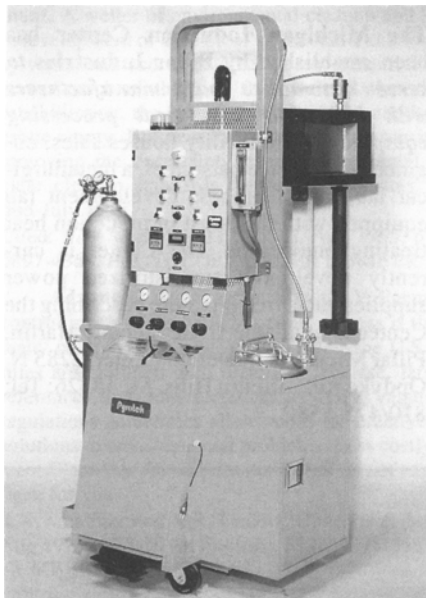


COGEBI, Inc. has introduced several *asbestos-free insulation products*. Cogetherm 505 sheets are constructed from layers of reconstituted micapaper into plates up to 3 in. thick. Featuring heat resistance to 1472 °F (continuous) and 2100 °F (intermittent) with low thermal conductivity and 25 KV/mm dielectric strength, these sheets are intended for industrial gasket applications. Also available is COGEMICA 700 in either roll or sheet form, with thicknesses ranging from 0.012 to 0.032 in. For further information, contact COGEBI Inc., 14 Faraday Drive, Dover, NH 03820; tel: 603/749-6896; fax: 603/749-6958.

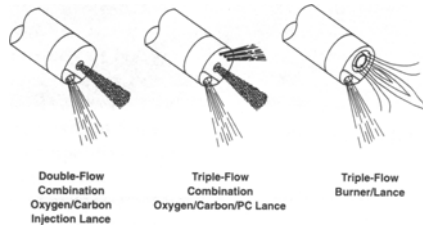
The PAL-2500 from **Pyrotek, Inc.** provides *spinning rotor degassing and flux injection functions in a compact mobile unit*. The functions operate independently, or simultaneously, and effectively treat metal in crucible furnaces, bull ladles, and furnace wells. The spinning degassing function removes unwanted hydrogen from melts and the flux injection feature promotes oxide entrapment and de-wets alumina particles, minimizing metal loss by creating drier dross. For further information, contact Anna Henry, Pyrotek, Inc., E. 9503 Montgomery Ave., Spokane, WA



Pyrotek, Inc.

99206; tel: 509/926-6212; fax: 509/927-2408.

Berry Metal Company has introduced *three multipurpose water-cooled oxygen lances for electric arc furnaces that will decrease heat times*. All lance designs can be retrofitted to existing systems. One lance is double-flow combination oxygen/carbon injection, offering carbon for slag foaming plus metallurgical oxygen for refining. A second design is a triple-flow combination oxygen/carbon/PC lance, with carbon for refining plus post-combustion oxygen for heat recovery. The triple-flow burner/lance design uses natural gas and combustion oxygen to form a burner plus metallurgical oxygen for refining. For further information, contact Berry Metal Company, Harmony PA 16037; tel: 412/452-8040.



Berry Metal Company

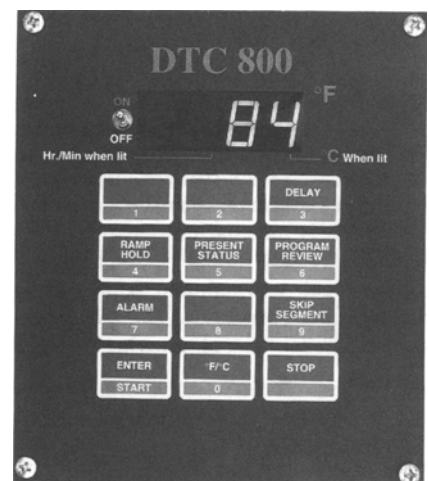
Neural Applications Corporation and Nikko Industry Co., Ltd. have announced a joint agreement designating Nikko as the *exclusive distributor in Japan for Neural's patented neural-network-based Intelligent Arc Furnace Controller*. Neural has also been named the exclusive North American representative for Nikko's steel making equipment. As part of this agreement, Nikko and Neural will jointly market Nikko-manufactured three-phase electric arc furnaces equipped with IAF Controllers. For further information, contact Neural Applications Corporation, 2600 Crosspark Rd., Coralville, IA 52241; tel: 319/626-5000; fax: 319/626-5001.

POSCO Iron and Steel of Korea has ordered *six more bell-type annealing fur-*

naces from **NASSHEUER LOI**, now a division of LOI THERMPROCESS. For the local production of components for the plant, a joint venture has been formed with POSMEC, a subsidiary of POSCO. For further information, contact Tom Zaman-ski, LOI Inc. USA, 2000 Oxford Drive, Bethel Park, Pittsburgh, PA 15102; tel: 412/835-4646; fax: 412/835-6740.



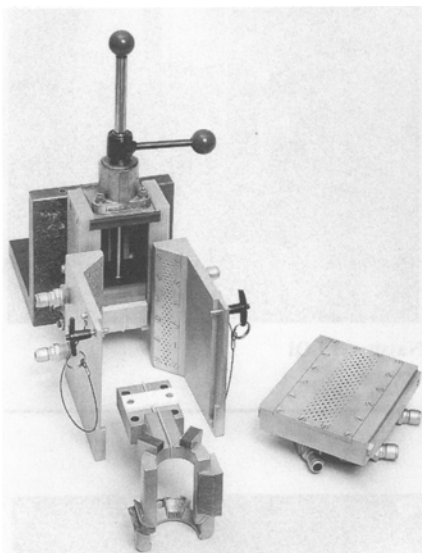
Nassheuer LOI



Paragon Industries, Inc.

