

Chemical Blending Systems

Specialty Plastics & Fabrication blending systems have been used for specialty chemical applications in many semiconductor manufacturing processes.

On site chemical blending provides an opportunity to optimize process chemistry and protect proprietary chemical blends.

To maintain process control, each one of the blended chemicals can be tested independently to verify quality before proceeding with the blending process. Trouble shooting the process is much easier when the chemical components can be tested independently.

An onsite blending system reduces the cost associated with custom blended chemistries. Each chemical component can be purchased in bulk to reduce cost and maintain control.

Specialty Plastics & Fabrication has provided blending systems for many of the leading companies in semiconductor manufacturing. The blending and chemical deliveries systems have been used for slurry in CMP processes, proprietary etch processes and cleaning chemistries. We can build a blending system to meet your specific needs

Features:

- Chemical Storage Tanks
- Pressure Transducers
- Conductivity Sensors
- Liquid Level Sensors
- Pressure Regulators
- Analog Flow Meters
- PLC Control Program
- AOV Valves & Manual Valves
- Pumps
- Filters



System Specifications

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| <ul style="list-style-type: none"> • Chemical Tanks <ul style="list-style-type: none"> - 1 mixing tank : 30 gallons - 2 chemical storage tanks - 1 day tank with cooling coils • Pumps <ul style="list-style-type: none"> - 3 Levitronix 20 GPM - 2 White Knight 5.25 GMP • Piping/Fitting Material: Perfluoroalkoxy (PFA) | <ul style="list-style-type: none"> • Valve Body Material: Perfluoroalkoxy (PFA)
Polytetrafluoroethylene (PTFE) • Cabinet Material: WPP, FM 4910 • Overall System Dimensions: <ul style="list-style-type: none"> - Length: 59" - Width: 31.5" - Height: 78" 85.75" with exhaust flange |
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