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Northeast Laser Implements New Series of 'Green' Initiatives to Reduce Energy Consumption

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Northeast Laser and Electropolish, http://www.northeastlaser.com has implemented a series of "green" initiatives to reduce energy consumption throughout the company, and to reduce the volume of waste generated from its metal finishing operations.

Eight, energy efficient laser marking systems have been installed for both expansion and for replacement of high energy consuming, lamp pumped Nd-YAG laser marking systems. The new units consume between 200 and 400 watts of power compared to the retired systems which each consumed approximately 4.5 KW.

"Many of these systems are in operation over three shifts," explains Kurt England, one of the company partners. "In addition, energy efficient lighting has been installed in production areas of the facility, significantly reducing electrical demand as well."

Equipment in the metal finishing area has been updated and longer requires neutralization of rinse water, reducing solid waste generation by up to 90%. In addition, excess heat from the chilled water system is captured to supply the metal finishing operations. This upgrade has resulted in recycling heat that was previously expelled – reducing energy consumption (oil or electricity) required for metal finishing operations. Northeast Laser's metal finishing operates under a zero-discharge policy.

Northeast Laser and Electropolish provides laser marking, laser welding, laser cutting, electropolishing and passivation services to a wide range of companies throughout the United States and abroad. The company is well known for quick turnaround, high quality, outstanding customer focus, and the ability to take on both high and low volume projects, whether technically routine or challenging.

For more information, go to: http://www.northeastlaser.com.