



## Fiber Laser Tube Cutting Machine

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Laser tube cutting machine incorporates space saving design and ease of use. Its high cutting speed and very low operating cost makes the most affordable system on the market. The light weight motion system allows excellent positioning accuracy while maintaining cutting speeds that are the highest in its class.

### Materials

The application is for cutting Mild Steel tube, Stainless Steel tube, Aluminium Alloy tube, copper tube, Brass tube ( Square tube, Round tube, Rectangular tube, C Channel, H Channel ), etc.,

## Benifits And Features

- Efficient cutting of square and rectangular section with a slide way mounted cutting head.
- Low noise levels and the very best cut quality.
- The optimum working parameters for the best possible machine performance.
- The material feed system and vice geometry assure the most positive clamping of the material during the cutting cycle whether the material is thin wall delicate tube or tough thick wall tube.
- During the material feeding process, the material is lifted away from the vice bed and vice jaws to prevent the material surface being marked or scratched.
- Cutting line has been designed to operate either as standalone system or fully integrated in a complete automatic line controlled by one CNC programming unit.

## Applicable Industries

- Fitness equipment, sporting goods, petroleum pipelines, construction machinery, passenger car manufacturing, Locomotive manufacturing, agriculture and forestry machinery, special vehicles, households appliances manufacturing, laser external processing services and other machinery manufacturing pipe process industry.
- Auto feed enable for perfect slicing of the job
- Finished job command offer to cut pipes without wastage
- Cut cross section to slice the pipe in desired location and also reduce the waste to minimal amount
- Hiding a layer enable to reduce lower number of outer slice
- Pneumatic or electric job holding provide proper position of the pipe in 3 Dimensions. Tube types Round, Oval & Rectangular
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# Specifications

Laser Power	W	1/2/3
X/Y Speed	m/min	100
Rotary Diameter	mm	160/220/320
Machine Weight	Kg	3500
Cutting range	mm	3000/6000
X Axis Stroke	mm	400
Y Axis Stroke	mm	3000/6000
Z Axis Stroke	mm	220
Positioning Accuracy	mm/m	$\leq \pm 0.05$
Max Idle Speed	m/mm	60
Repositioning Accuracy	mm	$\leq \pm 0.05$
Power	V/Hz	380/50
Cutting Acceleration	G	0.5
Controller		Cypcut
Weight	Kg	3500





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