

HOT STUFF

HEAT TREATING NEWS

New Basketless Heat Treatment System from Can-Eng

The patent-pending basketless heat treatment systems from Can-Eng are designed for manufacturers of aluminum products requiring process heating or thermal processing.

This system is capable of providing process heating or thermal processing and T4, T5, T6 and T7 thermal processes for sand, permanent mold and thin-walled castings and wrought products.

According to the company's press release, the re-structured airflow throughout the heating chambers facilitates improvements in product thermal profiles.

For more information, contact Can-Eng by telephone at (925) 356-1327 or by e-mail at tdonofrio@can-eng.com.

Jore Corp. Orders Surface Combustion Furnace

The Jore Corp. of Ronan, MT, has ordered the Uni-Blue atmosphere furnace from Surface Combustion.

This furnace is the latest extension of the Uni-DRAW and MetaLined batch furnace product lines. The Uni-Blue furnace has an "inside-out" construction that consists of an internal stainless steel casing assembly with an external layer of insulation and light gauge steel/metal covering. According to the company's press release, this design protects the insulation from contaminants which could impregnate the insulation lining of a conventionally designed furnace.

The furnace design provides for a circular wind flow along the inside of the furnace's internal casing. It is electrically heated with sheathed-type heating elements that prevent the direct exposure of the actual heating elements to the furnace atmosphere. Also included in the furnace design are four specially designed water cooled fin tubes for quickly cooling workloads.

Jore Corp. designs, manufactures and markets power tool accessories and hand tools.

New General Manager at Wall Colmonoy

Donald C. Hainley has been named general manager of Wall Colmonoy Corp.'s Dayton business unit.

According to the company's press release, he will oversee thermal spraying, furnace brazing and thermal processing of all types of materials.

Hainley has 20 years' experience in heat transfer technology and product development for the aerospace industry. His most recent position was technical director for an aerospace component manufacturer.

Wall Colmonoy manufactures metal coating and joining products and offers alloy manufacturing and contract services in prototype development, overhaul, brazing, heat treating and precision machining.



Donald C. Hainley

SECO/WARWICK Furnaces Installed Worldwide

SECO/WARWICK delivered a vacuum furnace with a convection heating and 10-bar gas quenching system to the Bodycote Heat Treatment Centre at Woodford, Cheshire, U.K.

According to the company's press release, this furnace is capable of hardening, vacuum carburizing, annealing and tempering on a variety of loads.

This equipment is designed for the needs of commercial heat treaters. Convection heating enables a hardening and multi-stage tempering of the load in a single furnace cycle.

Bodycote's Woodford facility was the first heat treatment plant in the U.K. to specifically service the aerospace industry. Last year, it was the first sub-contract heat treatment service in Europe to gain NADCAP approval.

In recent weeks, several other SECO/WARWICK furnaces have been installed at international companies. Cooper Power Systems has purchased a new transducer core annealing furnace system for its facility in Jalisco, Mexico. A semi-continuous, three chamber, electrically heated CuproBraz furnace system will be the seventh CuproBraz system installed at Suomen Jaahdytintehdas Oy, a Finnish-based radiator manufacturer.

Lastly, Metals Technology Corp. has purchased the 15-bar Universal High Pressure Quench Vacuum Furnace for its heat treat facility in Carol Stream, IL.

Surface Combustion and Air Products Introduce Joint Marketing Strategy

Surface Combustion Inc. and Air Products & Chemicals have entered into an agreement in which both companies will jointly market their product lines to the metals processing industry.

Industrial gases, services, and atmosphere generating equipment are among the technologies the two companies will promote.

Surface Combustion of Maumee, OH, manufactures thermal systems in the metals processing and heat treating industries.

Air Products & Chemicals supplies industrial gases to customers who use Surface Combustion's PUREFIRE atmosphere systems.

"Many times, our customers require a combination of industrial gases and generated atmosphere for their specific metallurgic application for an economic reason," says Daniel E. Goodman, Surface Combustion's vice president of sales, in the company's press release.

Brown Named Inductoheat's Division President



Douglas R. Brown was named president of the forging division at Inductoheat's Madison Heights, MI, office.

According to the company's press release, his new responsibilities

include the global sales, marketing and manufacturing of induction heating for forging products, including the recently released InductoForge line of billet heaters.

Brown has worked in the induction heating industry for the past 25 years and specialized in forging for the last 15 years. Most recently, he served as director of forging for Inductotherm's North American operation as well as president of the Alpha 1 Induction Service Center.

New Sales Rep at Vacuum Furnace

Stanley Zinn was hired as the New York sales rep for Vacuum Furnaces Corp. of Souderton, PA.

