

CHEMCUT

Resist Filter

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FEATURES

- Removes photo resist from resist stripping solutions
- Reduces operating cost by extending stripping solution life
- Increases yields by minimizing resist carry through
- Eliminates costly down time
- Reduces demand on effluent plant

Resist Solution Management System for Printed Circuit Board and Chemical Machining Systems

The Chemcut Resist Filter has been designed and built to quickly and efficiently remove photo resist solids from resist stripping solutions. The units eliminate many of the inherent problems associated with resist filtrations such as foam generation, breakdown of chemistry and poor efficiency. Materials of construction are polypropylene and stainless steel.

Chemcut Corporation
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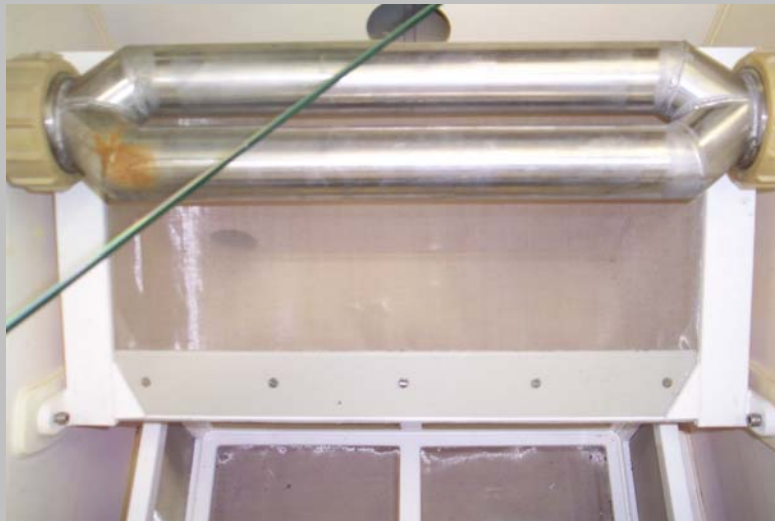
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The Chemcut Resist Filter operates by continuously recycling the solution from the existing process sumps, via a medium pressure pump, to a curtain tube and subsequently through an angled stainless steel mesh at a rate of 16 – 18 gallons per minute. The photo resist solids are separated by the stainless steel mesh and by a combination of the venturi effect of the stripping solution running down the back of the mesh and gravity. The solids are deposited into the integral mesh basket positioned just under the mesh carrier.

During the operation, the small volume of solution present with in the photo resist drains back into the base of the internal sump, via the basket of the filter and subsequently back into the process sump, leaving virtually dry photo resist in the mesh basket for disposal. The vast majority of stripping solution is deflected back into the internal sump of the filter, and then back into the process sump by a deflector plate at the back of the mesh carrier.



Curtain tube and angled stainless steel mesh

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