

# **THERMAL & *Hydraulic***

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## **PRINCIPALS & PRODUCTS WE REPRESENT**

### **STOCK EQUIPMENT COMPANY - Chagrin Falls, Ohio**

- Coal flow systems (bunker to pulverizer/bunker to stoker)
- Gravimetric & volumetric feeders, coal valves, etc.
- Coal Scales
- Bulk material valves
- Non-pressurized gravimetric bulk material feeder
- Burner line valves
- Conical non-segregating distributors
- Complete bulk material handling equipment including:
  - Bulk Reception Units
  - Drag chain conveyors ( enmasse)
  - Belt Conveyors
  - Apron Feeders
  - Yard Feeders
  - Stacker and Reclaimers
  - Trippers
  - Bulk material intake systems
  - Bucket & Belt elevators
  - Drop forged chain
  - Ash and fuel handling systems

### **DETROIT STOKER CO. - Monroe, Michigan**

- Hydrograte stokers
- Rotograte stokers
- Reciprograte stokers
- Fuel distributors and rotary seal feeders
- Combustion system inspection, repair and rebuild services
- Quality replacement parts

### **GEA RAINEY CORP. – Catoosa, Oklahoma**

- Air-cooled heat exchangers constructed from carbon steel, stainless steel and exotic alloys to withstand pressures in excess of 12,000 psig, API and non-API designs
- Replacement tube bundles for air-cooled heat exchangers
- Air-cooled steam condensers

### **PETRO-CHEM USA DEVELOPMENT INC. – New York NY**

- Fired heaters for all petroleum and petrochemical applications
- Fired heater revamps including fast tracked rebuilds
- Fired heater studies
- NOx reduction systems for heaters, turbines, HRSG's, boilers and IC engines
- High temperature, reforming and pyrolysis furnaces including styrene steam superheaters, EDC crackers, steam reformers, acetic acid crackers, etc.

### **GEA POWER COOLING INC.– Lakewood, Colorado**

#### Wet Cooling

- Custom engineered counterflow and crossflow cooling towers
- Plume abated cooling towers
- Fiberglass, wood or concrete structures
- Inspection, repair and upgrade services

#### Dry Cooling

- Air-cooled condensers
- Parallel condensing systems (PAC systems)

#### Specialty Products

- Recuperators or Regenerators
- Rotor air coolers and fuel gas heaters

### **GEA POLACEL USA, LLC– Houston, Texas**

- Cooling towers
- Counterflow and crossflow designs
- Predesigned and fully module towers
- Advanced stainless steel support structure

## **SPX PROCESS EQUIPMENT-COPES VULCAN DIV.-McKean, Pennsylvania**

- General service, globe style control valves designed to match any general service requirement. ANSI pressure classes 125-600.
- Severe duty globe style control valve. 0.75” through 20” sizes, ANSI pressure class 150-4500.
- Severe duty, critical service design with multiple trim selections.
- Nuclear certified, ASME N and NPT stamps
- Direct and indirect acting pneumatic diaphragm actuators

### Desuperheaters, all types and complete range

- Mechanical atomizing for attemperating applications on steady loads
- Variable annulus desuperheater
- Variable orifice type VO-11, VO-76, high pressure and temperature service (ANSI 1500 and above)
- Steam assisted desuperheating stations

### Steam Conditioning Valves

- Pressure reducing and desuperheating valve
- Direct steam converting valve

## **HAMON RESEARCH-COTTRELL – Somerville, New Jersey**

- Electrostatic precipitators, wet and dry types, all applications
- Fabric filters-reverse air and pulse jet designs
- SNCR NOx removal technologies
- Repair and rebuilding-upgrades to all makes

## **AIR MONITOR CORPORATION – Santa Rosa, California**

- Air flow measurement equipment
- Pulverized coal flow measurement equipment

## **JMS FABRICATED SYSTEMS - Latrobe, Pennsylvania**

- Engineers of ceramic wear components including engineering, design, metal fabrication and installation. Specialists in industrial and thermal power station wear applications; ceramic lined burner nozzles, PC elbows.

### **ABS PUMPS - Meriden, Connecticut**

- Ultima canned pumps (dry running bearings-zero leakage)
- Mixers
- Submersible pump

### **GEORGIA IRON WORKS INDUSTRIES, INC. (GIW) - Grovetown, Georgia**

- Large pulverizer castings and wear parts for B&W and CE mills

### **NEWCON COMPANY - Hibbing, Minnesota**

- Knife gate slurry valves - replaceable one-piece urethane liner
- Mining, power plant and FGD applications

### **TLT-BABCOCK INC - Akron, Ohio**

- Ash handling equipment
- Dampers of all types e.g. guillotine, louver, butterfly, diverter and poppet
- Standard and custom engineered expansion joints

### **KANSAS CITY DEAERATOR.- Overland Park, Kansas**

- Deaerating feedwater heaters
- 10,000 PPH to 10,000,000 PPH capacities

### **VICTORY ENERGY INC. – Owasso, Oklahoma**

- Package boilers-water tube type 20,000 pph through 200,000 pph
- Package boilers-fire tube type
- HRSG boilers-water tube and fire tube type

### **TEIKOKU USA INC. - Houston, Texas**

- Zero leakage canned motor pumps
- High temperature applications
- All types including horizontal, vertical, steam jacketed, multi-stage, self-priming and slurry applications

**AQUATECH INTERNATIONAL CORP. - Canonsburg, Pennsylvania**

- Complete water and waste water treatment including:
- Pretreatment for almost all raw water sources
- Demineralizing water including ion exchange and membrane systems (reverse osmosis)
- Waste water treatment systems
- Chemical feed equipment

**BOILER TUBE CO. OF AMERICA - Lyman, South Carolina**

- Sootblowers and aftermarket parts for all manufacturers of sootblowers
- Boiler tubes
- Intec access doors