



# AUTOMATED CHEMICAL SOLUTIONS

Chemicals and Controllers for PWB Fabrication

## Technical Data Sheet

### **FILTERpro RS-5050**

Photoresist Filter



#### Description

The FILTERpro RS-5050 separation unit is a high capacity continuous process filter that quickly and efficiently removes dry film particles from stripping solutions. The RS-5050 extends solution life and lowers operating cost while providing a cleaner more efficient stripping process.

Features	Benefits
💡 Filters 100% of the working solution	⚙️ Improved resist removal reduces operating cost
💡 Heavy-duty materials of construction	📅 Years of reliable service
💡 Flow rates up to 160 gpm	👉 One unit can filter multiple strip modules
💡 Variable speed control of drum rotation standard on all units	⚙️ Optimize performance without having to pay more

## Theory of Operation

The RS-5050 is intended for use with conveyORIZED stripper modules equipped with false bottoms. Resist laden stripper solution is directed from the false bottom of the stripper module to the input of the RS-5050. The solution flows to the inside of the RS-5050's rotating filter drum where the resist particles are trapped and clean stripper solution passes through the filter media that makes up the drum skin. The clean, filtered stripper solution returns the process sump via gravity. The resist particles stick to the inside of drum skin and are rinsed off at the top of the drum's rotation by a spray bar. The particles fall into a trough where they flow to a conveyor belt. The conveyor transports the resist particles out of the RS-5050 and deposits them in a waste collection basket.

## Standard Specifications

Overall Dimensions:	30" wide x 70" long x 48" high
Power:	115 V.A.C. 5 amp 60 HZ
Material of Construction:	Polypropylene and Stainless Steel
Plumbing:	4" inlet and 6" outlet
Filter Rate:	up to 160 G.P.M.
Weight:	300 pounds