



AccuShaper™ 2.0

Laser Mechanisms' AccuShaper™ 2.0 is a robot end effector that trepans shaped holes of any form at up to four times the speed and twice the accuracy of conventional robot/head combinations – greatly reducing the cycle time of laser hole cutting and trimming operations. The affordable AccuShaper™ 2.0 provides a cutting solution similar to five axis machines at a fraction of the cost.

AccuShaper™ 2.0 differs from conventional robot/head combinations in its ability to trepan while imparting minimal reactive forces to the robot producing higher accuracy features. Its patent pending *Inertia-Cancelling* motion system creates cut features up to 30 mm x 30 mm. Larger features and trim cuts can be trepanned using robot motion throughout its full envelope. The entire package weighs less than 17 kg allowing the use of lower payload, less expensive robots.



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Features

- Patent Pending *Inertia-Cancelling* motion system for highest speed and accuracy trepanning
- Patented high-speed z-axis drive
- Capable of both X-Y trepanning and full robot motion envelope trimming
- Patented capacitive nozzle stand-off sensing
- Easily programmed with G-Code or internal shape library
- Welding configurations available

Specifications

Clear Aperture	25 mm
Motion Travel (X-Y-Z axes)	30 mm x 30 mm x 17 mm
Trepanning Speed	200 mm/sec maximum
Path Accuracy	± 0.060 mm
Weight	~16.8 kg
Fiber Input	QBH (HLC-8, PIPA-Q)
Laser Power	4 kW maximum average

Specifications subject to change without notice.



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