

FABTECH PRESS RELEASE

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**FABTECH Booth Number 6035
FOR IMMEDIATE RELEASE:**

Mazak Exhibits HG 612 Laser with AO | 5 Point Automated Setup at FABTECH

(ELGIN, IL) – **Mazak Optonics Corporation** exhibited the HG 612 2D laser-cutting system with fully automated and optimized 5 point setup for the first time in North America at the FABTECH show in Booth number 6035. Typically, laser operations that accommodate varied workpiece materials and thicknesses are automated by compromising cutting parameters such as nozzle diameters and condition. This can significantly effect the productivity and cost of operation especially with today's focus on smaller batch sizes. Mazak has developed a series of automated setup functions called AO | 5 that enable optimized cutting even during extended unattended operation. These comprehensive setup features include an automated torch changer, automated nozzle changer, CCD camera based nozzle damage analysis, automated lens analysis, focal point measurement and adjustment. They maintain optimal cutting conditions and

improve real productivity while lowering the cost of labor by 20% and more. The HG 612 utilizes a new Preview II control and linear drives to cut at unmatched speeds with 3G of acceleration, yet with the precision to maintain corner integrity, tight dimensional accuracy and roundness on contours.

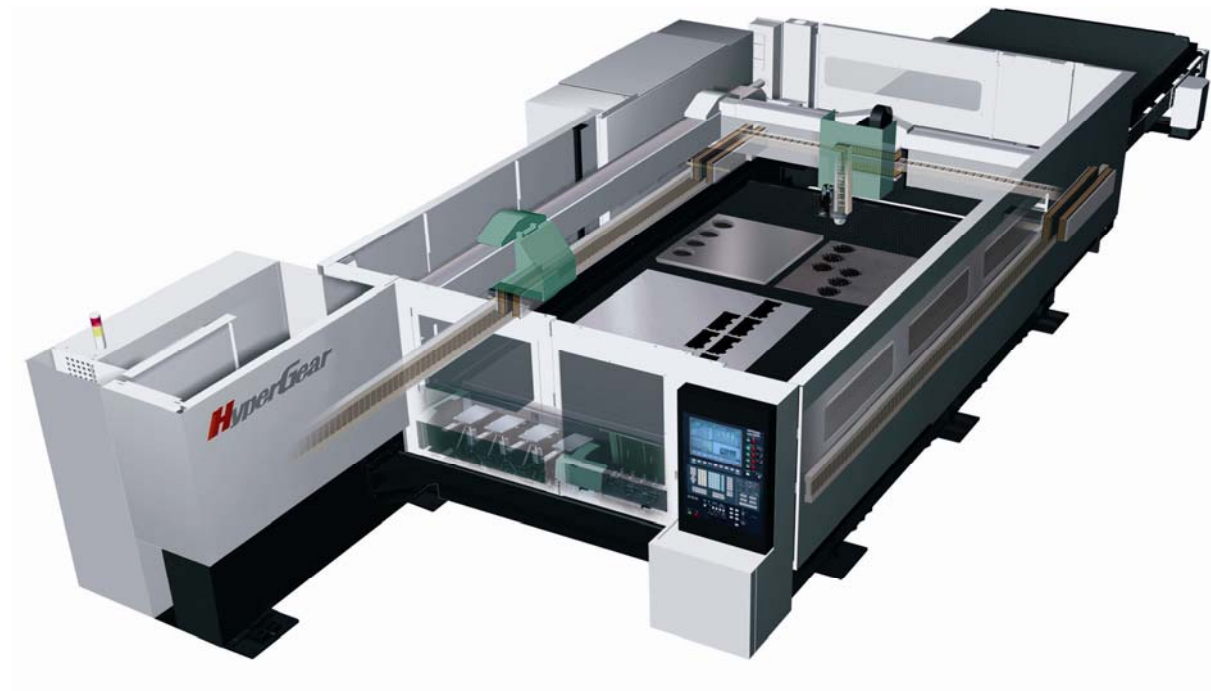
The Mazak HyperGear 612 is available in 2,500W and 4,000W configurations that can process from the thinnest steel up to 1" mild steel. The HyperGear 612 offers a 79" x 158" (2000 x 4000 mm) bed. A smaller 510 model is also available with a 60" x 120" (1525 x 3050 mm) bed. Automated material handling equipment designed for the efficient production processing of sheet metal and plate helps increase throughput.

About Mazak Optonics

Mazak Optonics Corporation is a major supplier of CO₂ laser cutting systems offering 42 laser models and leading the industry in the implementation of emerging laser technologies. Mazak's North American Headquarters is located in Elgin, IL. The 50,000 square foot facility includes a 30,000 square foot laser technology center with up to 18 machines for demonstration and training.

For more information, please visit www.mazakoptonics.com, e-mail sales@mazaklaser.com or call Mazak Optonics Corporation 847.252.4500.

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CAPTION: The Mazak HG 612 2D laser-cutting system offers comprehensive AO | 5 setup functions to optimize cutting conditions even while automating small batch production.