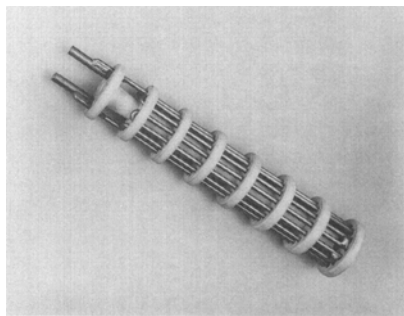


# Heat Treat Hotspot

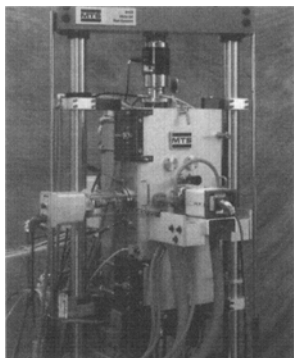
Custom Electric Manufacturing Co., Detroit, Michigan, offers *radiant-type bayonet heating elements of its own design, as well as replacement elements built to OEM specifications* for most styles of electric furnaces and ovens. Users report up to 50% savings in element operating costs with performance-matched elements from Custom Electric. Bayonet elements operate at 200 °F to 2150 °F. They are used in atmosphere, draw, hardening, sintering, vacuum and carburizing furnaces, annealing ovens, salt bath nitriding equipment and molten aluminum processing. They are available in nickel-chrome, iron-chrome-aluminum and Incoloy®.



Custom Electric Manufacturing Co.

Circle No. 119 on reader service card.

**Need to test in a vacuum or an inert gas environment?** The new Model 659.01 controlled environment furnace offered by **MTS Systems Corp.**, Eden Prairie, Minnesota, is the furnace that features great flexibility. You simply interchange your



MTS Systems Corp.

choice of four heating elements for the ideal match-up to your testing needs.

Circle No. 120 on reader service card.

In April and May, 1992, a total of 26 requests for information, were received by the HTN Hotline, a service of the **Heat Treating Network**, Cleveland, Ohio. Problems reported ranged from cracked steel castings to cleaning parts prior to heat treating. All requests were critical to the needs of HTN members and heat treaters throughout the country. HTN members have unlimited cost-free Hotline access. Non-members receive one free call at (513)259-1364.

**Instron Corp.**, Canton, Massachusetts, introduces a new *short, single-zone slotted furnace for high-temperature testing*. This special short furnace is designed for ceramics, ceramic composites, and metal-matrix composites testing to 1600 °C. At 63mm high, the furnace enables testing of limited-length specimens without the need for cumbersome, hot grips. It also has a special mounting, so that the furnace can slide forward and backward for easy specimen loading.



Instron Corp.

Circle No. 121 on reader service card.

As part of its commitment to keep U.S. industry informed of the latest developments in electric arc furnace emissions, the EPRi Center for Materials Production, **Carnegie Mellon University**, Pittsburgh, Pennsylvania, held a symposium in January, 1992, to discuss environmental regulations and treatment technologies for EAF dust. Presentations were made on the status of the regulations, commercially

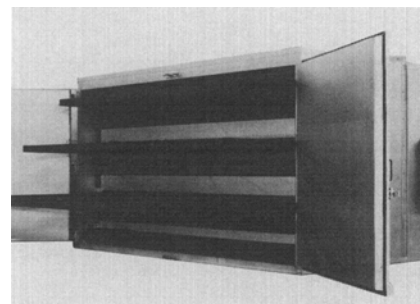
available dust treatment technologies, and new approaches currently under development. A report of this meeting—“*Proceedings of the 1992 CMP Electric Arc Furnace Dust Treatment Symposium*”—is available from EPRi at CMP.

Circle No. 122 on reader service card.

A new *16-page brochure* (with eight photos and five schematics) *that describes hot air ovens and dryers* by **Glenro, Inc.**, Paterson, New Jersey, has just been released. The flyer explains the benefits, applications, design, components, and construction of different hot air ovens, high velocity impingement, low velocity impingement, flotation, through-air, and counter flow. The equipment is all engineered for quick, energy efficient and precisely controlled drying of water, coatings, finishes, inks, and adhesives on paper, film, foam, nonwoven and fabric webs. The brochure describes the best applications for each and discusses design choices for each based on specific customer needs.

Circle No. 123 on reader service card.

The No. 687 from **Grieve Corp.**, Palatine, Illinois, is an *electric walk-in oven with rollout shelves* currently being used for expanding foam rubber tubes which cure and expand inside the oven chamber. The three rollout shelves, positioned between horizontal air ducts, have notches at the front and rear of the shelf which support the product on mounting rods. The 20-HP recirculating blower provides a vertical upward and downward airflow at each shelf level at a 24,500 CFM rate.



Grieve Corp.

Circle No. 124 on reader service card.