

## Feeding Fiber Laser Tube Cutting Machine

### BRIEF OF APPLICATION

- ▶ The semi-automatic laser pipe cutting machine is specially tailored for small and medium-sized pipes. It has fast acceleration and **high-speed** cutting while ensuring cutting accuracy.
- ▶ The **high-intelligence** loading and unloading system can meet the automatic feeding, automatic cutting, and automatic unloading processes. Solve the problem of recruitment difficulties for enterprises and reduce labor costs.



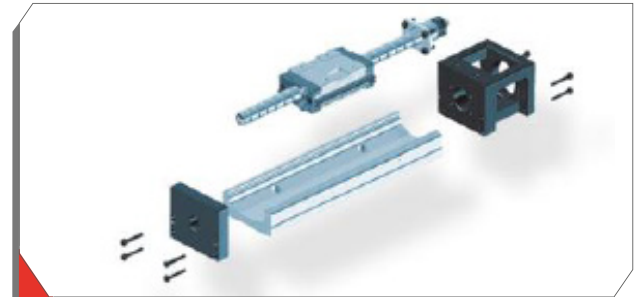
### ▶ Height Sensor:

The self-developed laser capacitor height controller is a high-performance control device that adopts a closed-loop control method. It also provides a unique Ethernet communication (TCP/IP protocol) interface, which can easily realize functions such as automatic height tracking, segment perforation, progressive perforation, edge finding, jumping, and arbitrary setting of cutting height. While ensuring the cutting accuracy, the response speed is also greatly improved.



## ► Transmission Parts:

Fast speed, high precision and strong reliability ensure long and stable operation. Higher speed, lower noise volume, ensuring high precision and long service life.



## ► Servo drive:

The control method ensures precise positioning and dynamic response, which makes the automatic positioning mechanism work smoothly, reliably and without maintenance; the X, Y and Z axes are driven by high power motors.



## ► Cutting System Software

- Support STP chart import, automatic generation of cutting path, cutting path process can be configured in sections.
- Support route panning function, which can compensate for errors caused by non-standard pipelines.
- Support small hole flying cutting function, which can greatly improve cutting efficiency and productivity.
- Supports round tube, square tube, waist tube, triangle tube, oval tube and other special shaped tubes.

TUBE NINJA FIBER LASER CUTTER	
Laser Power:	1500W /2000W
Tube diameter:	φ 6-φ 115 (Workpiece circumcircle)
Complete Consumption:	19KW
XYZ AXIS Position Accuracy:	≤±0.05mm
XYZ AXIS Repeat Position Accuracy:	≤±0.02mm
Min Cutting Kerf:	0.15mm
Acceleration:	1.8G
Max RPM:	160
Machine Weight:	2T
Machine Size:	334" x 70" x 70" (8500 X 1800 X 1800 mm)
Power Supply:	AC 380V(±10%)50/60 Hz

## CUTTING SAMPLES

