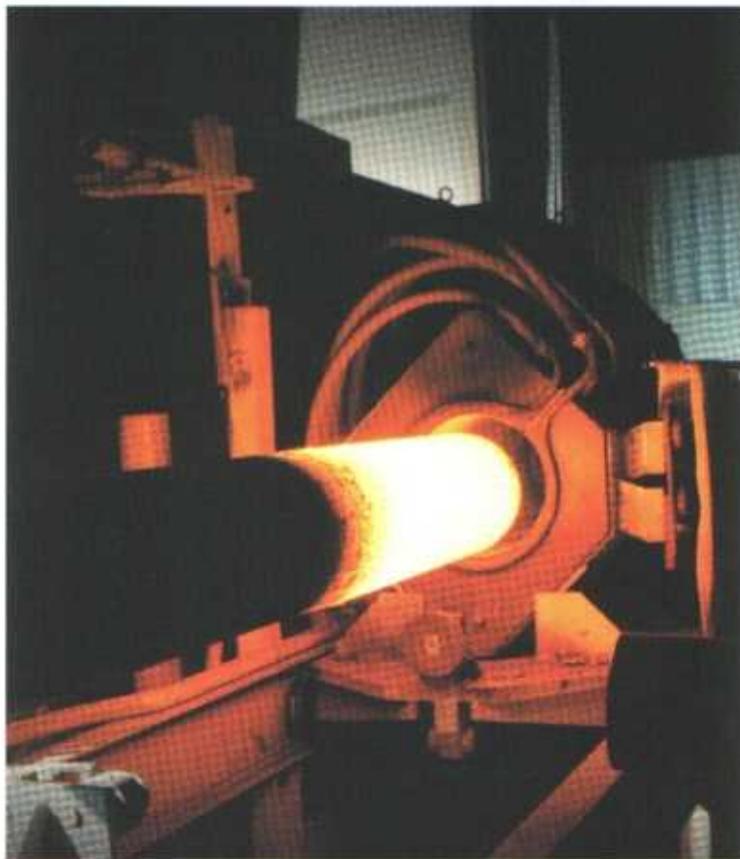


PIPE & TUBE

Heating for:

- Annealing
- Bending and upsetting
- Casing
- Extrusion
- Ferrous and nonferrous
- Inertia welding
- Line pipe
- Pipe coating
- Portable applications
- Preheating
- Quench and temper
- Seamless
- Stretch reducing
- Tubing



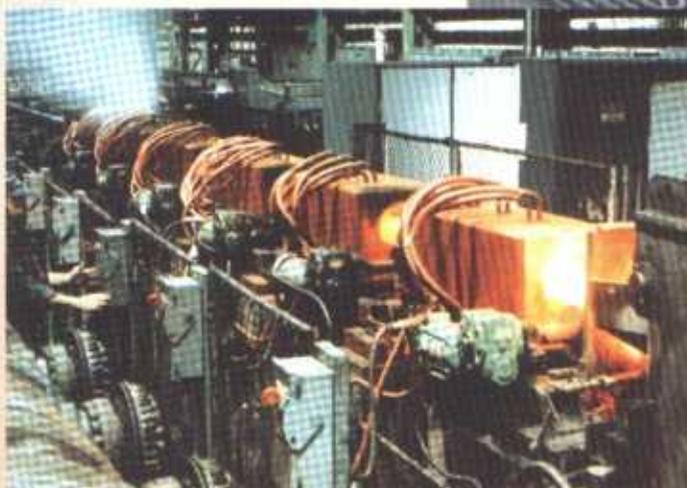
Ajax **TOCCO**
Magnetothermic

Pipe & Tube Products

Heat where you want it when you want it, from the people who teach the world how to use induction heating.

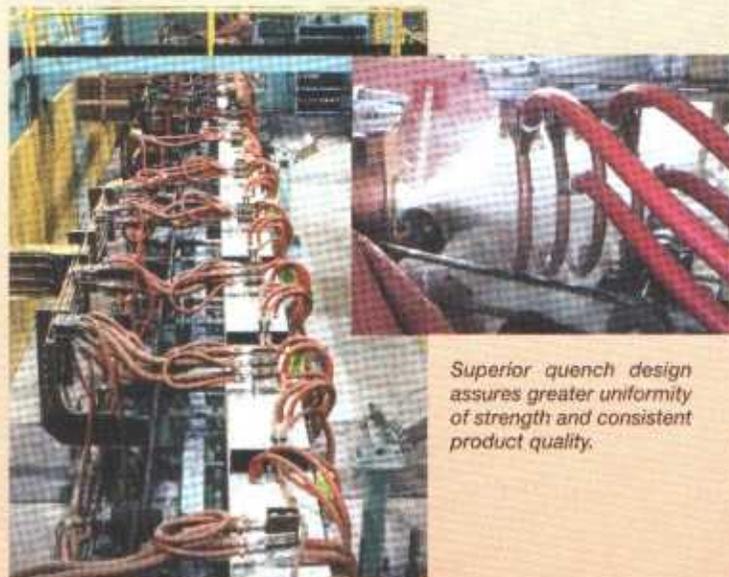
Heating for:

- Bending
- Extrusion
- Portable applications
- Preheating
- Seamless
- Stretch reducing



Nine megawatts of power is used to preheat tubing for stretch reducing. The advantages to heating with induction prior to stretch reducing include fast start and stop capabilities, better surface quality, speed and scheduling flexibility.

