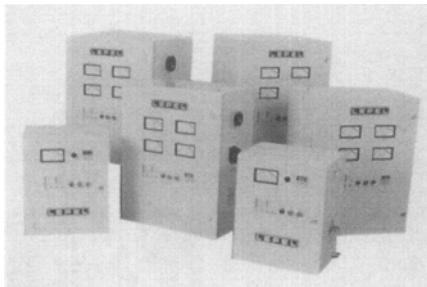


Lepel Corporation has introduced **100% solid-state induction heating power supplies, which are designed to provide superior process stability.** All models ranging from 1 to 30 kW, 50 to 200 kHz can be used over a broad range of applications, such as brazing, soldering, stress relieving, annealing, hardening, and others. Other new products include a self-



Lepel Corporation

contained induction heat treating system for general purpose applications, a "mini-scanner" for scanning of small parts, and "closed-loop" heat exchangers and water recirculators. For further information, contact Lepel Corporation, 50 Heartland Blvd., Edgewood, NY 11717; tel: 516/586-3300; fax: 516/586-3232.

D&H Heat Technologies has introduced a new heat control product called **KOOLMAT**, an aerospace thermal laminate material of silicone and a high-temperature fiberglass substrate good to 2000 °F with a ceramic or carbon backing. The silicone attaches itself to the textile causing no separation, air flow, and offers a great **resistance to abrasion, radiant heat, gases,**



D&H Heat Technologies

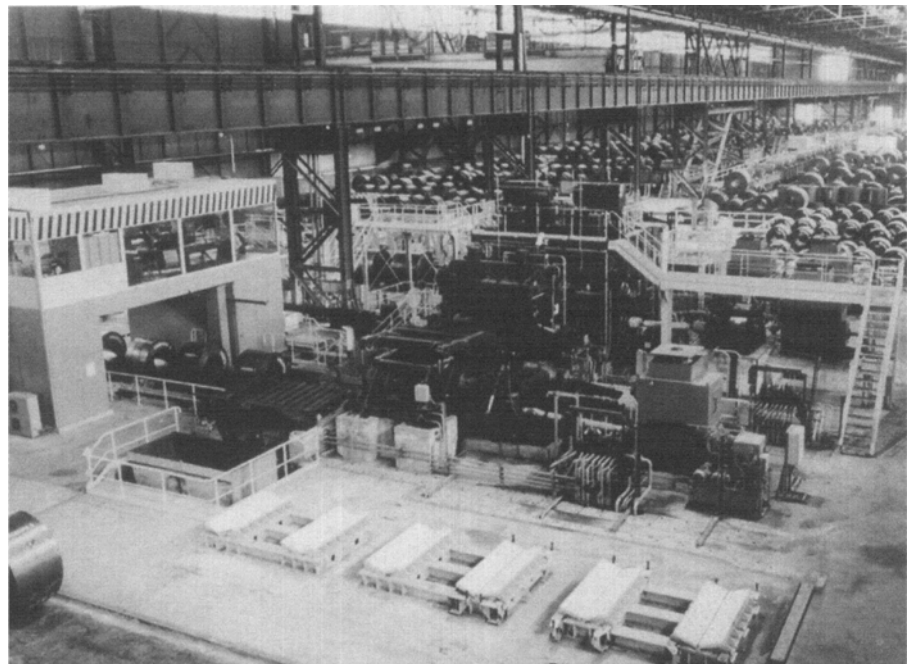
and oils. KOOLMAT is flexible and can be die cut to any shape or size tolerance. For further information, contact Howard J. Daly III, D&H Heat Technology, PO Box 38011, Olmsted Falls, OH 44138; tel: 216/235-2812; fax: 216/235-0689.

A unique free-standing, two-high, non-reversing temper mill and tension leveling line has recently been commissioned by **Tippins Incorporated** for **Carlam S.A.** of Couillet, Belgium. The automated lines are designed to **improve flatness, formability, and the surface finish of Carlam's steel products.** A combination of new and refurbished mill equipment was used. Flatness has been tested between +4 to 6 I-units, and the mill has a total production capacity of 450,000 mtpy. The temper mill uses work rolls that are 1016 in diameter and 2235 mm wide. For further information, contact Tippins Inc., 435 Butler Street, Pittsburgh, PA 15223-2126; tel: 412/781-7600; fax: 412/781-7612.

