

WORLD LEADING LASER SOLUTIONS PARTNER



VersaSTC

ILT is happy to introduce a system into the small tube cutting market. This platform provides excellent flexibility to customize the motion system, laser and beam delivery to accommodate your specific needs. The system utilizes ILT's HMI-2200 Laser Process Controller.

Specification Overview

Workstation Overview:

- System Footprint for two-axis system: 62" x 32" x TBD (Height based on laser configuration)
- Welded, square steel tubing main frame with granite motion/optics mounting structure secured via isolation mounts
- CRDH Class I (CDRH Class IV option)
- Electrical enclosure integral to system main frame
- Industrial PC and UPS Rack mounted in frame

Motion System:

- System is designed to accommodate a range of Aerotech platforms from the LT1 up to the Vasculathe
- Standard Aerotech collet options
- Four-axis option (Larger footprint)

Beam Delivery:

- Laser Mechanisms Micro Machining Series, option for Precitec or Haas focus heads
- System can be configured for fiber delivery or conventional (beam-out-of-box) laser and optics path on an upper deck

Laser Options:

- Fiber Lasers (Most are rack mountable)
- Conventional output lasers ie (Various Brands of Ultrafast Lasers)

Tooling:

- Gripper and fixed bushing assembly
- Tube size .010" thru 1.00" depending on rotary stage/collet assembly selected

Fluid System:

- Containment box with finished part drawer, connections for exhaust and make-up air
- Option for on-board wet cut option
- Wet cut option for 80 to 120 PSI

Cutting Assist Gas:

- Two gas inputs with manual pressure setting, programmable on/off control
- Option for programmable pressure control
- Gas pressure 300 psi max

Camera System:

- Live video camera system viewing through the focus lens and nozzle
- Coaxial lighting module

Optional Tool Path Software:

- Cagulia
- MasterCam

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