SolvTrue™
Industrial Solvent Recyclers

Precision Fabricating & Cleaning Success Story

Supporting Precision Cleaning for the Aerospace Industry

Precision Fabricating & Cleaning Achieves 99% IPA Recovery with SolvTrue™ S3000PW2

When it comes to precision cleaning for aerospace applications, reliability and consistency are non-negotiable. For Precision Fabricating & Cleaning Co., Inc. (PFC), maintaining spotless components for satellite and rocket hardware demands the highest quality cleaning solvents possible.

After implementing the SolvTrue™ S3000PW2 solvent recycling system, PFC achieved a *99% recovery rate for highly-concentrated isopropyl alcohol (IPA). This significantly reduced their solvent waste, manual labor and operating costs, while enhancing safety and sustainability in mission-critical cleaning processes.

** Savings estimates are based on customer-reported usage and solvent cost averages. SolvTrue systems help manufacturers reclaim high-concentration solvents with typical recovery rates above 95%.*

Supporting Precision Cleaning for the Aerospace Industry

Based in Cocoa, Florida, PFC specializes in precision cleaning of ground support and flight hardware for leading aerospace companies. Their work ensures that critical components used in launching weather satellites, telecommunications satellites, and manned missions meet stringent cleanliness standards. Precision cleaning removes particulate and non-volatile residue (NVR) contaminants from fluid systems that supply rocket engines, an essential safeguard against catastrophic launch failures.

Challenge: High Solvent Loss and Labor-Intensive Operation

PFC's cleaning process relies heavily on IPA to remove hydrocarbons, greases, and other combustible residues that could react dangerously with oxygen. The company's previous IPA distillation system was inefficient, recovering only about 60% of solvent per batch (20 gallons processed yielded just 12 gallons of clean IPA). ach 5-hour distillation cycle required active technician monitoring and manual refilling, adding significant labor and time costs. With an annual IPA usage of approximately 5,500 gallons, these higher costs and greater expenses quickly compounded.

SolvTrue™
Industrial Solvent Recyclers

Precision Fabricating & Cleaning Success Story

Process and Findings

The Solution: SolvTrue™ S3000PW2

EPFC installed its first SolvTrue S3000PW2 solvent distillation unit in September 2022 to improve recovery rates and reduce manual oversight. The system's automated fill feature eliminated the need for constant technician supervision, while its advanced distillation technology achieved a *99% solvent recovery rate, a dramatic improvement over the previous system.

Proven ROI and Expansion

The efficiency gains translated into a return on investment of less than two years based solely on solvent recovery savings. Impressed with the consistent performance and reliability of the SolvTrue S3000PW2, PFC expanded its recycling capacity with a second unit purchased in June 2025.

"The SolvTrue S3000PW2 achieved a 99% recovery rate and has proven both reliable and easy to operate. Between the reduced solvent loss and automation, the system paid for itself in under two years," said James Bowers, Director of Cleaning & Testing Operations, Precision Fabricating & Cleaning Co.

A Long-Term Commitment to Sustainable Operations

PFC continues to rely on SolvTrue solvent recycling systems to maintain the highest cleaning standards, while improving sustainability and cost efficiency. The company anticipates continued use of these systems to support its precision cleaning operations for years to come.

SolvTrue™ S3000PW2 Solvent Recycler

The SolvTrue™ S3000PW2 Solvent Recycler is a simple distillation system for recycling industrial solvents including mineral spirits, naphthas, paint thinners, alcohols, acetone, organic acids, and chlorinated, fluorinated and brominated solvents.

Capacity: 30 gallon (114 liter)
Dimensions: 30" W x 48" L x 69" H (76 cm W x 122 cm H x 175 cm D)
Cooling: Air cooled – Standard
Chilling: Optional
Electrical Configurations:
220/240V/3PH/60Hz – Standard
440/480V/3PH/60Hz – Optional
Fill Device:
Manual – Standard
Automatic – Optional
Construction: Stainless steel
Mounting: Legs – Standard
Other: Batch-style or optional continuous-feed processing