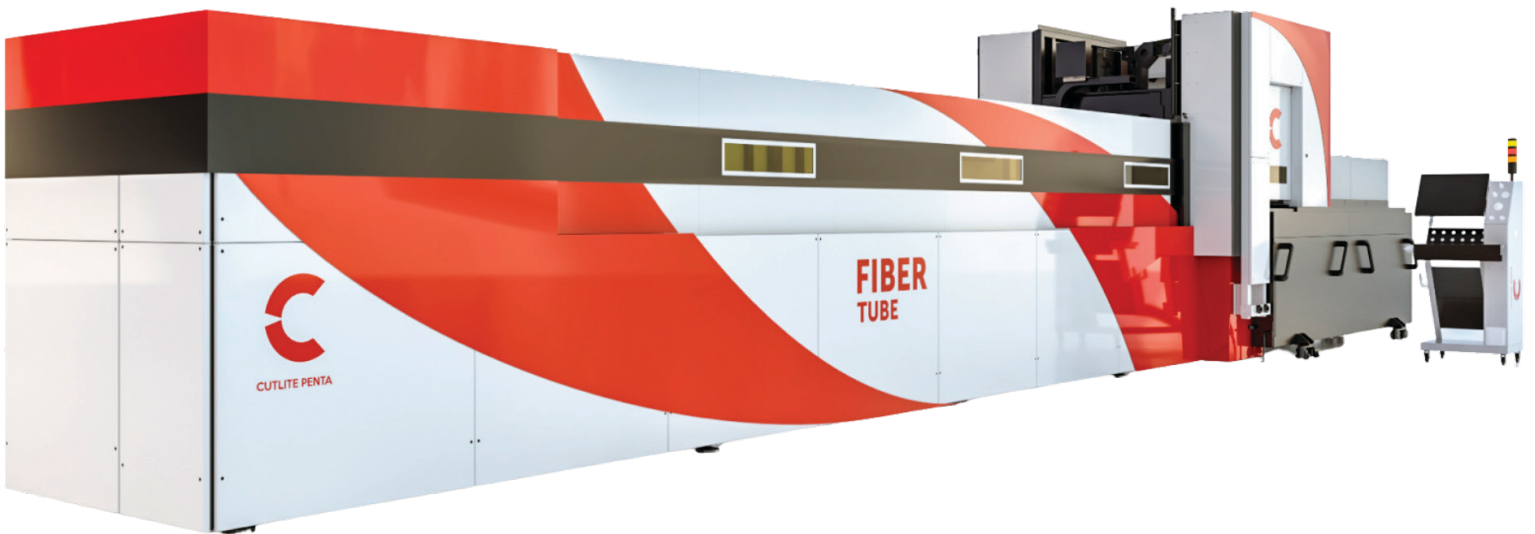


TUBE

TUBE CUTTING UP TO:
12 inches

POWER UP TO
8 kW



CUTLITE
AMERICA

sales@cutlite.com | (404) 665-7635 | www.cutlite.com

TUBE

Cutlite America's Fiber Tube system represents the next evolution in high-performance tube processing. Designed for precision, flexibility, and fully automated operation, the Fiber Tube line delivers finished parts, complete with all required cutting operations, in a single cycle. This system eliminates the need for multiple machining centers and reduces handling, setup, and processing times dramatically.

Built for manufacturers who demand speed, accuracy, and scalability, the Fiber Tube machine handles round, square, and rectangular tubes, as well as open profiles with exceptional ease and reliability.

Performance You Can Count On

Every component of the Fiber Tube system is engineered to support high-speed, high-accuracy cutting, without compromising cut quality. Thanks to its robust electro-welded frame, linear motor technology, and fully enclosed cutting head, the system ensures stability, repeatability, and unmatched uptime, even in demanding production environments.

The CNC software manages every step of the process, from bar loading to cutting to finished part unloading, creating a seamless, operator-friendly workflow.

Compatible Materials

- Mild Steel
- Stainless Steel
- Alloy Steel
- Aluminum Alloys
- Brass
- Copper

Tube Capacity

MODEL	ROUND	SQUARE/ RECTANGULAR	WALL THICKNESS	MAX BAR WEIGHT
TL150	0.59 in - 6.00 in	0.59 in - 6.00 in	Up to 0.31 in	40 kg/m
TL220	0.79 in - 8.66 in	Up to 8.66 in	Up to 0.39 in	40 kg/m
TL305	0.79 in - 12.01 in	Up to 8.66 in	Up to 0.39 in	40 kg/m

Automation and Flexibility

The Fiber Tube line was designed with flexibility and automation in mind. Optional rear or front loading configurations adapt to your production layout. Automatic step and bundle loaders minimize idle time, while integrated sensors and vision systems ensure consistency throughout the job.

Optional Hardware Features

Smart Bevel Pro - Allows beveling up to 45 degrees
Smart Weld - Identifies internal/external weld seams in real time

Smart Mandrel - Flow drilling and tapping up to M12 with automatic tool change

Camera Monitoring - Remote visibility into operations

Tube Size Detection - Optical sensors for accurate tube measurement

Key Benefits

- Complete tube processing in a single cycle
- Dramatic reduction in production time and tooling requirements
- Minimal part deformation due to contactless laser operation
- Quick, easy geometry changes—no custom tooling required
- Ideal for prototyping, small to mid-sized production, and structural components

Specifications

Bar Loading: 21 ft, 30 ft, or 40 ft

Unloading Length: From 10 ft up to 40 ft

Laser Power Options: 1kW - 6kW (expandable upon request)

