

Metals Engineering Specialists in Heat Treating

When the Kemen family purchased Metals Engineering in 2001, the company was in distress. Significant investments into equipment coupled with good old-fashioned hard work not only turned the commercial heat treater around, it provided the impetus for growth.

The company was established in 1967 in partnership with a fabricating shop. Back then, Metals Engineering had one large car-bottom furnace used to stress relieve components for a local crane manufacturer. Today, the Green Bay, Wis.-based company performs a wide variety of services for local manufacturing industries. An MTI member since 1991, Metals Engineering is geared to handle both job shop and high-production work with equal efficiency.

In January 2005, current owner Ted Kemen purchased the company from his father, who retired. Ted Kemen is a 2008 graduate of MTI's Young Executive Series. General Manager Josh Roling graduated from the program in 2009. Metals Engineering currently has eight full-time employees and one part-timer. One employee has been with the heat treater for 37 years and its newest worker has two years of experience, giving Metals Engineering a good mix of seasoned veterans and younger, hard-working staff.

Here's a close look at Metals Engineering's equipment and capabilities:

- Two car-bottom furnaces have a capacity of 72 inches wide x 85 inches high x 210 inches long. Both units feature fully automatic cycling and can be programmed for any heat-up and cool-down rate required.
- Two induction units have a scanning capacity up to 36 inches

in length and 12 inches in diameter. It can harden shafts, cylinders, gears and any other small-diameter parts.

- Three atmospheric integral-quench furnaces have a capacity of 24 inches wide x 24 inches high x 36 inches long is capable of carburizing, carbonitriding and quench-and-tempering.
- Cryogenic treatment is offered (capacity of 28 inches wide x 49 inches long x 24 inches deep) to deep freeze parts to minus-300°F.
- In addition, the company has the ability to flame harden and flame anneal shafts, rolls and cams.

Metals Engineering, which is ISO 9001:2008 certified, has built its reputation on quality control. Hardness is checked after every heat treat using certified testing equipment. Written certification of test results is available upon request, and heat charts are also offered.

The company's warehouse includes a loading dock, drive-in trucking facilities and an overhead crane with a capacity of up to 10 tons, enabling Metals Engineering to efficiently handle anything that its heat-treating equipment can accommodate.

The future is bright for Metals Engineering. The company added its third atmosphere furnace in the past year and is currently working on installing another large car-bottom furnace, which should be up and running this summer. In the next five to 10 years, Metal Engineering hopes to grow into a few niche areas that will make its customers more competitive in their respective industries.

For more information, contact Metals Engineering at www.metalsengineering.net.



Large car-bottom furnace normalizing a tube



Load of parts entering an atmosphere furnace



METALS ENGINEERING

Metals Engineering has been adding value and quality to its customer's metal products since 1968. We handle the products that our customers entrust us with as if they were our own and continually strive to improve on quality and service. We value honesty, integrity, and seek to develop long-term relationships with our customers, suppliers and employees. Whether your production needs require the treating of 1 part or 10,000 parts give us a call. We're geared to handle both job shop and high production work with equal efficiency.

Car Bottom Furnace

Capacity: 72" wide x 85" high x 210" long

Processes: Stress Relieving, Annealing and Normalizing. Both units feature fully automatic cycling and can be programmed for any heat up and cool down rate required.

Induction Unit

Capacity: Scanning up to 36" in length and 12" diameter

Processes: Hardening of shafts, cylinders, gears and any other small diameter work.

Atmosphere Furnace

Capacity: 24" wide x 36" long x 24" high

Processes: Carburizing, Carbonitriding, Quench and Tempering.

Flame Hardening

Capacity: 5" to 30" diameter x 216" long

Processes: Flame Hardening or Flame Annealing shafts, rolls, and cams.

Cryogenic Treatment

Capacity: 28" wide x 49" long x 24" deep

PROCESSES: Able to deep freeze parts to -300 Fahrenheit.

Quality Control: We have built our reputation on a high level of quality control. Hardness is checked after every heat using certified test equipment. Written certification of test results is available upon request. Heat charts are available. **ISO 9001:2008 Certified.**

Materials Handling: A loading dock and drive in trucking facilities coupled with overhead crane capacity of up to 10 tons enable us to efficiently handle anything that our heat treating equipment will accommodate.



1800 SOUTH BROADWAY | GREEN BAY, WI 54304 | PH: (920)437-7686 | F: (920)437-7687

www.metalsengineering.net