Paragon Industries, Inc. has introduced the DTC 800 series *controller that contains eight firing segments, each with a temperature, hold and rate.* It stores up to six programs in memory and is equipped with a type K sheathed thermocouple. The sealed keypad has an improved feel with keys that are easier to press. For further information, call Paragon Industries, Inc. at 800/876-4328 or 214/288-7557.

Hanbo Steel Co., Ltd. has awarded the contract for the supply of 2 RD-KTB plants together with the associated technology to **VACMETAL Gesellschaft fuer Vakuum-Metallurgy mbH.** These *recirculation degassers with Kawasaki top oxygen blowing lances* are intended for installation in No. 3 steelworks of the Asan Bay complex. The plant will be designed to treat ladle weights of 200 tonnes and will be of the fast vessel exchange type. Each individual unit will work in conjunction with an electric arc furnace, a ladle furnace, and continuous casting machine.

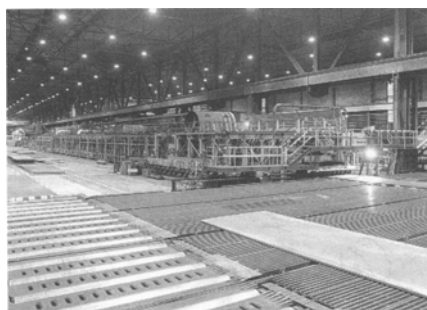


Tucker Induction Systems, Inc.

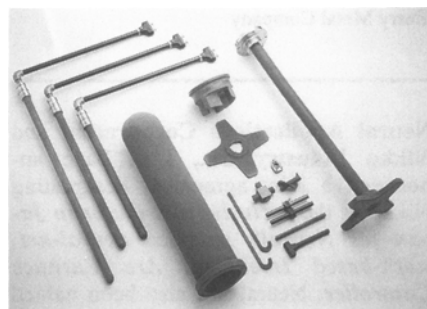
Tucker Induction Systems, Inc. has introduced a "Quick-Change" *induction coil that cuts changeover from hours to seconds.* It is modular designed to be ergonomically easy for one person to set up, change, repair, and maintain. A unique mechanical device maintains clamping pressures at 2000 lb/in.², eliminating the need

for screwing bolts down during installation and setup. For further information, contact Tucker Induction Systems, Inc., 6070 Wall Street, Sterling Heights, MI 48312; tel: 810/939-2400; fax: 810/939-7449.

Two sections of 10 m each have been added to a roller hearth furnace, manufactured by **LOI Gruppe**, at the Oxelosund plant of SSAB a Swedish producer of high-grade quenched and tempered steel plate. *The extension has increased the capacity of the furnace to 56 tph.* The roller hearth furnace is used for normalizing and austenitizing steel plates with thicknesses up to 130 mm, widths up to 3350 mm and lengths up to 18000 mm. For further information, contact Tom Zaminski, LOI Inc. USA, 2000 Oxford Drive, Bethel Park, Pittsburgh, PA 15102; tel: 412/835-4646; fax: 412/835-6740.



LOI Gruppe

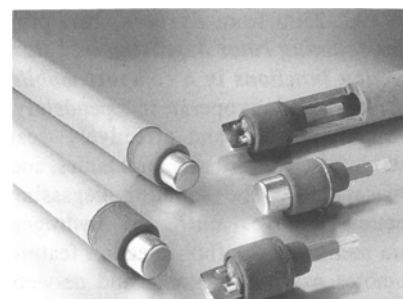


Pyrotek, Inc.

Thermocouple protection tubes, immersion heater protection tubes, rotary degassing shafts, pump components, and low-pressure stalk tubes made of silicon nitride are now available from **Pyrotek.** Unlike cast iron and other ceramics, the

silicon nitride components are inert against molten aluminum, corrosion resistance, and offer low wettability against molten metal and require no additional coating. For further information, contact Pyrotek, Inc., E. 9503 Montgomery Ave., Spokane, WA 99206; tel: 509/927-6212; fax: 509/927-2408.

A probe that provides accurate and reliable furnace bath temperature and carbon readings with a single immersion has been introduced by **Heraeus Electro-Nite Co.** Other applications for the QuiK-Lance probe include ladle and tundish measurements for superheat and liquidus arrest temperatures. The probe consists of a type S thermocouple and has an accuracy of $\pm 0.025\%$ carbon over the full range from 0.03 to 1.0% C. Bath temperatures greater than 3100 °F can be measured reliably. For further information, contact Bob Kuball, Heraeus Electro-Nite, 9901 Blue Grass Road, Philadelphia, PA 19114-1080; tel: 215/464-4200; fax: 215/698-7793.



Heraeus Electro-Nite

The Michigan Induction Center has been established by **Pillar Industries** to serve automotive part manufacturers with induction heat treat processing equipment. The facility houses sales, engineering, service personnel, a metallurgical lab, and a process development lab equipped with the latest in induction heat treating equipment. The Center is currently developing transistorized power supplies and a free brochure describing the Center is available from Richard Martin, Pillar Michigan Induction Center, 2285 N. Opdyke Rd., Auburn Hills, MI 48326; Tel: 810/475-5580.