

FOR IMMEDIATE RELEASE

LASER HARD, INC ANNOUNCES EXPANSION INTO GRAND RAPIDS: *6-AXIS MOBILE ROBOTIC LASER HEAT TREAT SYSTEM*

(GRAND RAPIDS, MI) – Laser Hard, Inc is inviting the manufacturing community to be the first in West Michigan to see laser heat treating capabilities in action. We use state-of-the-art robotic laser heat treating systems—the only technology of its kind in the U.S. Our second laser heat treating facility is now open at 2766 3 Mile Road, Grand Rapids, MI 49534.

Laser Hardening is quickly gaining momentum in automotive, mining, power generation, medical, aerospace and firearms industries, among others. Due to its low heat input and accuracy, many companies are requesting this process in place of other conventional methods that introduce a greater risk of cracking and distortion. Drawings can be reviewed, and testing can be carried out to confirm the efficacy of this solution for a specific part. Another great attribute of our robot is its built-in pyrometry. This allows for consistent heat at the work piece, which reduces the risk of melting edges or overheating in an area that may have a thin cross section.

Our turn-key system uses a software package that allows us to scan the component in need of hardening, which generates a 3-D model of the surface. This technology is 5x more efficient than traditional offline programming. You cannot find the same precision through induction or flame hardening. The actual hardened surface is not cosmetically compromised as much as an induction or flame hardening operation; the treated area quite often will require little or no hard finish time. The precision repeatability of the technology assures us of a hardening process that is much more accurate than anything else that is available today. In addition, the machine is portable, so if a customer has parts that are too large to move or cannot be easily disassembled for processing the machine can be brought to their facility.

Laser Hard was formed as a partnership between Peters' Heat Treating, Inc. and Phoenix Laser Solutions, both of Meadville, Pennsylvania, "Tool City, USA". It is a strategic partnership between two companies who have a depth of knowledge in both heat treating and laser technology, respectively. Both companies have a long history as part of the manufacturing supply chain. Phoenix Laser Solutions is now in its third generation of family ownership and Peters' Heat Treating is second generation. Learn More at www.laserhard.com.

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