

BLM LT8.20 FIBER TUBE LASER SYSTEM



COMBINING TECHNOLOGY AND TRADITION SINCE 1976

GK MACHINE HAS JUST INTRODUCED THE LT8.20 FIBER TUBE LASER CUTTING SYSTEM

Tube cutting is a crucial task used across various industries, including construction, manufacturing, automotive, construction, and plumbing. Industry growth has only increased the demand for tube cutting, which involves cutting tubes and profiles to specific lengths, shapes, and sizes.

The versatility of the 9.5" X 27' Capacity 3D Cutting System from BLM GROUP is fully automated for production 3D Tube processing. With the latest technology, tube cutting has become more efficient, accurate, and cost-effective than ever before. For our customers, it means shorter processing times for a wide range of possible tubes and profiles.

The system features a 3D tilt cutting head and performs high-precision angular cuts in round, square, triangular, I-beam, and other unique shapes. It handles diameters up to 9.5 in. and bar weights up to 27 lb./ft. With a tilting axis of 45 degrees, it can cut complex patterns, reach hard-to-access locations, and is suited for weld prep cuts in thick-walled tubes.



Fiber Tube Laser System

- Designed to cut and process various types of tubes and other structural shapes with high precision and speed
- Cuts a variety of tube shapes: round, square, rectangular, oval tubes, I-beams, and custom extrusion
- Process a wide range of materials, including steel, stainless steel, aluminum, brass, and copper
- Maximum cutting speed is up to 130 feet per minute, making it a fast and efficient machine



Call for a friendly quote!

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Features:

- Tilting 3D Laser head +/- 45°
- No tooling changeover
- Motorized unloading table collects, and discharges finished parts without cutting interruption
- Part unloading is fully programmable. Dividing unloading by part type allows the part collection to proceed without interruption
- Weld seam detection

Capabilities:

- Diameters: 0.5" - 9.5"
- Square/Rectangular Tubes/I-Beam: 8" Max.
- Bar Weight: 27 lb./ft. Max.
- Open Profiles/Special Shaped Sections
- Unloading Lengths: 27'
- Loading Lengths: 27'
- Power Available: Fiber 5KW

Cutting Head:

The thermally efficient cutting head has sensitive internal sensors that monitor cutting quality. Combined with a long tapered section to increase accessibility on open profiles and special-shaped sections, this cutting head is like no other. This unique design increases productivity, reliability, and robustness for all shapes and sizes.

Key Features:

- Equipped with different types of loading and unloading systems, such as bundle loading, single bar loading.
- The new drill and tap device offers friction or classic drilling and roll tapping, eliminating secondary processes. It also allows threaded holes from 3/16" to 3/8" to be added directly to the workpiece.
- A new adjustable mode beam 5KW resonator with independent and dynamic control helps optimize performance based on material thickness and gas assist.
- The laser tube can operate using compressed air, allowing for faster speeds, improved cuts, smoother edge quality in aluminum materials, and cost reduction in processing mild steels.



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