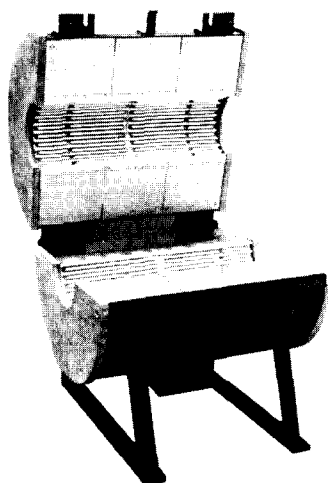


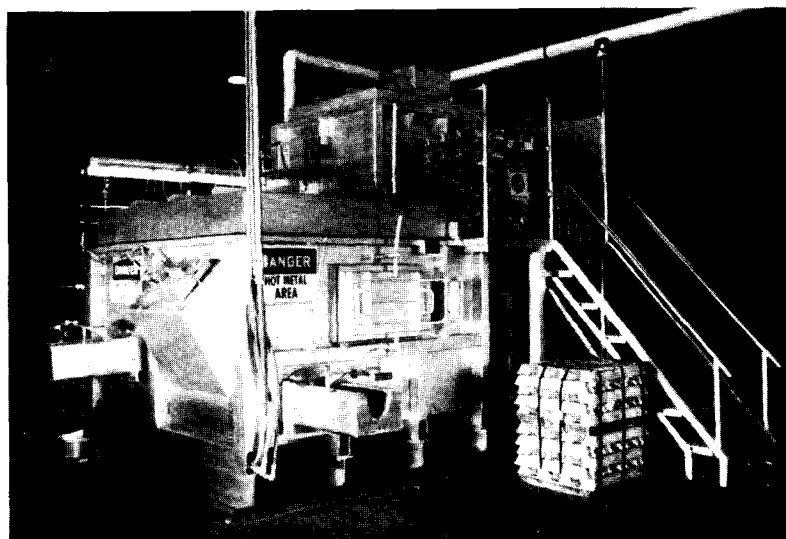
The Jet Melter, a vertical shaft furnace from the **Aluminum Foundry Systems Group, Modern Equipment Co.**, Port Washington, Wisconsin, can **reduce overall melting costs by 50%**. Consisting of a preheat zone, melt zone, and holding bath, the unit design can be customized to meet any application. Standard sizes have melt rates ranging from 300 to 10,000 lb/h. The system typically uses only 800 to 1000 BTU of fuel per pound of melted aluminum, while a gas-fired reverb furnace on average consumes 1500 to 2000 BTU. Metal loss with the Jet Melter runs approximately 1 to 1½%, compared to 3 to 7% with gas-fired reverb furnaces, and molten metal temperature variation is reduced to ±18 °F. Circle (75)

**Ajax Magnethermic Corp.**, Warren, OH, is offering six new **induction melting data sheets** covering their complete line of coreless furnaces, from power supplies to lift swing crucible furnaces. Products described include such features as low-cost, full-featured power supplies, solid state power systems, fiber optics for increased reliability, built-in fault monitoring, heavy duty coreless melting furnaces, medium duty steel case coreless furnaces, high-frequency, high-efficiency, asbestos-free coreless furnaces, free-standing, and two-position lift swing furnaces. Circle (76)

A rugged, single-zone, hinged tube furnace that is **ideal for industrial laboratory applications** is available from **Lindberg/Blue M, A General Signal**



Lindberg/Blue M, A General Signal Company

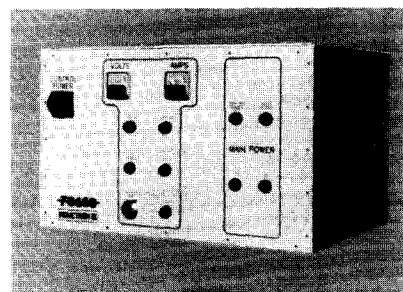


Aluminum Foundry Systems Group, Modern Equipment Co.

**Company, Watertown, Wisconsin.** To improve thermal uniformity and reduce heat losses, the Model M6018 furnace features graded insulation, reinforced hinges, and end vestibules. Maximum operating temperature is 2012 °F (1100 °C). Chamber dimensions of the unit are 5¾ in. I.D. by 18 in. long. It is rated at 5600 W for operation on 240 V, 50/60 Hz, single phase. Circle (77)

**Inductoheat, Madison Heights, Michigan,** has established the "Technical Advisory Council" to facilitate a continuous open **exchange of technical information regarding applications and advancements in the induction process industry.** Membership includes the "Hotline" newsletter, which includes details on engineering updates and the company's new products and applications. Views, experiences, and discoveries relating to the technical advancement of the industry are also highlighted. Circle (78)

A new line of low-power, general purpose, radio frequency power supplies for applications including soldering, brazing, bonding, shrink fitting, annealing, tempering, and hardening, has been introduced by **Tocco, Inc.**, Madison Heights, Michigan. Inductron III power supplies are rated at 10 kW to 100 to 400 kHz, and operate on 3-phase, 50/60 Hz, 230 VAC input power. The compact unit weighs less than 125 lb, and can be installed with the tuning capacitors inside the unit or remotely lo-



Tocco, Inc.

cated with the transformer and coil. The solid state circuitry of the power supplies ensures more **reliable performance and efficiency** than oscillator tube-type power supplies. Circle (79)

**Aqua-Quench®3150**, a water-soluble, concentrated, **polymer solution for induction hardening of steel**, is now available from **E.F. Houghton & Co.**, Valley Forge, Pennsylvania. Quenchant properties include maximized surface hardness and core properties. For use in both immersion tank and spray-type quenching systems, the solution provides fast and even cooling rates while inhibiting corrosion. Nitrate free, it brings aqueous advantages, including elimination of oil smoke and fire hazards, easily cleaned parts, and cleaner operator areas, and is non-polluting to the atmosphere and plant environment. For-