

# Solvent Press Parts Washers

Fast Wash Cycles | Parts Ready When You Need Them | Free Up Valuable Personnel

# **Automated, Closed Loop Solvent Wash**

More efficient, safer labor allocation speeds-up plant operations.

An automated press parts washing system can be an excellent addition to most printing operations. Adding an automated wash system can speed up the cleaning process, greatly increasing availability of needed parts, and reducing operation downtime. Automated parts washers also free-up manual labor resources for more important operational tasks, and reduce human exposure to dangerous solvents.

### • Consistent, Fast, Reliable Cleaning Maximizes Production:

With simple operation, consistent clean results, and predictable wash times, production schedules can rely on available press parts like clockwork, taking the guesswork out of the cleaning process.

#### Work Smart and Safe:

Employees who perform manual cleaning operations are subject to ongoing exposure to cleaning agents such as caustics, detergents or solvents. Create a safer environment with automatic, vented systems, and avoid costly workplace injury hazards. Our wash systems are designed with six-point secure locking doors, and carefully-placed blowout panels in case of emergency.

#### Specially Designed for Press Parts:

Our systems are carefully designed to perform at maximum efficacy for press parts. The wash solvent is directed through over 100 oscillating jets, at an aggressive-but-gentle wash pressure of 100 psig. Systems include a wash, rinse, and dry cycle, and include a dry and vapor solvent recovery system, cutting exhaust emissions and recovering as much as 10 lbs of solvent per wash cycle.





The Parts Above Were Cleaned in a Solvent Wash System



### **Closed Loop Recovery & Wash**

Our wash systems are typically incorporated into our complete turn-key solvent recovery and recycling systems, using a closed-loop distillation process.

In this process, spent solvent is collected and fed into a distillation unit, where the contaminants can be separated from the reusable solvent.

Contaminants are distilled out and discarded, while clean, reusable solvent is automatically fed back through the press.









SWS-500

## SWS-300 Series

### Various configurations, most economic.

The SWS-300 is our standard wash system, offering the most economic solution to meet your needs, and is available in three configurations. For installations where digging a pit is not feasible, the 300-NP series can be skid mounted and set into place, saving time and money. The 300-D series offers the ability to wash using a detergent and water solution in lieu of other wash solvents.

SWS 300 Series	
Flammable Wash Solvent	$\checkmark$
Safe Combustible Wash Solvent	$\checkmark$
Detergent & Water Wash Only	300D
Pit (door at floor level)	$\checkmark$
No Pit (door raised above floor)	300NP
Door Opening Size	4' × 4'
Chamber Lengths	6' to 14'

### SWS-400 Series

### Shorter cycle times with integrated sump.

As an upgrade to the SWS-300 system, the SWS-400 is engineered to provide the <u>shortest wash cycle times</u>. By placing a high volume sump under the wash chamber, the SWS-400 series can run multiple wash loads before contaminated solvent is purged and sump is replenished with clean solvent.

SWS 400 Series	
Flammable Wash Solvent	$\checkmark$
Safe Combustible Wash Solvent	$\checkmark$
High Volume Sump for Faster Cycles	$\checkmark$
Pit (door at floor level)	$\checkmark$
Door Opening Size	4' × 4'
Chamber Lengths	6' to 14'

### **SWS-500** Maximum capacity, more wash options.

The SWS-500 is made for applications requiring space for larger parts or a higher volume of parts. SWS-500 are available with an external wash solvent tank (like SWS-300) or with an integrated high volume sump in the wash chamber for quicker wash times (like SWS-400). The SWS-500 are available in configurations that can clean with aqueous, flammable or "safe" combustible wash solvent.

SWS 500 Series	
Flammable Wash Solvent	$\checkmark$
Safe Combustible Wash Solvent	$\checkmark$
Water-Based Cleaner	$\checkmark$
Pit (door at floor level)	$\checkmark$
Door Opening Size	5' x 5'
Chamber Lengths	8' to 14'

# **Custom-Designed Press Parts Carts**

Increase efficiency and tailor the wash process to your parts.

PRI can offer either a standard cart for your Solvent Wash System, or we can build custom parts carts designed to maximize the efficiency of your wash process. Our carts are application-specific, engineered to clean the unique parts that you have.

Our carts make loading and unloading the system easy, and with integrated hoses and spray headers available, make the process more effective. Our goal is always to effectively distribute the chemical and energy used to clean your parts. In addition, a parts cart can help prevent mis-loading or stacking parts inefficiently.

Operators can simply load the parts on the cart in their appropriate location, push the cart into the wash chamber, and attach the solvent supply hose(s). Once the wash cycle starts, the solvent will be delivered through both the chamber and the press parts cart.



# Specially-Formulated Heated Cleaning Solution for SWS

PRI offers a proprietary cleaning solvent called HCS<sup>™</sup>, available for wash or distillation needs. HCS<sup>™</sup> is formulated for exclusive use in PRI's Solvent Wash Systems to effectively remove both water-based and solvent-based inks and coatings that are dried and hard cured.

- Non-Flammable: combustible liquid with a flash point of greater than 140° F.
- Low Volatility: significantly reduces emissions for VOC (Volatile Organic Compounds) and is not subject to significant evaporative loss of materials during use.
- Low Toxicity: does not contain chlorinated hydrocarbons or corrosive agents, caustics or acids.
- **Recyclable:** may be regenerated by vacuum assisted distillation without loss of cleaning properties.







Solvent Wash & Recovery | Biowaste Sterilization | Custom Process Skids | Service

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