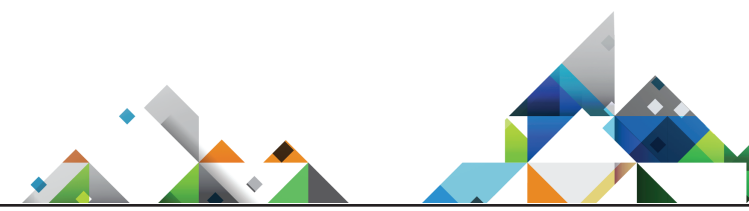


Competitive Analysis

Submersible Support Removal Systems

Phase 1: Specification Comparison

Features	• PostProcess DEMI •	SCA 3600	Talking Points
Working Envelope (L x W x H)	18" x 18" x 18"	16" x 16" x 14"	63% increase in working envelope volume
Machine Size (D x W x H)	42" x 32 ½" x 46" (62790 cu. in.)	36 ½" x 22 ¾" x 42 ¾" (35499 cu. in.)	
Liftover Height	37"	50"	Ease of use / ergonomic advantage via a 13" reduction in liftover height
Capacity	40 gallons	27 gallons	Added capacity = longer detergent life and fewer detergent change outs
Weight	400 lbs (empty) 750 lbs (full)	160 lbs (empty) 396 lbs (full)	
Materials Capable of Processing	FDM: SR20, SR30, SR35, SR100, SR110 PolyJet: SUP705, SUP706 SLA: Various resin types CLIP: Various resin types	FDM: Soluble supports for ABS, PC, Nylon PolyJet	Much wider range of applicable print materials
Temperature Range	70 - 155°F (21 - 68°C) 1°F resolution	Selectable: 50, 60, 70, or 85°C (122, 140, 158, or 185°F)	Broader temperature range and precise temperature control, eliminating thermal runaway and enabling decreased cycle times without part warpage
Filtration	Removable cartridge, SS or disposable 50 um, 75 um Pre-filter screen for bulk filtration	None	PPT filter enables removal of support solids to extend detergent and machine life
Ultrasonics	Selectable 0-100% Power: 1750W	None	PPT's Agitation Algorithm-controlled ultrasonics increases mechanical rate of removal in combination with chemical removal for optimized cycle times
Electrical Requirements	Single phase 230V, 20A	Single phase 230V, 15A	Standard facility power requirements



Competitive Analysis

Submersible Support Removal Systems

Features	• PostProcess DEMI •	SCA 3600	Talking Points
Detergent	PG1 (PolyJet) PG2 (FDM) PG1.1 (SLA, CLIP)	WaterWorks EcoWorks	Less maintenance and more machine uptime as a result of PPT's no manual mixing detergent, can top-off to balance pH. SCA requires full drain, or working with diluted detergent. PPT detergents sold with machine as a comprehensive solution.
Diagnostics/ User Interface	Tank Level, Temperature, Ultrasonic Intensity, Screen/Filter Maintenance Timer, Runtime Monitor, Alarm/Warning System, Standby Operation Settings, Ultrasonic AGA, Overtemp Safety Measures, Algorithm Memory	Tank Level Temperature (4 presets) Timer	PPT's increased process monitoring provides walk-away operation and increased safety. DEMI will respond to over-temp and turn back on when cooled back to set temp range. SCA will stay off until user intervention.
Safety Features	Emergency Stop Cooling Fan	None	Increased User Safety
Remote Access	Live software updates, remote technical support, and data collection	None	PPT's ability to give live software support, including software updates and troubleshooting is far beyond what the SCA support could offer.

PostProcess DEMI

Envelope: 18"x18"x18"

Capacity: 40 gallons

Materials: FDM, PolyJet, SLA, CLIP



SCA 3600

Envelope: 16"x16"x14"

Capacity: 27 Gallons

Materials: FDM, PolyJet

