

Fiber Laser Tube Cutting Machine LT Series

- The first choice for non-contact metal tube processing industry, high-performance cutting tube, rectangular tube, square tube, elliptical tube, OB tube, angle iron, channel steel and special-shaped tube and other metal tube fittings and profiles.
- Convenient feeding method: It can be loaded automatically or semi-automatically with high precision and high speed.
- Advanced chuck clamping system :chuck center and clamping force adjust automatically according to material specification.
- Ergonomic design: Designed from the ergonomic point of view, fully considering various possibilities of operation, improving work efficiency and giving operators maximum protection measures.

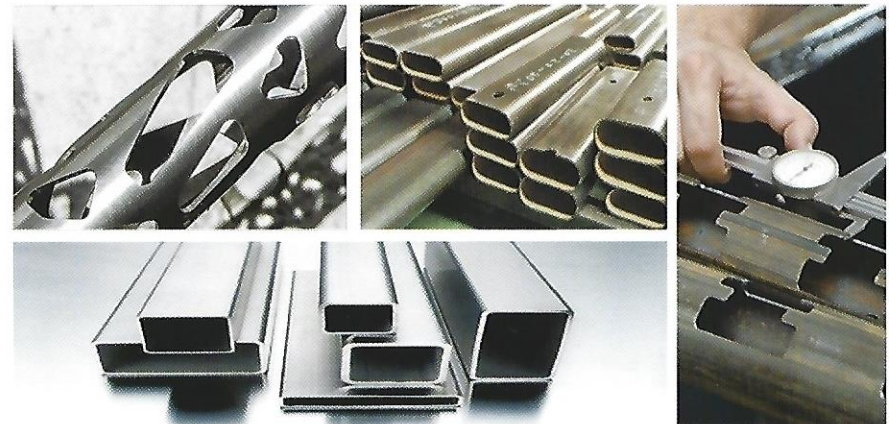




Main technical parameters

| Model | LT 7535 | TP6515 |
|---------------------------------|--|--------------------------------------|
| Chuck diameter | Φ20–Φ200mm | Φ20–Φ200mm |
| Max feeding length | 7500mm | 6500mm |
| Max unloading length | 3500mm | 1500mm |
| Loading form | Automatic / Manual | Automatic / Manual |
| Maximum single tube weight | 30Kg/m | 20Kg/m |
| Tailing Length | ≥180mm | ≥180mm |
| X/Y/Z axis working stroke | 0~7500mm/0~200mm/0~170mm | 0~6500mm/0~240mm/0~200mm |
| X/Y/Z axis positioning accuracy | 0.05mm/0.05mm | 0.05mm/0.03mm |
| X/Y/Z axis positioning speed | 90m/min 30m/min 30m/min | 70m/min 30m/min 30m/min |
| X/Y/Z axis repeatability | 0.05mm/0.03mm | 0.05mm/0.03mm |
| A/C axis | Infinite rotation, speed of rotation / 540 °/ sec | Infinite rotation, speed of rotation |
| CNC system | Siemens | CypTronic |
| Servo motor | Siemens | CypTronic /Panasonic |
| Laser | IPG/RAYCUS | RAYCUS |
| Laser power | 1000W–6000W | 500W–1500W |
| Cutting head | Precitec | Raytools |
| Focusing mode | Automatic / Manual | Manual |
| Gas control | Integrated control module | Standard control module |
| Exhaust system | Exhaust dust connector | Exhaust fan |
| Monitor | Dell 24 inch | Industrial 19–inch embedded display |
| Optional | Bevel cutting unit and third chuck to achieve near zero tail cutting | |

