

MECHANICAL

Engineering/Design Services

Material Handling Systems and Equipment Design and Analysis

- Belt, Roller, Vibrating, Bucket, & Screw Conveyors & Feeders
- High and Low Pressure Pneumatic Conveyors
- Truck and Rail Car Unloading for Dry Bulk and Liquids
- Truck, Rail, Belt and Batch Weigh
- Bin, Bunk, Silo and Tank Storage Systems

Piping and Fluid Flow Systems Design and Analysis

- Pumps, Valves and Component Selection for Piping Systems
- Air, Steam, Condensate, Gas and Oil Utility Piping Design
- Process and Chemical Industrial Piping Design
- Piping System Thermal Expansion Analysis
- Fire Protection Systems Design
- Tank and Pressure Vessel Design
- Compressed Air, Gas and Vacuum Systems Design
- Plumbing Design
- Hydraulic Power Systems

HVAC and Air Handling Design and Analysis

- Space Temperature and Humidity Control
- Industrial Ventilation
- Environmental
- Chilled Water Systems
- Cooling Towers

Energy Systems Design and Efficiency Analysis

- Boiler Plant Facility Design
- ASME Pressure Vessels
- Boiler Combustion and Efficiency Analysis
- Stack Gas Analysis
- Heat Transfer & Heat Exchanger

New, Upgrade and Retrofit Machine Design and Analysis

- Power Transmission
- Mechanical Equipment Stress and Vibration Analysis
- Custom Electro/Pneumatic Machinery Design
- Paper Machine & Roll Handling Retrofit
- Log, Lumber, Panel & Engineered Wood Machinery Selection and Design

Industrial Engineering

- Manufacturing Layouts and Process Evaluations
- Economic, Production & ROI Studies and Evaluations

EVERGREEN ENGINEERING

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