- Casters for easy installation

SIZE AND WEIGHT

- Machine footprint: 36" W x 54" L X 72" H
- Fits through standard door
- On demand capacity of 40 gallons
- Approximate Weight: 1,200 lbs. empty; 2,200 lbs. full

ELECTRICAL

- Voltage: 240V
- Amperage: 30A
- Connector: NEMA L14-30P

MATERIALS AND TECHNOLOGIES

- All materials
- All printing technologies

SAFETY FEATURES

- Emergency stop
- Liquid level sensors
- Compliant with all OSHA regulations