Cutting sample



AUTOMATICALLY LASER TUBE CUTTING MACHINE



FARLEY · LASERLAB

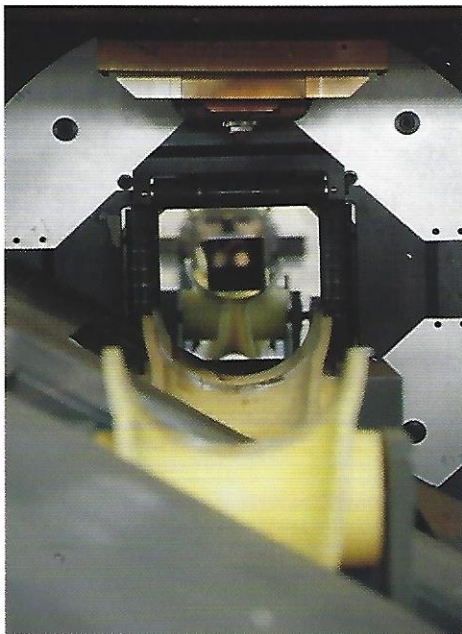


AUTOMATICALLY LASER TUBE CUTTING MACHINE



FARLEY[®] LASERLAB Laser Tube Cutting Machine cuts a large range of tube and pipe, whether round, square, rectangular or triangular. High-speed automatic laser tube production line has fulfilled multi-dimensional cutting, which break through the limitation of plane cutting.

PERFORMANCE



ADVANTAGE

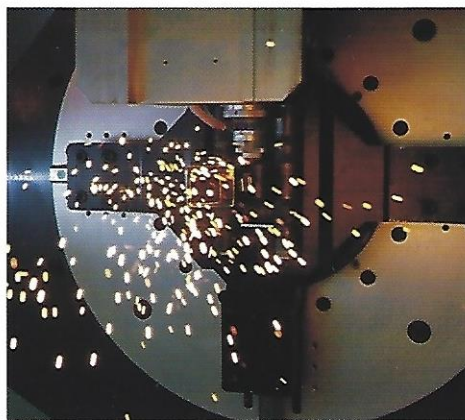
Laser tube cutting machine integrates laser drilling, kerf cutting, contour cutting processing of tube surface. The traditional processing way is easy to generate slag and burr, in additional, it costs time and has low accuracy during cutting. Automatic laser tube cutting machine has intelligent system and high integration, which can achieve real flexible processing. No matter how complex the component figure is, it can achieve high-precision one-step molding, no need to do follow-up deburring treatment. One-step molding
Efficiency and cost saving

FEATURES

- > Automatic Loading System: round, ellipse, rectangular, D-type tube and etc. can be automatically loaded without human intervention.
- > Advanced Chuck Clamping System: chuck center and clamping force adjust automatically according to material specification, in case of thin tube damage when clamping.
- > Advanced Layout System: automatically measurement and calculation of material length to optimize cutting sequence and maximize the availability of material.
- > High-speed Cutting System: corner fast response, greatly improve cutting efficiency
- > Efficient Unloading System: workpiece can be unloaded automatically in different areas.
- > Ventilation Dust System: advanced ventilation dust system to ensure the neat of site.

CUTTING MATERIAL

Carbon steel, stainless steel, cuts a large range of tube and pipe, whether round, square, rectangular or triangular.



DETAIL



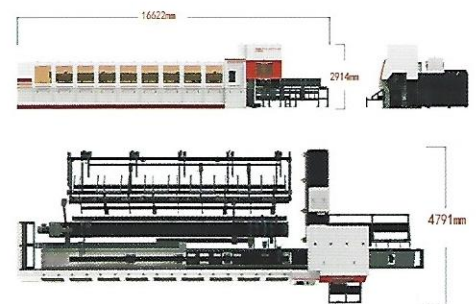
OPERATION SYSTEM

Graphic display to monitor the cutting path online and effect of cutting



APPLICATION

Engineering machinery, petrochemical industry, bus manufacturing, steel construction, medical equipment, fitness equipment, electrical engineering etc..



AUTOMATICALLY LASER TUBE CUTTING MACHINE

| Model | LT7535F | LT9035F |
|-----------------------------------|--|---------------------------|
| Laser Source | Fiber 1000W~3000W | Fiber 1000W~3000W |
| Tube Diameter | 20mm×20mm~ 120mm×120mm | 20mm×20mm~ 180mm×180mm |
| Max. Tube Length | 7500mm | 9000mm |
| Max. Cutting Tube Length | 3500mm | 3500mm |
| Cutting Tailing Tube Length | ≤200mm | ≤200mm |
| Standard Material | Carbon steel, stainless steel, suitable for round tube, square tube, rectangular tube, triangular tube and etc.. | |
| Automatic Loading Length | 2000mm~7500mm | 2000mm~9000mm |
| Bearing of Loading Platform | 2000kg | 4000kg |
| Loading Method(optional) | Automatic | Automatic |
| Unloading Method | Automatic | Automatic |
| Bevel Cutting Function (optional) | Cutting head can rotated transform and programme automatically to achieve bevel cutting. | |

SAMPLE

