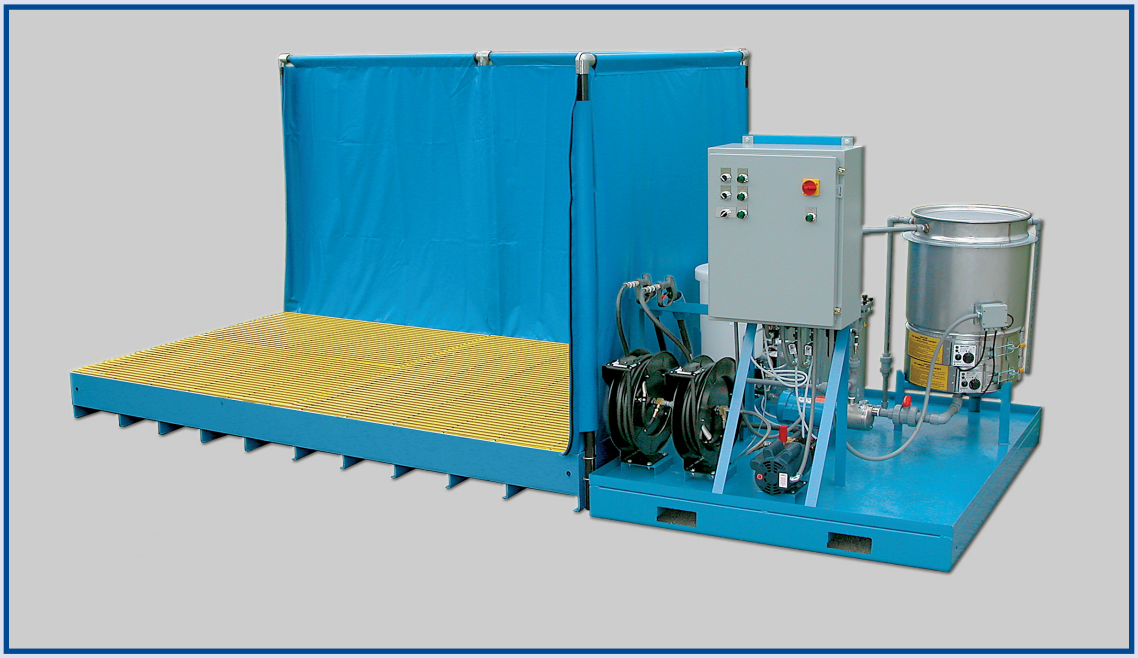
Rapid® Engineering LLC

Pre-Treatment Stations

Clean, Rinse and Pre-Treat In One Station!



For metal preparation before powder or wet coatings. Cleans and pre-treats assemblies of various shapes and sizes.

- Simple operation.
- Clean, rinse and pre-treat (or clean-coat and rinse) operations contained in one station.
- Multi-stage filter system clean solutions to 10-micron particle size.
- Closed-loop pre-treatment chemical system helps reduce chemical cost.
- Station is above ground, no trenches required.
- Portable and expandable.
- 2500 lb (1134 kg) rack load capacity.
- Heated chemical tank.

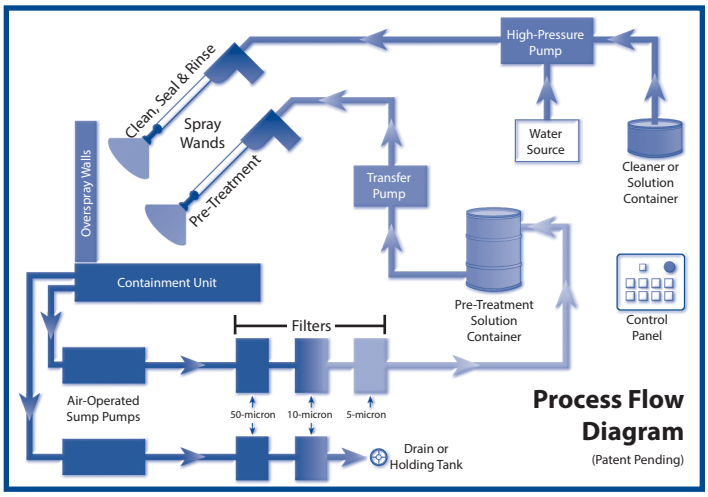
You'll Value Our Experience!

www.RapidFinishingEquipment.com

1.800.536.3461

RAPID® PRE-TREATMENT STATIONS

The Operator Control Panel, containing the relays, contractors and manual control switches, is built to NEMA-12 requirements and is UL listed.



Process Unit

- The **Process Unit** base provides a structure for the process equipment and helps serve as an over-spill reservoir with a drain for further processing or disposal.
- The **Process Unit Sump Pumps** transfer the process solutions from the containment unit into the filter system.
- The **Multi-Stage Filter System** provides 50-, 10- and 5-micron disposable filters.
- A **Low-Volume/High-Pressure Pump** 2 gpm/up to 1500 psi (.13 lps/up to 103421 mbar is used with a **stainless steel spray wand** to remove soils and contaminants from the metal substrate and features a cleaning chemical-solution injector port for greater cleaning flexibility.
- **Pneumatic Valves** control the flow of solutions throughout the system during the wash, rinse and pre-treatment processes.
- A **Pre-Treatment Solution Transfer Pump** is used to transfer pre-treatment chemicals at 60 psi to the **Pre-Treatment Spray Wand**. The transfer pump also recirculates the solution in the heated pre-treatment solution container to help maintain consistent temperature.
- **Recycling and containment** of pre-treatment chemicals helps reduce cost and helps support environmental initiatives.
- **Pre-treatment chemical solution control** is maintained by standard titration methods.

Containment Unit

- The **Containment Unit** is a steel drain rack with a fiberglass grating covering the entire top surface area. A stainless steel 40-mesh screen captures large particles and dirt.
- The **Over-Spray Curtains** are attached to the rack on two or more sides to help contain solutions.
- The **Drainage System**, an integral part of the rack, includes a connection to the drain hoses for transfer of process solutions to the Processing Unit.

Thank You for Your Business!

These products are not for residential use.
This document is intended to assist licensed professionals in the exercise of their professional judgment.

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