Ajax TOCCO Magnethermic pipe heating lines are known industry wide for producing superior metallurgical and physical properties in the final product. These benefits are achieved with the fast heating rates and temperature control possible only with induction heating.



Superior quench design assures greater uniformity of strength and consistent product quality.

The world's most experienced builder of Induction Heating for Tubular Products.

Ajax TOCCO Magnethermic is at the forefront in developing induction heating technology for tubular products. With leading edge technology serving the tubular products industries since 1916, Ajax TOCCO Magnethermic has been teaching the world how to use induction heating. Starting with the simplest application to pioneering the use of induction quench and temper lines to meet API standards.



Individually powered control zones enable the Ajax TOCCO Magnethermic induction heating system to remove the end to end temperature taper in seamless tube prior to stretch reduction. Other benefits of induction heating include reduced floor space, cooler working environment, dramatic scale reduction and improved product.



Ajax TOCCO Magnethermic's unique approach to applying induction heating has solved a wide variety of difficult problems. Pipe and tube producers have benefited from Ajax TOCCO Magnethermic's unequalled experience in supplying everything from billet heaters for seamless tube extrusion to developing weld annealing, coupler heat treating, normalizing tool joints to precise pipe coating.

Ajax TOCCO Magnethermic's technical leadership has helped pipe and tube producers to improve quality, increase production and lower costs to meet tough market demands. Ajax TOCCO Magnethermic is ready to put this experience to work for you. Isn't it time you called the people who know induction heating best? The people who teach the world how to use induction heating . . . Ajax Tocco Magnethermic.



As is typical for most in-line production systems with frequent up and down times, operating costs are reduced since no holding temperatures are required during idle time.



Ajax TOCCO Magnethermic provides the complete system from load tables to exit conveyors. From the inception of concept to installation and final commissioning of the system, let Ajax TOCCO Magnethermic be your single source supplier.



A Full Service Company Serving the World's Basic Industries

Ajax TOCCO Magnethermic recognizes the need to continually improve technology and discover better ways to utilize the induction process in industry. Our promise is delivering high quality, technically advanced induction equipment, on time with superior performance to meet or exceed each customer's expectations.

To assure continued progress takes commitment and dedication to new and better ideas. Ajax TOCCO Magnethermic is acutely aware that for its customers to succeed they must provide superior products, technical assistance and services that can make them market leaders.

Research & Development – Full time research and development with complete facilities for electronic, mechanical, and ceramic testing.

Design Integrity – Ajax TOCCO Magnethermic's experience with computer control and design enables them to provide advanced systems that specifically meet customer's present and future needs.

New Product Development – Ajax TOCCO Magnethermic continually works to enhance existing technology and discover new and better ways to take advantage of the induction process. In addition to independent research, Ajax TOCCO Magnethermic works closely with their customers to develop prototype programs, do feasibility studies and will often set up to make actual production runs.

Testing – Ajax TOCCO Magnethermic is one of the few induction companies that completely

tests all equipment before its installation; testing for electrical, mechanical and system integrity. It's your assurance of fast start-ups at the lowest cost.

Service – Service engineers are trained and experienced, fully capable of handling the most difficult field problems. They are available 24 hours a day and are never more than a phone call away.

Training – Extensive, thorough and effective training is available to all customers at their facility or in a formal classroom and hands-on training at corporate headquarters in either Warren, Ohio or Boaz, Alabama.

Convenient Repair Centers – Ajax TOCCO Magnethermic maintains a network of repair and service centers strategically located throughout the U.S. and the world. Local access is never more than several hours away.



Warren, Ohio, U.S.A. / Boaz, Alabama, U.S.A. / Cleveland, Ohio U.S.A. / Indianapolis, Indiana, U.S.A. / Longview, Texas, U.S.A. / Madison Heights, Michigan, U.S.A. / Ajax, Canada / Stoney Creek, Canada / Shanghai, China / Birmingham, England / Tokyo, Japan / Queretaro, Mexico / Seoul, Korea / Belgium, Belgium

Phone (330) 372-8511 • Fax (330) 372-8608
Call Toll Free 1-800-547-1527