Zinn is the owner of Fettotherm Inc., a Rochester-based firm that specializes in providing process heat treating. With

this new contract, Zinn will cover the entire state with the exception of the New York City metropolitan area.

According to the company's press release, Zinn has been involved in the thermal processing industry for the past 50 years. He holds memberships in the American Society of Engineers, the Society of Manufacturing Engineers (SME), and he is a founding member of the Heat Treat Institute.



Stanley Zinn

Vacuum Furnace Sells Furnace to Bio-Vac

Vacuum Furnace Corp. sold a vacuum furnace to Bio-Vac Corp. for its Southfield, MI, orthopedic coatings plant. The new horizontal two-bar external quenching system will join four other VFS furnaces currently in operation at this plant, plus two at the Bio-Vic facility in Valencia, Spain.

According to the company's press release, the Model HEQ03836-2 minimizes oxidation and enhances adhesion and luster of the coating. The furnace has a work zone of 24" wide by 24" high x 36" deep and a graphite-insulated hot zone and GraForm curved graphite heating elements that can be used in their proprietary coating process for orthopedic implants. In addition, the furnace's programmer/controller contains an interactive touch-screen workstation.

Vacuum Furnace designs and manufactures high performance vacuum furnaces for thermal processing applications in the metal treating and brazing technologies industries.

Executive Appointments at Watlow

Watlow, a designer and manufacturer of heaters, controllers and temperature sensors, has named Harvey Feldstein product manager for the company's swagged/non-swagged (SNS) product line. He was most previously employed at Cooper Bussmann as senior product manager responsible for developing annual product line business plans, competitive product/market positions and distribution channels.

Steve Rhoads was promoted to director of operations. Among his new responsibilities are swagged/non-swagged operations as well as overall facilities management.



Harvey Feldstein

Rhoads has been with the company for the past 28 years, most recently as a senior operations manager.

Fran Fritz was hired as European marketing manager. Prior to joining Watlow, he was employed by Johnson Controls of Milwaukee, WI, as divisional products manager where he worked in both the United States and Germany.

Heatbath Acquires the Assets of Chemtech Finishing

Heatbath Corp. of Springfield, MA, has acquired the assets of Chemtech Finishing Systems.

According to a letter from Chemtech's president, key personnel with Chemtech will be retained, and production to their customers will not be interrupted due to their distribution through Heatbath's facilities.

Heatbath Corp. and its subsidiary Park Metallurgical manufacture heat treating salts and quenchant as well as metal finishing products.

New contact information for Chemtech orders and service are:
Phone: (413) 452-2000
Fax: (413) 543-2378

Latest Nitrex Installations and New Japanese Distributorship

Nitrex completed a turnkey installation of two NX-1025 systems at DaimlerChrysler do Brasil for treating automotive gears.

According to the company's press release, the furnace has a work zone diameter and height of 1,000 mm x 2,500 mm (40"x 98"), a 5,000 kg load capacity, and are outfitted with two closed-loop cooling systems as well as a neutralizing unit to eliminate effluent gases.

Earlier, Hitachi Canadian Industries had started up a top-loading 2,000 kg load capacity, NX-820 system in Saskatoon, Saskatchewan for nitriding stainless steel generator components used in the power generation industries.

Finally, Nitrex Metal has contracted Correns Corp. to supply the complete line of Nitreg® nitriding and nitrocarburizing systems to the Japanese metal processing industry.

Alfe Heat Treating Celebrates 25th Anniversary

Alfe Heat Treating recently celebrated its 25th anniversary.

The company currently has nine facilities throughout the country.

Alfe Heat Treating is owned by Alfe Corp.

Ipsen Ships Furnace Line to Taiwan

The Ipsen I/O 3000 internal quench batch furnace line has been sold and shipped to the Shenli heat treating facility in Taiwan to heat treat various components for automotive and tool and die manufacturers.

According to the company's press release, this furnace has a rigid housing, durable door assembly and ceramic muffle providing tight atmosphere and temperature uniformity. In addition, both atmosphere furnaces operate electrically with an integral oil quench, two endothermic generators with air-cooled heat exchanges and two directional load cars for loading and unloading parts.

Ipsen International of Rockford, IL, manufactures atmosphere and vacuum heat treating furnaces and systems, process controls, automation and supervisory technology.

New Temperature Control Systems from Chromalox

The new HACS system from Chromalox provides temperature control and air handling capabilities for any large capacity temporary heating application.



According to the company's press release, the unit does not produce emissions and is designed for the maximum combination of flow, control, construction and monitoring options.

Air handling units can be designed up to 150 kW and 7,000 SCM air at 5" WG.

For more information, contact Chromalox of Pittsburgh, PA, by telephone at (800) 443-2640 or on the Internet at www.chromalox.com.

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