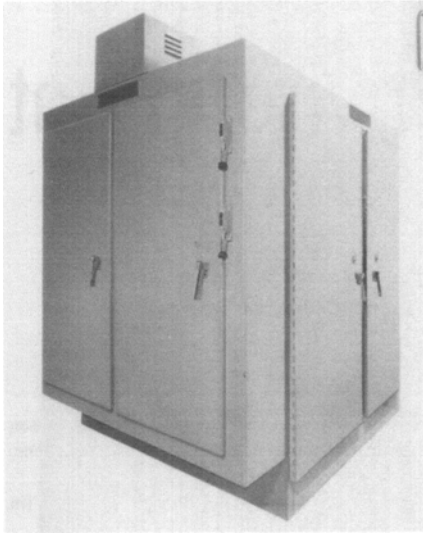
Quenching and Carburizing, edited by P. Hodgson, is now available from the **Institute of Materials.** This volume is the pro-

ceedings of the 3rd International Seminar of the International Federation for Heat Treatment and Surface Engineering, held in Australia in September 1991. The papers cover measurement and evaluation of the quenching power of quenching media for hardening; recent developments with respect to environmental regulations; use of fluidized beds for quenching; gas quenching with helium in vacuum furnaces; mathematical modeling; properties of carburized steels; among others. For further information, contact Ashgate Publishing Co.; Old Post Road, Brookfield, VT 05036; tel: 802/276-3162; fax: 802/276-3651.

Tocco, Inc. offers **oscillator-type, radio frequency power supplies for automotive and industrial induction heating operations, with power ratings of 50, 60, 80, 100, and 150 kW.** The Toccotron Size 5 radio frequency power supply provides output to a single or dual workstation that may be mounted on the front of the machine or remotely. Production speeds can vary from less than 150 parts per hour to over 1400 parts per hour, depending on the application. Standard features of the Size



Tippins Incorporated/Carlam S.A.



Tocco, Inc.

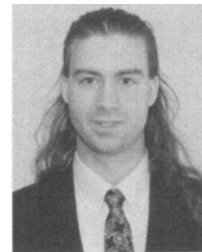
5 power supplies include separate compartments of high potential circuits, for control relays and tiers, and for high-frequency circuits and the oscillator tube. For further information, contact Paul Choinard, Tocco, Inc., 30100 Stephenson Hwy., Madison Heights, MI 48071; tel: 810/399-8601; fax: 810/399-8603.

A complete line of asbestos-free coil protection and slip plane materials offered in rolls and in rigid thick plates for use in

induction melting furnaces has been introduced by **COGEBI Inc.** These materials are mica-based products that *resist temperatures up to 2200 °F*. Developed for use as an insulator and slip plane in coreless induction furnaces, these flexible materials are available in rolls from 0.016 in. thick or as rigid thermal plates up to 3 in. thick that can be machined without cracking and chipping. These materials also help to reduce heat loss and prevent oversintering the refractory. For further information, contact COGEBI Inc., 14 Faraday Drive, Dover, NH 03820; tel: 603/749-6896; fax: 603/749-6958.

Drever Company has received two major orders for *heat processing furnaces*. The company will design, manufacture, and install a horizontal strip bright annealing furnace for the Elgiloy Company and two sintering lines for ICM Krebsoge. The furnace for Elgiloy will be capable of annealing 600 lb/hr of precision rolled strip, which will include high nickel, titanium, 300- and 400-series stainless steel, and other specialty steels from 0.002 to 0.062 in. thick. The two furnaces for ICM Krebsoge will handle 2000 lb/hr total and each will include a rapid burn-off, gas-fired preheat, sintering furnace, and Cove-cool.

Michigan Induction Inc. is pleased to announce formal recognition as Ford Motor Company's *first and only commercial induction Q1 supplier*. The Q1 award was the result of a 3-year reengineering effort that transformed the 1989 employee buyout firm into the largest commercial induction heat treat company in the Midwest. The corporation has doubled in size since the buyout and provides full-service statistical process control analysis through its accredited laboratory. For further information, contact Patrick Williams, Michigan Induction, 8468 Ronda Drive, Canton, MI 48187; tel: 313/459-8514; fax: 313/459-8795.



William C. Williams

Harper Electric Furnace Corporation has presented its annual award to help support the work of students at the New York State College of Ceramics at Alfred University to senior **William C. Williams**, based on his thesis, "Combustion Synthesis of Al₂O₃-Reinforced Ni₃Al-Matrix Composites by Simultaneous Reaction/Densification Process."