
Hotspot

Grieve Corporation has available an 80-page *catalog of industrial ovens, furnaces, and custom heat-processing systems*. More than 350 instruments are detailed: laboratory, bench, cabinet, universal, truck, cleanroom, walk-in, and conveyor ovens; as well as bench, tool room, laboratory, box, car-bottom, and tube furnaces. For a copy, contact: Grieve Corp., 500 Hart Rd., Round Lake, IL 60073-9989; tel: 847/546-8225; fax: 847/546-9210; e-mail: bandc@interaccess.com.

Welduction will *induction harden crankshafts* at its Farmington Hills, MI, facility. Mains, pins, and oil seals are selectively hardened to assure process performance and consistent control. In other company news, Welduction has received a Q1 quality rating from Ford Motor Co., Dearborn, MI. For further information, contact: Daniel J. Williams, President, Welduction Corp., 24492 Indoplex Circle, Farmington Hills, MI 48335; tel: 810/442-0200; fax: 810/442-9353.

Seco/Warwick has *posted a home page on the Web* at <http://www.seco-warwick.com>, with metal minutes, press releases, corporate history, and international office links. The page can also be accessed via a link from the Thomas Register site at <http://www.thomasregister.com>. For further information, contact: Seco/Warwick Corp., 180 Mercer St., Meadville, PA 16335.

CarbPC from Marathon Monitors is a *carbon controller for atmosphere control in heat-treating applications*. The instrument performs automatic probe testing; has host communications capability for data logging of process variables, probe tests, and PID loop control; and displays mV and probe temperatures. For further information, contact: Marathon Monitors Inc., 3100 E. Kemper Rd., Cincinnati, OH 45241; tel: 513/772-7788; fax: 513/772-7853.

Neural Applications Corporation has joined with Baldor Electric Company, Ft. Smith, AK, to create a four-quadrant regenerative drive controller and ac motor that interfaces with Neural's Intelligent

Arc Furnace. The *drive and motor subsystem for dc drive electric arc furnace electrode positioning systems* have been designed for use in steelmaking applications. For further information, contact: Kurt W. Kimmerling, Neural Applications Corp., 2600 Crosspark Rd., Coralville, IA 52241; tel: 319/626-5000; fax: 319/626-5001; e-mail: kkimmerling@neural.com; web: <http://www.neural.com>.

Michigan Induction, a commercial induction heat treat corporation, has received *QS 9000/ISO 9002 registration and a Q1 rating* from Ford Motor Company, Dearborn, MI. For further information, contact: Eric Hutton, Michigan Induction, 8468 Ronda Dr., Canton, MI 48187; tel: 313/459-8514; fax: 313/459-8795.

Harper International has *established a web site at <http://www.harperintl.com> and an e-mail address at info@harperintl.com*. Posted on the web site is information on advanced ceramics, ferrites, electronic ceramics, carbon fibers, lighting products, inorganic chemicals, waste processing, energy systems, nuclear fuel, and metals processing. A technology page covers the company's thermal processes and equipment development and its computer-based control systems. For further information, contact: Harper International Corp., W. Drullard Ave., Lancaster, NY 14086; tel: 716/684-7400; fax: 716/684-2811.

Vitta, a manufacturer of brazing alloys and filler metals, has launched a *site on the Web at <http://www.vitta.com>*. The site offers descriptions of the company's nickel-base alloys, an alloy cross-reference chart, and contact information. The company plans to post information on brazing techniques and links to related sites. For further information, contact: Vitta Corp., 7 Trowbridge Dr., Bethel, CT 06801; tel: 203/790-8155; fax: 203/778-6478.

Charles A. Hones Inc. has issued a four-page condensed catalog of *Buzzer industrial process heating equipment*. The catalog pictures and describes the most

popular types of gas-burning equipment for process heating and furnaces for heat treating and nonferrous metal melting. For a copy, contact: Charles A. Hones Inc., 607 Albany Ave., P.O. Box 518, North Amityville, NY 11701-0518.

Barber-Colman Industrial Instruments, a manufacturer of dedicated electronic control systems and components for plastics and rubber injection, extrusion, and blow molding machine control applications, *has created a Web site* at <http://www.barber-colman.com> to provide customers with a medium to access company and product information. Pages cover products, global sales and support, and employment inquiries. Visitors can download PDF files of technical products data or contact the company via an e-mail link. For further information, contact: Barber-Colman Industrial Instruments, P.O. Box 2940, Loves Park, IL 61132-2940; tel: 815/637-3823; fax: 815/637-5341.

The MultiPro *flexible process controller for heat-treating* applications, from Marathon Monitors, has single- or dual-loop control for temperature and atmosphere operations, as well as multiple alarms, event monitoring, analog outputs, and four optically isolated serial ports. A serial interface port lets the user attach a bar code reader, mouse, or laptop computer. For further information, contact: Marathon Monitors Inc., 3100 E. Kemper Rd., Cincinnati, OH 45241; tel: 513/772-7788; fax: 513/772-7853.

Heating Induction Services has printed a four-page brochure on its *induction heating systems for forging, melting, brazing, and heat treating*. The systems have an average uptime of 92%. Technological innovations and case studies are discussed, as well as pusher, continuous-drive, walking-beam, wide-oval, and transverse-coil material handling. For a copy, contact: Heating Induction Services Inc., 24483 Sorrentino Ct., Clinton Township, MI 48035; tel: 1/800/966-3160; fax: 810/791-3054.

A brochure from Tocco describes models 300 and 305 *scan-hardening systems*.

which are designed to accommodate the lower volume and faster changeover requirements of commercial heat treaters performing induction-hardening operations. The systems will process parts of 22 kg (50 lb) weight and 90 cm (36 in.) length. For a copy, contact: Dennis Augustin, National Sales Manager, Tocco Inc., P.O. Box 447, Boaz, AL 35957; tel: 205/593-7770.

Cleveland Black Oxide has introduced Bi-Met, a *reduced-temperature hot black*

oxide process. The process produces a cleaner black oxide than traditional processes. The black oxide penetrates the part and adds no more than 0.125 to 0.25 μm (5 to 10 $\mu\text{in.}$). The process can be used on dissimilar materials that have been copper brazed, silver soldered, or welded together. The treatment provides corrosion resistance of 100 h of salt spray exposure. For further information, contact: Cleveland Black Oxide, 846 Broadway Ave., Cleveland, OH 44115; tel: 216/861-4431; fax: 216/861-0711.

The DCP 100 *digital controller programmer*, from **Honeywell**, is suited for use in controlling process variables (such as temperature, humidity, flow, and pressure) versus time in heat-treating applications. The programmer has universal inputs, universal power supply, and plug-in options boards. The instrument can store eight programs of 16 segments. For further information, contact: Honeywell Inquiries, 2800 Wells Branch Pkwy., Austin, TX 78728; tel: 1/800/288-7491; fax: 512/244-9222; web: <http://www.iac.honeywell.com>.
