

# **Hypertherm<sup>®</sup>**

## ***HyIntensity™ Fiber Laser***

**Hypertherm's integrated fiber laser system is a low-complexity, low-maintenance, high reliability laser cutting solution with the familiar Hypertherm quality and performance you can trust.**

### ***HyIntensity Fiber Laser vs. CO<sub>2</sub> laser:***

- Simplified laser table design.
- Simplified laser table integration.
- Reduced operating cost.
- Reduced service cost and intensity.
- Reduced total cost of ownership.
- 3 times more energy efficient than CO<sub>2</sub>.
  - 8 – 12% for CO<sub>2</sub> compared to 30% for fiber laser.
- A 1.5 kW fiber laser can do the work of a 3 kW CO<sub>2</sub> while using 83% less power.
- Greater reliability/durability.
- A more cost effective laser cutting solution.

### ***HyIntensity Fiber Laser vs. plasma:***

- Higher cut quality and tolerances.
- Fine feature capability.
- Significantly lower consumable expense.
- Better performance on thinner materials < 1/4" (6 mm);
  - Higher cut speeds
  - Lower operating costs
  - Higher productivity
  - 5 times more efficient, consuming estimated 20% the power level of a comparable plasma system.

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## HyIntensity™ Fiber Laser

### **Compared to other fiber laser offerings:**

- Hypertherm = Integrated Cutting Solution
  - Fiber laser supply (1.5 kW)
  - New fiber laser cutting head (capacitive height control)
  - New auto gas selection console
  - New laser head control console
  - Optics delivery, cables, hoses
  - Hypernet® I/O
  - CNC control
  - Nesting and process optimization software
- Hypertherm offers in-house applications expertise and support.



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**Cut with confidence®**

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