Laser Mechanisms' AccuShaper Trepanning Head Looks To Reshape Laser Processing

Laser Mechanisms' AccuShaper® Trepanning Head delivers fully programmable X-Y-Z motion control for laser cutting/welding applications. With a working envelope of 50 mm in X-Y-Z (expandable), AccuShaper easily adapts to the contours of your process.

The AccuShaper Trepanning Head delivers optimal performance when configured as a fixed, stand-alone unit with a moving part. With interchangeable motors and ball screws, AccuShaper's operation can be custom engineered to your laser application.

Engineered for the harsh factory floor environment, AccuShaper easily adapts to either CO2, YAG or Fiber Lasers, and mates to a variety of processing heads. AccuShaper's high-speed z-axis delivers fast, consistent performance and reduced cycle times. And optics will remain debris free thanks to AccuShaper's sealed beam path.

Visit Laser Mechanisms' web site at www.lasermech.com for additional information on the AccuShaper Trepanning Head.

Laser Mechanisms' Tom Kugler To Speak At ICALEO 2009

Laser Mechanisms' Fiber Systems Manager Tom Kugler will speak this November in Orlando, Florida, at the 27th International Congress on Applications of Lasers & Electro-Optics (ICALEO) regarding Novel Beam Analysis Applications and Hardware.

Kugler's presentation will investigate the use of novel but simple imaging systems to allow in-depth analysis and real-time imaging of focus spot sizes from ~10μm to 100μm at any laser wavelength, including 10.6μm, allowing resolution of features as small as 0.25μm. Another topic presented is the use of low power pointing beams to determine optical performance and alignment condition of laser beam delivery optics. The discussion will also look at the use of pointing beams and artificial, non-laser light to produce fine alignment and registration of optics and opto-mechanical components to high power laser beams.