



Fly Pro Fiber Laser

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

Specifications:

- **Working Area:** 61"x120" (1550mm x 3050mm)
- **Z-Axis Travel:** 11.8" (300mm)
- **Tube X1-Axis Distance:** 59" (1500mm)
- **Tube A, B Axis Distance:** Infinite Rotation
- **Tube Diameter:** Standard round or square: 0.78" to 8.66" (20 to 220 mm)
- **Wattage Available:** 2000W / 3000W / 4000W / 6000W
- **Laser Resonator:** IPG
- **Laser Head:** RayTools with Auto Focus (Precitec for 6000W)
- **Control System:** CypCut
- **Laser Type:** Continuous wave fiber laser 1.07 μ m wavelength, beam quality <0.373 mrad
- **Max Positioning Speed:** X,Y two-axis coordinated positioning speed 5,500 inch/min (140m/min)
- **Positioning Acceleration:** Max. 1.5G
- **Positioning Accuracy:** ± 0.05 mm/m (Repeat Positioning Accuracy: ± 0.02 mm/m)
- **XYZ Servo Motors:** X: 2 x 2900W / Y: 1 x 850W / Z 1 x 750W
- **Max load weight:** Sheet: 1,540lbs (700kg)/ Tube: Auto-load 220lbs (100kg)/ Manual load 440lbs (200kg)
- **Air Assist:** Oxygen or Nitrogen
- **Dimensions:**
 - Without tube cutting: 350"L x 118"W x 80"H (8,900 x 3,000 x 2,050mm)
 - With tube cutting: 429"L x 142"W x 80"H (10,900 x 3,600 x 2,050mm)
- **Machine Body Weight:** 15,400lbs (7,000kg)
- **Tube Rotation Weight:** 2,200lbs (1,000kg)
- **Exchange Table Weight:** 5,500lbs (2,500kg) (Includes exchanging shuttle tables & auxiliary equipment)
- **Other Features:**
 - Parallel shuttle exchange table
 - Rigid welded body for stable performance
 - Gantry constructed of special molded aircraft aluminum for rigidity and reliable performance
 - Z-axis system: High precision ball screw system
- **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)