



## Mach Speed Fiber Laser

**Metal Cutter with Exchange Table  
5'x10' Enclosed Work Area  
6,000W - 15,000W**

### Specifications:

- **Working Area:** 61" x 120" (1550mm x 3050mm)
- **Z-Axis Travel:** 3.93" (100mm)
- **Wattage Available:** 6,000W / 12,000W / 15,000W
- **Laser Resonator:** IPG
- **Laser Head:** Precitec with auto-focus
- **Control System:** Beckhoff CNC
- **Laser Type:** Continuous wave fiber laser 1.07-1.08 $\mu$ m wavelength, beam quality <4mm\*mrad
- **Modulation speed:** 5kHz
- **Delivery fiber:** Core diameter >50 $\mu$ m
- **Max Positioning Speed:** X,Y two-axis coordinated positioning: 9,450 inch/min (240m/min)
- **Positioning Acceleration:** Max. 2.4G
- **Positioning Accuracy:**  $\pm 0.05$ mm/m (Repeat Positioning Accuracy:  $\pm 0.02$ mm/m)
- **XYZ Servo Motors:** X: 2 x 9700W / Y: 1 x 6880W / Z 1 x 940W
- **Max load weight:** 1,960 lbs (890kg)
- **Air Assist:** Oxygen or Nitrogen
- **Dimensions:** 350"L x 118"W x 83"H (8900 x 3000 x 2100mm)
- **Machine Weight:** 28,200lbs (12,800kg)
- **Power Supply:** 400-460V/ 3P+PE at 50-60Hz
- **Other Features:**
  - Parallel shuttle exchange table with hydraulic lifting system
  - Drive system with high torque servo motor
  - For better accessibility, the front door is on the Y axis, allowing the machine operator easy access to entire working area.
  - Auto energy saving mode
  - Rigid welded body for stable performance
  - Gantry constructed of special molded aircraft aluminum for rigidity and reliable performance
- **Included with purchase:**
  - Cooling system
  - Exhaust fan
  - Operating Software (Cypcut)
- **Optional Upgrade:**
  - Work area: 78" x 157"(2000mm x 4000mm)/98" x 236"(2500mm x 6000mm)/98" x 315"(2500mm x 8000mm)