



## Pulp & Paper Solutions

FLUID PROCESS EQUIPMENT  
SERVICE & REPAIR  
INSTALLATION  
SKID SYSTEMS

### PUMPS



End suction, split case, vertical, and centrifugal pumps



Precision metering pumps



Self-priming centrifugal, submersible, engine driven, and air-operated diaphragm pumps. Packaged water and wastewater stations



Heavy duty ANSI centrifugal, vertical turbine, split case, and submersible pumps



Water and mild chemical centrifugal pumps



Progressive cavity and chopper pumps



Mechanically sealed and magnetically driven positive displacement, single & multi-stage centrifugal, turbine, composite and alloy gear pumps



High pressure, single-stage pumps



Heavy duty gear and rotary lobe pumps



Hidrostal screw centrifugal, Vortex, and Torque-flow submersible pumps



Submersible pumps and mixers



Heavy duty rotary lobe pumps



Metering pumps



Centrifugal and turbine pumps



In-line vertical multistage and digital dosing pumps



Metering pumps and systems



Positive displacement pumps, including the Flexible Impeller Pump for viscous and shear sensitive products



Chemical injection, precision dosing, and diaphragm pumps



Magnetically driven metering pumps



Replacement parts for industrial pumps and rotating equipment



Teflon and glass lined single acting diaphragm pumps



Twin screw, vacuum, and slurry pumps



Corrosion resistant, drum, and magnetic drive pumps; filtration systems



Sanitary air-operated diaphragm pumps



Heavy duty positive displacement and sanitary centrifugal pumps



Peristaltic pumps

### SEALING SOLUTIONS



Mechanical seals, bearing isolators, packing, gasketing, and environmental controls



Air purge seals for horizontal mixers, blenders, and screw conveyors

### MIXERS



Submersible mixers



Top and side entry mixers



Power load monitors, soft starts (formerly Emotron)



Pressure and temperature instruments

**PyroMATION INC.**

Temperature sensors, RTD's, thermocouples, and accessories



**ITT ProSmart**

Rotating equipment condition monitoring



**ITT PumpSmart**

Pump control and protection

## FILTERS, STRAINERS, & SEPARATORS



Strainers, bag filters, cartridge filters, gas/liquid separators, mechanical & backwash self-cleaning filters and strainers



Oil filtration



Bag and cartridge filters



Automatic, self cleaning water filters & strainers



Thompson strainers, Turbo-Disc self-cleaning depth media, and Ultra-Pure membrane filters



Teflon lined in-line strainers

## WATER / WASTEWATER



HST - high speed blower



Screening and solids handling



Self-cleaning belt filter and phosphate removal



Odor control, radium, arsenic, nitrate, ammonia, iron/manganese, calcium/magnesium, chromium/metals, barium, and uranium removal



Positive displacement blowers and packaged systems



Screens, clarifiers, and grit removal



Dissolved Air Flotation thickeners and the Air Dissolving Tube



Screens, clarifiers, oxidation ditches, and grit removal



Knife gate, slide gate, sluice gate, and check valves



Thickening and dewatering systems



Polymer (dry & liquid) make-up systems and solids metering systems



Aluminum dome covers



Cast Steel Cast Iron

General service butterfly, high performance butterfly, UL listed, globe, iron, bronze, and carbon steel body gate, SST gate, UL listed, ball & check, double-plate, and uni-check valves



Knifegate, sluice-gate, slide gate, and check valves



Globe, angle, 3-way, steam jacketed, high performance butterfly, Y-body, V-port ball, and eccentric plug valves



Ranger QCT rotary eccentric plug, globe, 3-way and Y-pattern globe. Regulators - pressure reducing and back pressure



Ball valves; 2 piece & 3 piece flanged, tri-clamp, and flanged actuators



Stainless steel, ductile iron, gear, high-cycle, and fast-acting actuators



Electric, on/off, modulating, quarter turn, and line actuators



High performance wafer check valves

## SERVICE, INSTALLATION, & REPAIR



Pump, valve, and gearbox repair



Valve and instrumentation calibration



In-field troubleshooting, installation, and start-up assistance



Custom skid systems



Laser alignment



Floor coatings, tank linings, and corrosion resistant products



**Plant Performance Services (PPS)** - focuses on the issues of efficient pump ownership that most plants simply don't have the time or manpower to sustain and can drastically lower the total cost of ownership with **average annual savings of 25%**.

