









ENGINEERED SYSTEMS AND CONTROLS

ENGINEERED SYSTEMS	DESCRIPTION	FEATURES
Custom Pump & Process Packages 	<p>Your single-source for the design and manufacture of custom engineered pumping systems. Based on process and application specifications, we will produce P&ID's and design the system with necessary pumps, piping, controls and instrumentation. You will receive a skidded, tested and fully functional system complete with documentation that is tailored to your specific requirements.</p>	<ul style="list-style-type: none"> • Optimal pump type selected for each application • Certified TSSA piping systems welded to ASME B31.1 and B31.3 • CSA approved control panels • Optional PLC's and operator interfaces • Optional CRN registration of components
Tank & Mixer Packages 	<p>Hayward Gordon saves you time and money by integrating our in-house mixing expertise into complete turn-key packages that include Hayward Gordon mixers, tanks and various accessories designed to your specifications.</p>	<ul style="list-style-type: none"> • Range of tank materials includes stainless steel, fiberglass, HDPE, steel, and rubber lined steel • Bridge supports • Level controls
Metering / Chemical Injection Systems 	<p>Our custom engineered metering and chemical injection systems include pumps, components, controls, and instrumentation selected to suit the application and customer specifications.</p> <p>Typical applications include Alum, Chlorine, Hydrogen Peroxide, Ferric Chloride, Boiler and Cooling Water Additives, Polymers, Acids, Chelants, Phosphates, Dyes, Pigments, Starches, Coatings, and many other additives.</p>	<ul style="list-style-type: none"> • Wide range of metering pumps including API 674 and 675 • Piping and frames available in 316SS, steel, or PVC • Certified TSSA piping systems welded to ASME B31.1 and B31.3 • CSA approved control panels • Optional PLC's and operator interfaces
Slurry Makedown & Mineral Dispersion Systems 	<p>Complete packaged systems for effective slurry makedown of bulk solids and difficult to wet materials.</p> <p>Typical applications include lime, gypsum, starch, talc, bentonite clay, calcined clay, and soda ash.</p>	<ul style="list-style-type: none"> • Systems typically include; semi- bulk bag unloading station, overhead hoist, feed hopper with access hatch, dust seal, level monitoring, pneumatic vibrator, volumetric feeder with variable speed control, and mixing tank • Allen Bradley PLC and operator interface for automatic control and monitoring
Dry Polymer Systems 	<p>The innovative ChemVac™ dry polymer makedown system, features a unique "high performance / high pressure" nozzle, providing one of the most efficient wetting systems available. Allen Bradley PLC and operator interface used to provide automatic control and monitoring.</p>	<ul style="list-style-type: none"> • Feed rates to 1,000 kg/day > 1% concentrations Eliminate "fish-eyes" • Dust-free wetting • Stainless steel construction • CSA control panels
Liquid Polymer Systems 	<p>The Activator™ series of liquid polymer systems provide fast and complete inversion of polymer. Allen Bradley PLC and operator interface used to provide automatic control and monitoring.</p>	<ul style="list-style-type: none"> • Dilution flows from 5 gpm to over 100 gpm • Unique "Smart-Mixer" and post dilution mixing • Stainless steel construction • CSA control panels

Start-up service available on all systems



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