

HYBRID DECI Duo

PRODUCTION SERIES
SUPPORT REMOVAL AND
SURFACE FINISHING

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.

MULTI-FUNCTIONING.

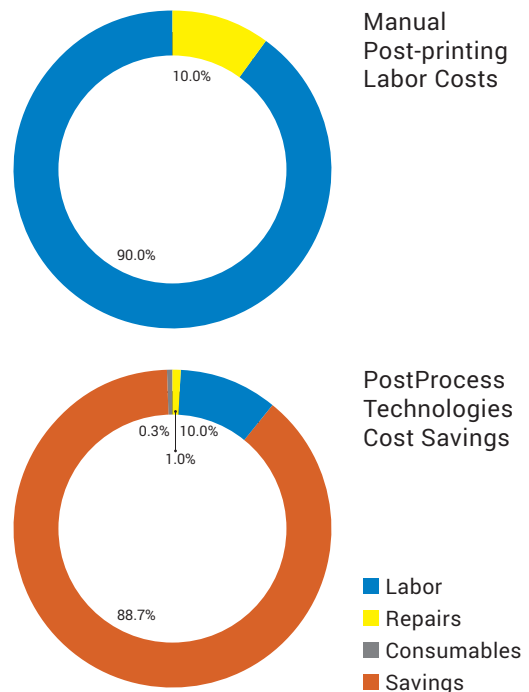
With the Hybrid DECI Duo, support removal and surface finishing of 3D printed parts is automated in a single, multi-functioning system and designed with a space-saving footprint that optimizes production floor space. Our solution of patent-pending software, user-friendly hardware, and eco-friendly consumables works collectively to deliver exacting support removal and surface finishing while increasing the throughput of your production.

ADVANCED SOFTWARE FOR ADVANCED MATERIALS.

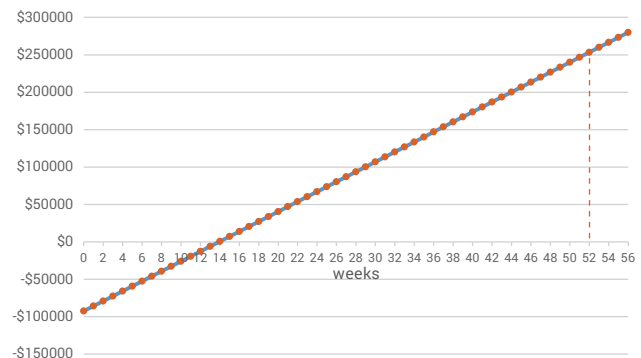
The Hybrid DECI Duo has been engineered for the most advanced 3D print materials such as resins, thermoplastics, and metals, and offer fast cycle times for even the most complex parts, including those with internal channels, organic geometries, and honeycombs.

Through a combination of optimized energy, exclusive detergents, and suspended solids, the system is guided by our patent-pending Agitation Algorithms™ to remove support material and provide the desired surface finish while preserving fine-detail part geometries. The Hybrid DECI Duo thinks like a member of your team, monitoring and reacting in real-time to maintain optimal conditions with sophisticated features like pre-programmed preventative maintenance schedules, intelligent cycle time programming, and one-touch repeatability with recipes stored within the software.

PostProcess Technologies Labor and Cost Savings



Hybrid DECI Duo Average Investment Payback is 14 weeks



After Year 1, realized savings of \$345,800 based on Productivity Savings and Initial Investment*

*Productivity savings will vary depending on customer

AGA™ SOFTWARE FEATURES

- Proprietary Agitation Algorithms™
- Variable temperature (100-178°F)
- Intelligent cycle times
- Customizable settings
- One-touch repeatability with recipes storage
- Pre-programmed preventative maintenance schedules
- Beckhoff™ digital interface

MATERIALS AND TECHNOLOGIES

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

SAFETY FEATURES

- Emergency stop
- Auto power down
- LED lighted chamber
- Counter-weighted vertical door
- Compliant with all OSHA regulations

SIZE & WEIGHT SPECIFICATIONS

- Envelope: 18" W × 18" L × 18" H
- Machine Footprint (Closed door):
 - 66.8" W × 34.25" L × 80" H
 - Fits through standard door
- Machine Footprint (Open door):
 - 66.8" W × 34.25" L × 100" H
- Approx. Weight: 1,200 lbs. empty;
1,700 lbs. full

ELECTRICAL SPECIFICATIONS

- 208V 3 Phase, 60A
- Connector: 560P9W (IP67)

CONSUMABLES

- PG5C detergent
- PG4 cleaning agent
- AS-SS, AS-ALO and PS-SS suspended solids

HARDWARE FEATURES

- Automated turntable reduces manual touch, ensuring consistency of the end part
- Advanced motor technology minimizes moving components, allowing for faster change outs
- Clean in place system - when finishing is complete, wash down and dry off parts in the same chamber
- Removable metal envelope to fixture nozzle for hands-free operation
- A smart electrical panel design, hinged for easy access for maintaining controls and motor
- Flexibility of a manual mode for hands-on part finishing
- Pass through door capability, helping streamline your entire additive manufacturing operation
- Stainless steel envelope
- Textured powder coated enclosure
- Casters for easy installation

