

# DECI 1-4 Single Process

PRODUCTION SERIES  
SUPPORT REMOVAL

## 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.

## HIGH VOLUME USE.

When throughput is essential, the DECI Single Process is engineered to meet the demands of volume production while ensuring consistency of every part.

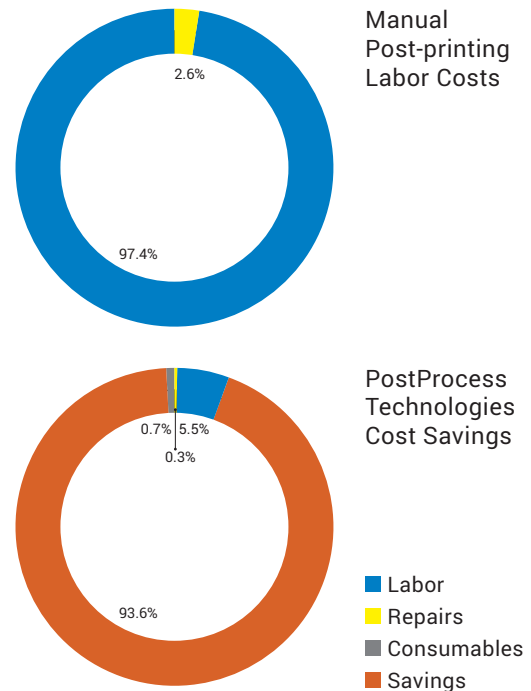
Our solution of patent-pending software, user-friendly hardware, and eco-friendly consumables works collectively to deliver exacting support removal while increasing the throughput of your production.

The DECI Single Process Support Removal system integrates multiple technologies. Agitated flow is essential to effectively remove supports and is done with a 'sink-float' process to rotate parts throughout the chamber. This variable motion, combined with optimal energy delivery, detergent filtration and a powerful pump delivering strong flow agitation, results in fast and uniform support removal.

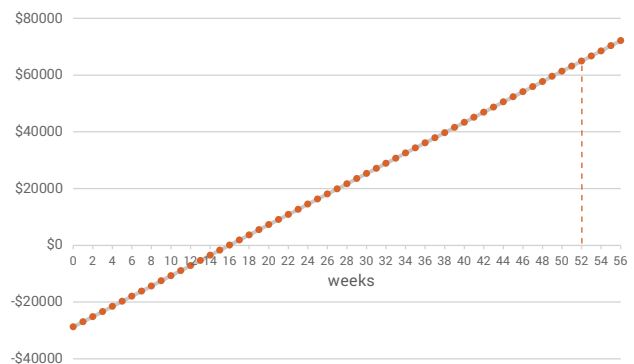
## THOUGHTFUL DESIGN.

The DECI Single Process integrates a number of features for ease of use and integration into your operations, like noise reducing features for a low dBA. A fully insulated tank to keep temperature consistent for energy efficiency, basket to remove parts from the system and harness at the top of the unit, and ergonomically friendly tank orientation are just a few of the unique PostProcess features.

## PostProcess Technologies Labor and Cost Savings



## DECI Single Process Average Investment Payback is 16 weeks



**After Year 1, realized savings of \$93,700 based on Productivity Savings and Initial Investment\***

*\*Productivity savings will vary depending on customer*

## AGA™ SOFTWARE FEATURES

- Variable temperature (70-176°F)
- Programmable cycle time
- Proprietary Agitation Algorithms™

## HARDWARE FEATURES

- Beckhoff™ digital interface
  - Customizable settings
  - Set and save programs for future runs
- Piezo-electric Ultrasonics (DECI 3, DECI 4)
- Inline one micron absolute filters for extended detergent life
- Stainless steel envelope
- Textured powder coated enclosure
- Hinged envelope lid
- Process drain rack
- Magnetically driven pump
- Multi-configuration fixture
- Casters for easy installation

## SIZE

- Envelope: 18" W × 18" L × 18" H
- Machine Footprint:
  - 33.61" W x 52.55" L x 43.35" H
  - Fits through standard door

## CONSUMABLES

- Capacity: 40 Gallons
- Detergent: PG1 for Polyjet  
PG1.1 for SLA  
PG2 for FDM
- Part Cleaning Agent: PG4
- Anti-Foaming Agent: PG7

## MATERIALS AND TECHNOLOGIES

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

## SAFETY FEATURES

- Emergency stop
- Auto power down
- Compliant with all OSHA regulations

## DECI 1-4 MODELS

### DECI-1

- 110V, single agitation
- 20A, Connector: NEMA L5-20P
- Approx. Weight: 300 lbs. empty; 650 lbs. full

### DECI-2

- 220V, single agitation
- 10A, Connector: NEMA L6-20P
- Approx. Weight: 300 lbs. empty; 650 lbs. full

### DECI-3

- 110V, dual agitation; includes 1,750 ultrasonics
- 20A, Connector: NEMA L5-20P
- Approx. Weight: 400 lbs. empty; 750 lbs. full

### DECI-4

- 220V, dual agitation; includes 1,750 ultrasonics
- 20A, Connector: NEMA L6-20P
- Approx. Weight: 400 lbs. empty; 750 lbs. full

