

RADOR

DESIGN SERIES SURFACE FINISH

AUTOMATED. INTELLIGENT. COMPREHENSIVE.

The patent-pending RADOR 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 RADOR 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.

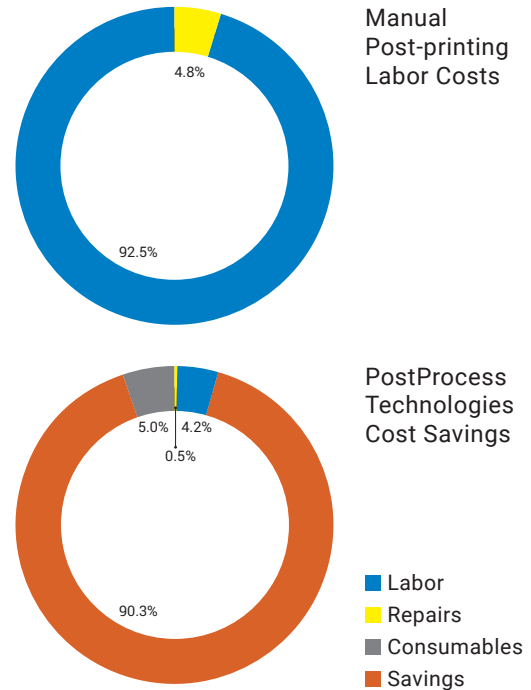
A TAILORED 3D PRINT SOLUTION.

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 RADOR 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.

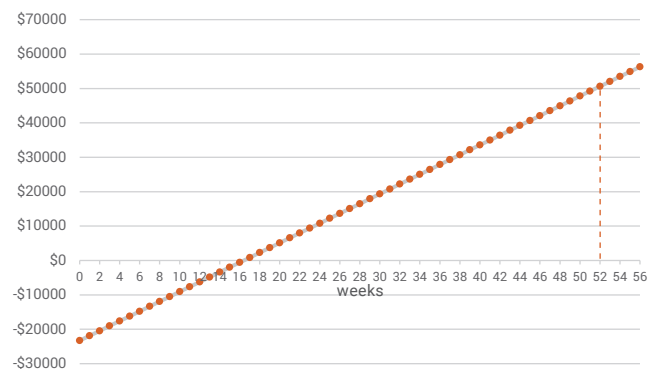
SOFTWARE ENABLED.

Our custom-developed software with our proprietary *Agitation Algorithms* 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 RADOR is a "set it and forget it" solution that no other system can offer.

PostProcess Technologies Labor and Cost Savings



RADOR 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
- 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



PRODUCT SPECIFICATIONS

SIZE AND WEIGHT

- Envelope: 21.75" L x 9" W x 13" H
(55 cm x 23 cm x 33 cm)
- Volume of parts should not exceed 1/3rd of envelope
- Machine Footprint (Closed door):
– 56.75" L x 29.75" W x 34.5" H
(144 cm x 76 cm x 88 cm)
- Fits through standard door
- Machine Footprint (Open door):
– 56.75" L x 29.75" W x 55" H
(144 cm x 76 cm x 140 cm)
- Approx. Weight: 550 lbs. empty; 625 lbs. full

ELECTRICAL

US

- Voltage: 120V
- Amperage: 20A
- Connector: NEMA 5-15P

EU

- Voltage: 230V
- Amperage: 20A
- Connector: CEE 7/7

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

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