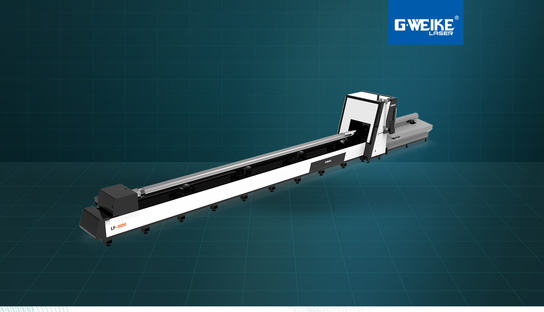


Autofocus Laser Cutting Head

Without Manual Focusing

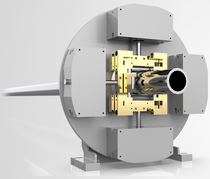
The software automatically adjusts the focusing lens to realize automatic perforating and cutting plates of different thickness. The speed of automatically adjusting focus lens is ten times of the manual adjusting.

Bigger Adjustment Range

Adjustment range: -10 mm ~ + 10mm, precision 0.01mm, suitable for 0 – 20mm different types of plates.

Long Service Life

Collimator lens and focus lens both have water-cooling heat sink which reduces the temperature of the cutting head to improve the life of the cutting head.



Clamping design

The front and rear chuck clamping design, automatically adjust the center, suitable for various pipes, the diagonal adjustment range is 20~300mm.

It can process super large diameter pipes, and the chuck rotates at a high speed, which can improve the processing efficiency.

Laser cutting machine remote control handle

The operation is simple, and the machine can be remotely controlled for cutting, perforating, moving, calibration, emergency stop and other operations.

Wireless handle control, free control of clamping pressure, convenient and practical, reducing pipe deformation.

Fractional Automatic Support Installation

It employs intelligent tube support design, which can solve the deformationproblems in the process of long tube cutting.

Machine Advantage

G.WK stroke automatic protection
It can monitor the operating range of beams and cutting parts throughout the process. Double guarantee with fixed limit
, It can greatly improve equipment and personal safety, and reduce customer risk.

Intelligent Alarm System
It can detect anomalies in advance, reduce hidden dangers, and double the effect of abnormal detection of equipment.

Industry Applications

Take the oil industry for example, the main route of oil transport is the pipeline, and because of the characteristics of the oil itself, leading to the high quality requirements of the pipeline. While fiber laser cutting machine can achieve the pipes multi-angle precision processing to fulfil the oil transportation requirement. Professional tube fiber laser cutting machine—LF60M is used for cutting square tube, rectangular tube, oval tube, waist type tube, hexagonal tube; square tube □ 20 * 20- □150 *150mm, round tube Φ20-Φ 210mm wall thickness of 0.5-10mm carbon steel tube, 0.5-10mm stainless steel tube.

Technical Parameters

E Series

Machine model	LF-90M
Laser power	1000W 1500W 2000W 3000W 4000W 6000W 8000W (OPTIONAL)
Cutting breadth	PROCESSING DIAMETER-Φ20MM-Φ300MM
Dimensions	15687*1767*2415MM
Repeat positioning accuracy	±0.02MM
Maximum acceleration	±0.02MM/M
Max. acceleration	1.5G
Voltage and frequency	380V 50HZ/60HZ

JINAN G.WEIKE SCIENCE & TECHNOLOGY CO.,LTD

In hi Tech square High-Tech Zone, Jinan,Shandong,China

E-mail：wkcutt@163.com

Hotline：400-061-521

Fax：+86-0531-88912386