



## Press Release

### Wisconsin Oven Ships Belt Conveyor Oven to a Leader in the Forging Industry

East Troy, WI – November 13, 2018 Wisconsin Oven Corporation announced the shipment of one (1) natural gas fired conveyor oven to a leader in the forging industry. This conveyor oven will be used as a preheating oven for aluminum billets.

This belt conveyor oven has sufficient capability to heat 3,000 pounds per hour of aluminum from 70° F to 950° F, as long as the workload is configured in a manner that is capable of absorbing the heat that is generated within the time available. This preheating conveyor oven has a maximum temp of 1,000° F with guaranteed temperature uniformity of  $\pm 10^{\circ}$  F at 950° F



The work chamber of this conveyor oven is 3'6" wide x 25'0" long x 1'0" high. The continuous oven was designed with both top-down and bottom-up airflow to maximize heating rates and temperature uniformity of the part load configuration. The conveyor system utilizes a stainless steel flat wire belt and a variable frequency drive provides adjustable speed control.

*"This belt conveyor oven utilizes a chain style curtain to minimize heat spill out which increases operator comfort and reduces wasted energy."* -Gene Vetter, Senior Applications Engineer

Unique features of this preheating conveyor oven include:

- Digital Eurotherm 3204 temperature controller with fast acting auto tune function
- Digital Watlow PM6L oven high limit controller
- Honeywell Model 7800 flame relay with integral purge timer
- Two (2) 24,000 CFM @ 20 HP recirculation blowers (48,000 CFM total)
- Allen-Bradley PowerFlex variable frequency drive provides adjustable conveyor speed
- Chain style curtains are located at both ends of the conveyor to reduce heat spill-out.

This belt conveyor oven was fully factory tested and adjusted prior to shipment from our facility. All safety interlocks are checked for proper operation and the equipment is operated at the normal and maximum operating temperatures. An extensive quality assurance check list was completed to ensure the equipment met all Wisconsin Oven quality standards. To learn more about the industrial conveyor ovens manufactured by Wisconsin Oven visit their website at <https://www.wisoven.com/products/conveyor-ovens>.

### **About Wisconsin Oven**

Wisconsin Oven Corporation has been designing, engineering, and manufacturing industrial ovens and other heating equipment since 1973. Their custom and standard industrial ovens are used for a multitude of applications including heat treating, finishing, drying, and curing. Many of the industries they serve require specific temperature uniformity and equipment performance documentation. Their experienced design team can meet even the most stringent standards for their customers' equipment. Wisconsin Oven realizes that the success of the company depends on their Championship team of employees, which is why they have developed a company culture that recognizes and rewards employees. The goal at Wisconsin Oven is to outperform competition and provide customers with outstanding products and service. For more information on Wisconsin Oven visit their website at [www.wisoven.com](http://www.wisoven.com).

Wisconsin Oven is owned by Thermal Product Solutions ("TPS"), a leading American manufacturer of industrial ovens, furnaces, pharmaceutical sterilizers, laboratory ovens, environmental temperature chambers, and stability test chambers. TPS provides thermal processing and test solutions for a range of industries. TPS brands include Baker Furnace, Blue M, Gruenberg, Tenney, Lindberg, Lunaire, MPH, and Wisconsin Oven. For more information on equipment solutions from TPS visit their website at [www.thermalproductsolutions.com](http://www.thermalproductsolutions.com). #12592A