

MILLI Rectangular

DESIGN SERIES
SURFACE FINISH

AUTOMATED. INTELLIGENT. COMPREHENSIVE.

The patent-pending MILLI Rectangular automated surface finish vibratory system is exclusively engineered for additive manufactured parts. Designed to meet the specifications for your desired Roughness Average (Ra) to achieve various types of finishes, the MILLI Rectangular is ideal for all 3D printed materials. No other post-print solution integrates software, hardware, and chemistry into a complete system that removes the post-print bottleneck to enable increased time to market.

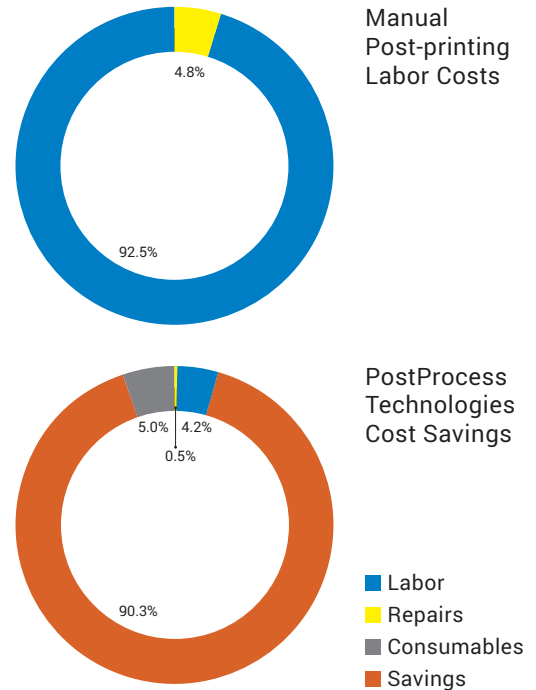
A TAILORED 3D PRINT SOLUTION.

Here at PostProcess, we are singularly dedicated to post-print technologies for the additive manufacturing market. Our forward-thinking design increases the efficiency of your 3D printing operations. The working envelope of the MILLI Rectangular can be divided to run both abrasive and polish operations simultaneously. Even our proprietary and eco-friendly media and detergents are formulated specifically for additive materials.

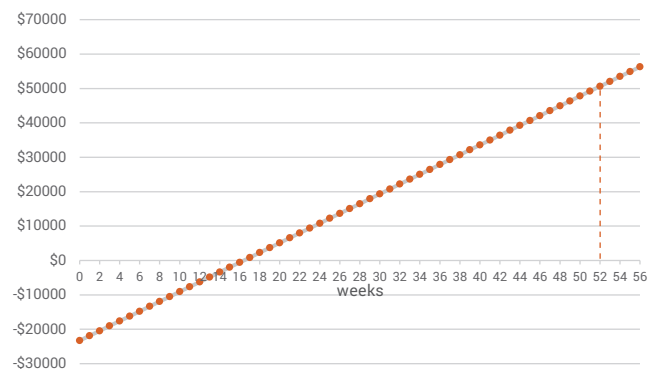
SOFTWARE ENABLED.

Our custom-developed software with our proprietary Agitation Algorithm™ is the driver behind ensuring your desired surface finish results while preserving the fine-feature detail of unique geometries. It precisely controls all variables behind the scenes, including heat, frequency, amplitude, and lubricity, resulting in less breakage. The MILLI Rectangular is a “set it and forget it” solution that no other system can offer.

PostProcess Technologies Labor and Cost Savings



Milli Rectangular Average Investment Payback is 17 weeks



After Year 1, realized savings of \$83,900 based on Productivity Savings and Initial Investment*

**Productivity savings will vary depending on customer*

HARDWARE FEATURES

- Thoughtful construction - contoured back walls, corrugated side walls, urethane coated envelope, textured powder coated enclosure
- Singular tub for large parts, or divider option for dual abrasive and polish operations
- High durability, low maintenance design

RESULTING IN...

- + Superior surface finish
- + Evenly treated parts
- + Cycle time reduction

SOFTWARE FEATURES

- Intelligent cycle times
- Variable detergent dosing
- Ease-of-use single button operation

RESULTING IN...

- + Minimized part breakage
- + Minimal operator intervention
- + Preservation of fine-feature details



We call it 'Library Quiet'

Built with noise-reducing features
to ensure minimal additional
noise is added to the
production floor environment.

PRODUCT SPECIFICATIONS

SIZE AND WEIGHT

- Envelope: 28" W × 10" L × 12" H
- Envelope with divider: 14" W × 10" L × 12" H
- Volume of parts should not exceed 1/3rd of envelope
- Machine Footprint (Closed door):
 - 49" W × 28" L × 34" H
- Fits through standard door
- Machine Footprint (Open door):
 - 97" W × 28" L × 55" H
- Approx. Weight: 500 lbs. empty; 555 lbs. full

ELECTRICAL

- 120V, 20A; Connector: NEMA 5-15P

CONSUMABLES

- Abrasive and polishing media
- PG3 Detergent

MATERIALS AND TECHNOLOGIES

- All 3D print materials
- All 3D print technologies

SAFETY FEATURES

- Multi-position, self-supporting hinged lid
- Emergency stop
- Auto power down
- Compliant with all OSHA regulations