



## Fly Speed Fiber Laser

**Metal Cutter with Exchange Table  
5'x10' Enclosed Work Area  
2000W - 6000W**

### Specifications:

- **Working Area:** 61" x 120" (1550mm x 3050mm)
- **Z-Axis Travel:** 3.93" (100mm)
- **Wattage Available:** 2000W / 3000W / 4000W / 6000W
- **Laser Resonator:** IPG
- **Laser Head:** RayTools with Auto Focus (Precitec for 6000W)
- **Control System:** CypCut (Optional upgrade to Beckhoff)
- **Laser Type:** Continuous wave fiber laser 1.07 $\mu$ m wavelength, beam quality <0.373 mrad
- **Max Positioning Speed:** X,Y two-axis coordinated positioning: 5,500 inch/min (140m/min)
- **Positioning Acceleration:** Max. 1.5G
- **Positioning Accuracy:**  $\pm 0.05$ mm/m (Repeat Positioning Accuracy:  $\pm 0.02$ mm/m)
- **XYZ Servo Motors:** X: 2 x 2900W / Y: 1 x 850W / Z 1 x 750W
- **Max load weight:** 1,550 lbs (700kg)
- **Reducer:** Gudel (Germany) High precision gear & reducer
- **Electrical Elements:** Schneider Electric (France) / Weidmuller (Germany) / Mitsubishi (Japan)
- **Air Assist:** Oxygen or Nitrogen
- **Dimensions:** 350"L x 118"W x 83"H (8900 x 3000 x 2100mm)
- **Machine Weight:** 20,950lbs (9,500kg)
  
- **Other Features:**
  - Parallel shuttle exchange table
  - 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
  - Dual drive structure, high precision, Swiss GUEDEL reducer and German Rexroth guide rail system, offer low transmission error, high precision, and good dynamic performance.
  
- **Included with purchase:**
  - Cooling system
  - Exhaust fan
  - Operating Software (Cypcut)
  
- **Optional Upgrade:**
  - Work area: 78" x 157"(2000mm x 4000mm)/78" x 240"(2000mm x 6100mm)/78" x 315"(2000mm x 8000mm)