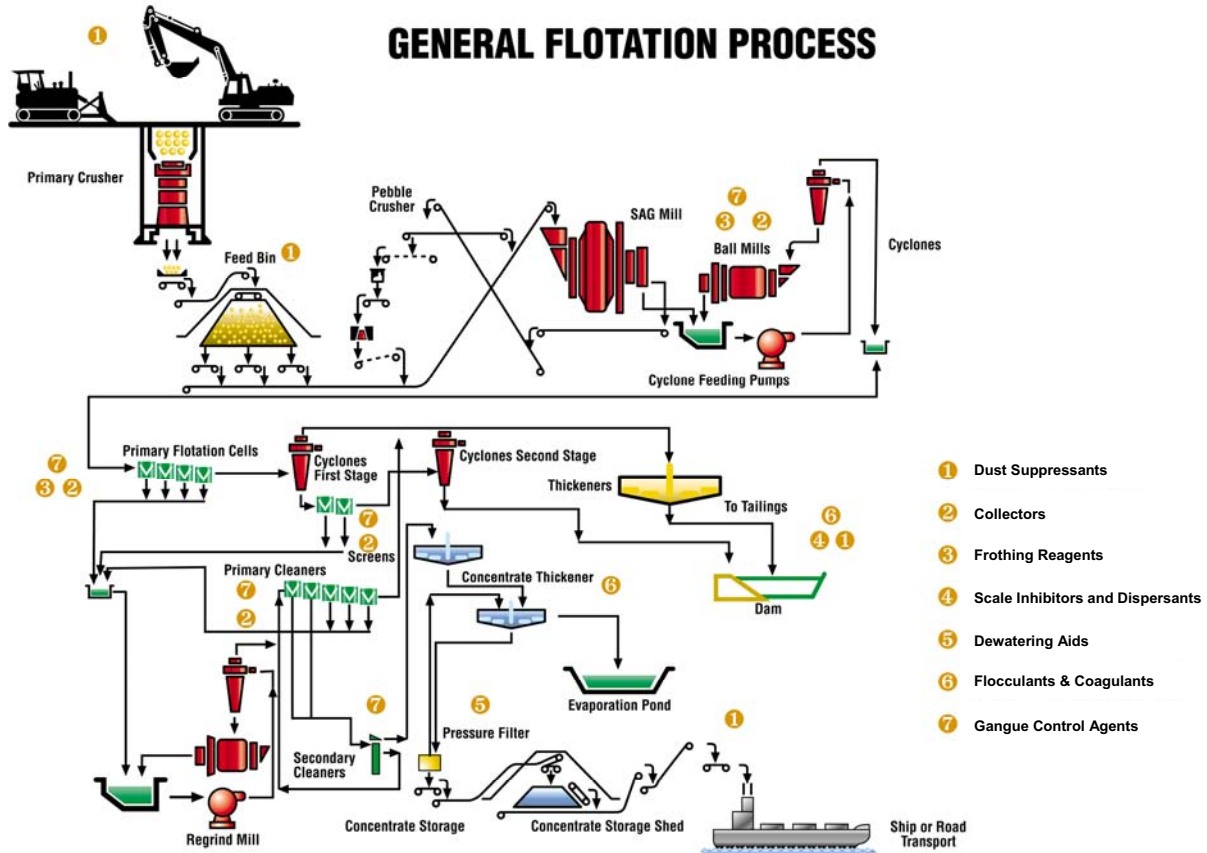


Engineered Systems - Mining Industry Applications

Hayward Gordon is a leading provider of specialized products and engineered solutions. Our equipment, systems and services are dedicated to helping customers to optimize the performance of their processes. Time and time again. We help our customers to pump, convey, mix, and transport products such as oil, water, reagents/chemicals, dry powders and slurries.

What makes these systems so appealing? They're heavy duty, long lasting and reliable. In addition, they are easy to maintain and repair, and versatile. Refer to the backside of this flyer for more details.



Typical Equipment Applications / Services

- Acids
- Activators
- Alkali's / Caustics
- Antifoam/ Defoamers
- Biocides/ Slimicides
- Bleach agents
- Chemical / Reagent Injection
- CMC Makedown
- Collectors/ Promoters
- Coagulants
- Corrosion Inhibitors
- Depressants
- Dewatering / Filter Aids
- Dispersants/ Antiscalants
- Emulsifiers
- Fatty Acids
- Flocculants
- Frothers
- Hydrated Lime
- MIBC
- Oils
- Organic Solvents
- pH Modifiers
- Polymer makedown
- Scale Inhibitors
- Soda Ash
- Sodium hydroxide (NaOH)
- Sodium Hydrosulfide (NaHS)
- Surfactants/ Wetting Agents
- Thickeners
- Xanthates

Montreal

Tel: (514) 697-6445
Fax: (514) 697-1164

Toronto (Head Office)

Tel: (905)693-8595
Fax (905)693-1452

Calgary







Tel: (403) 253 2737
Fax (403) 253-1353

Vancouver

Tel: (604) 986-8764
Fax (604)986-8794



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



HEAD OFFICE

5 Brigden Gate
 Halton Hills, ON L7G 0A3
 Tel (905) 693-8595
 Fax (905) 693-1452

www.haywardgordon.com
info@haywardgordon.com

MONTREAL

Tel (514) 697-6445
 Fax (514) 697-1164

CALGARY

Tel (403) 253-2737
 Fax (403) 253-1353

VANCOUVER

Tel (604) 986-8764
 Fax (604) 986-8794