

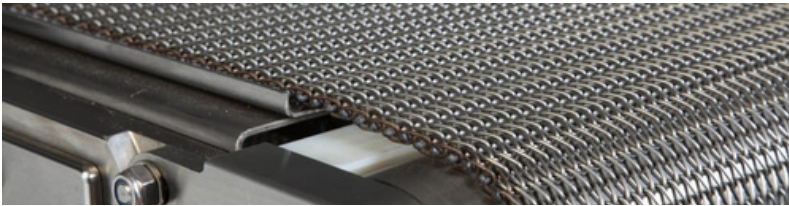


HEAT TREATMENT FEATURED INDUSTRY

Expertise That Improves Heat Treatment Process Efficiency

Heat-treating processes are unmistakably diverse. These processes require different types of gas generation; soak and quench times; and atmosphere and temperature control. As customers demand higher quality and faster delivery Heat-treating experts are turning to technology-driven automation control solutions.

Centro helps heat treatment shops reach industry-standard performance targets using our cross-functional expertise in automation controls and instrumentation, measurement, and control products effective solutions in the Heat-treating industry.



Dorner's flat belt conveyor GES-80-RDG is equipped with a round wire linked belt. It is especially suitable for transporting extremely hot items.



Eurotherm reduces engineering time, costs, and improve process performance in vacuum, sealed / batch, and quench furnaces and autoclaves.

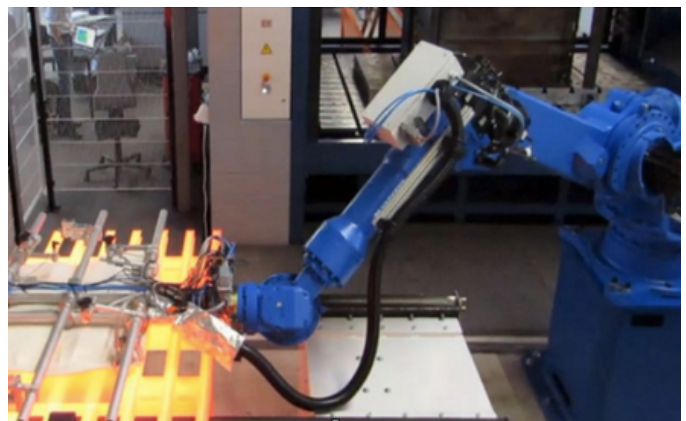


Pyromation has MgO-insulated thermocouple pipe well assemblies which allow for easy and quick replacement of sensor assemblies.



Benefits of Automation in Heat-Treating

- ✓ REDUCE THE NUMBER OF SCRAPPED LOADS
- ✓ MORE EFFICIENT TASK MANAGEMENT
- ✓ MORE COST-EFFECTIVE PROCESSING OPTIMIZATION
- ✓ CONSISTENT QUALITY CONTROL
- ✓ DATA ACQUISITION FOR HIGHER PRODUCTIVITY
- ✓ PROCESS AND ENERGY OPTIMIZATION



Yaskawa Motoman robot loading plates into clamping frames and then inserting the frames into a heat-treating unit.



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Featured Heat Treating Vendors



Eurotherm provides flexible heat treatment solutions for Process and Energy Optimization, Precision Control, and High Integrity Data Management using EcoStruxure™ - Schneider Electric's open IoT-enabled system architecture and platform.



Dorner is one of the leading manufacturers of conveyor systems. For more than 40-years, Dorner has provided solutions for a multitude of industrial applications. The Dorner wire-linked conveyor belt option is ideal for heat treat, high-temperature environments.



ASCO valves are synonymous with safety, and ASCO valves and actuators used for combustion systems in heat treatment are no exception. ASCO valves provide more solenoid-operated combustion valves to the non-residential heating equipment.



Thermocouples with protection tubes are available for insertion in high-temperature, industrial processes. Pyromation offers thermocouples that meet furnace certifications and Magnesium Oxide (MgO) thermocouples that can be formed to fit almost any application.



Yaskawa Motoman currently has over 500,000 installed globally. Yaskawa provides automation products and solutions for virtually every industry and robotic applications including assembly, coating, dispensing, material handling, material cutting, and heat treat.



Direct Conveyors wire mesh conveyor series is the perfect solution for high-temperature applications. Within their wire mesh series, the optional cleated stainless steel conveyor belt is a popular option for quench tanks.



Sage Metering is a manufacturer of high-performance Thermal Mass Flow Meters frequently used for energy management systems to monitor and improve energy efficiency by measuring flow rate and consumption of gases in industrial applications.



Our mission is to be regarded by our customers and community as the best supplies of automation and control product solutions to Industry

CORPORATE OFFICE AND DISTRIBUTION CENTER

3315 Overton Crossing
Memphis, TN 38127
P: 901-357-1261 | F: 901-257-1379

CENTRO BRANCHES

320 Nancy Lynn Lane, Suite 7
Knoxville, TN 37919
P: 865-588-7473 | F: 865-588-8861

6800 Bert Kouns Industrial Loop
Shreveport, LA 71129
P: 318-221-2347 | F: 218-227-1927

321 Hill Avenue
Nashville, TN 37210
P: 615-255-2220 | F: 615-255-2212

3794 Abigail Drive
Theodore, AL 36582
P: 251-626-0100 | F: 251-626-0310

Advanced Industry Support

6400 Shelby View Drive, Suite 100
Memphis, TN 38134
901-383-9744 | F: 901-383-8369

7600 Hardin Drive
Little Rock, AR 72117
P: 501-835-2193 | F: 501-835-2277

102 Ashley Lane
El Dorado, AR 71730
P: 870-881-8383

2423 1st Avenue South
Irondale, AL 35210
P: 205-703-9810 | F: 205-703-9811