

# FabLight 1500/3000/4500

## Technical Specifications



Fiber laser cutter for metal sheets & tubes in a single machine.

To place an order or get more information, call (415) 870-3335 or go to [3dfabligh.com](http://3dfabligh.com).

### Capabilities

|                     |   |
|---------------------|---|
| Materials           | Steel, stainless steel, spring steel, aluminum, copper, brass, titanium, and more   |
| Sheets              | Up to 25"x50" (635mm x 1270mm) – fits 1/4 standard metric or imperial sheet   |
| Tubes               | Round, square, and rectangle, 0.5" to 2" (12mm to 50mm)<br>Standard length to 52" (1320mm), extended length to 80" (2032mm)     |
| Thickness           | Cuts up to 0.060" (1.5mm) steel using only clean, dry compressed air – thicker with the 3000/4500W laser option, or with oxygen |
| Axes                | Four-axis machine: Z-axis travel of 1.5" (38mm), plus separate focus axis travel of 0.4" (10mm)                                 |
| Engraving & Marking | Vector and raster engraving   |
| Motion              | Moves up to 50"/second (1270mm/second), cut up to 5"/second (127mm/second)<br>Accuracy of $\pm 0.002$ "/foot (0.15mm/m)         |
| Exhaust             | Simple HEPA vacuum cleaner exhaust, with no need for external venting   |

### Benefits

- Small footprint for low rent and easy integration into any shop environment – 74" L x 40" W x 56" H (1.88m x 1m x 1.42m)
- Air-cooled, pulsed 1500W, 3000W, or 4500W fiber laser
- No installation required!
- Runs off standard 110V, 20A outlet (easily converts to 220V for overseas use)
- Ergonomic drawer for sheet loading, simple chucks for tube loading
- Easy CAD-to-part workflows using included software.

### Three Power Levels

|         |                   |                |
|---------|-------------------|----------------|
| 1,500W* | cuts steel up to: | 0.060" (1.5mm) |
| 3,000W* |                   | 0.100" (2.5mm) |
| 4,500W* |                   | 0.140" (3.5mm) |

\* pulsed