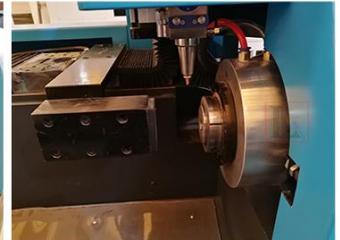
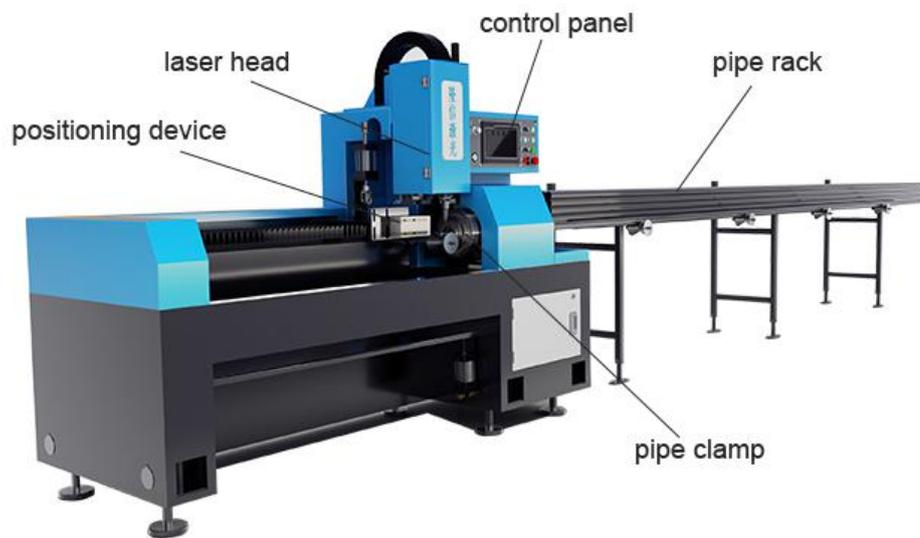


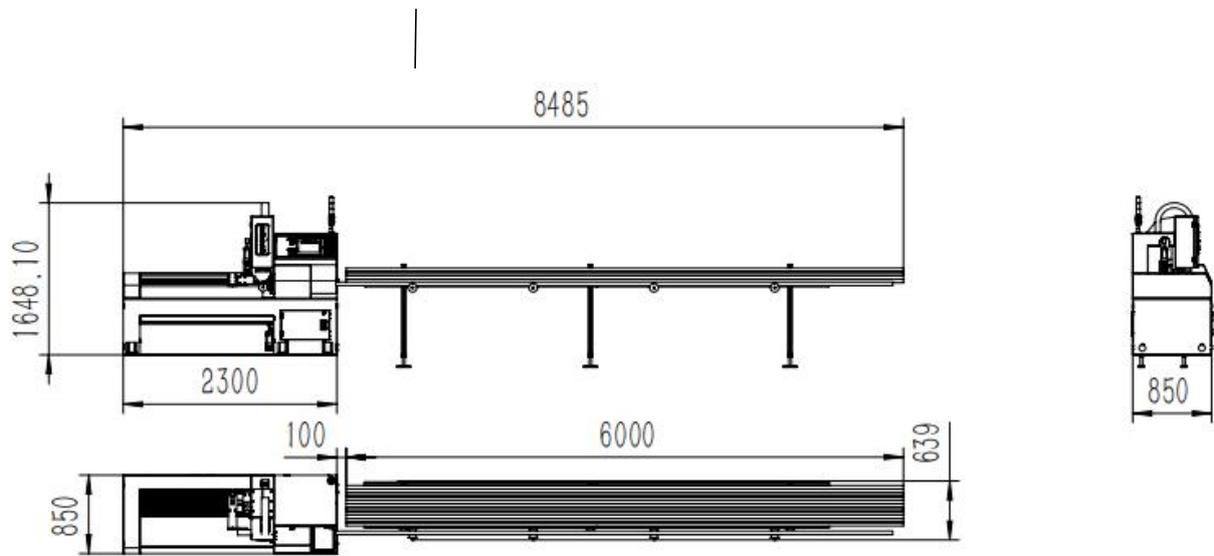
## Customer's requirement:

<b>Product</b>	steel
<b>Diameter</b>	OD8
<b>Thickness</b>	1.2MM
<b>Cutting length</b>	10-16mm

## Proposal: LJX-FL40 **patent product**

### Semi automatic laser pipe cutting machine (500W)





Machine dimension

## Features:

- Specially for small round tube cut off (OD5-42mm)
- High speed, can reach less than 1 second/cut
- Super low operation cost less than 0.5USD/ hour
- Easy operation
- Short pipe cutting remain ( $\geq 40$ mm)
- Smooth and burr-free cutting

## Cutting capacity

Material	Diameter * Thickness * Length	Cutting capacity
Stainless steel	12*0.4*252mm	1,500pcs/hour
Carbon steel	10*1.0*615mm	1,200pcs/hour
Stainless steel 304	20*0.4*298	1800pcs/hour

\*\*\*The actually cutting capacity would be affected by the manual feeding speed.\*\*\*

## Technical Specification:

Pipe size range	Round pipe $\Phi 5$ - $\Phi 42$ mm
Pipe thickness	$\leq 1.5$ mm (Depends on material)
Maximum Cutting speed	$\leq 0.8$ s/pc (Depends on material thickness)
Cutting accuracy	$\pm 0.1$ mm
Cutting length	$\leq 1200$ mm
Machine dimension	8500X1700X850mm with pipe rack
Laser power	500W

Electricity	380V 50Hz(can be customized)
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## Components

Item	Brand/Origin
LASER GENERATOR	JPT/CHINA
LASER HEAD	OSPRI/CHINA
SERVO MOTOR AND DRIVER	DELTA/TAIWAN
PNEUMATIC SYSTEM	AIRTEC/TAIWAN
ELECTRICAL PROPORTIONAL VALVE	SMC/JAPAN
AIR SWITCH & RELAY	SCHNEIDER/FRENCH
POWER SUPPLY	SIEMENS/GERMANY

## I. Operating cost (for reference only)

### 1. Total electricity consumption costs

Item	Rated power(KW)	Total power (KW)	Total power consumption (Setting factor: 60%)	Hourly consumption (take 0.1USD/kWh as an example)
Laser input power	2.0	5.4	5.4 x 60% = 3.24kWh / hour	3.24 x 0.1 USD / kWh = 0.324 USD / hour
Machine bed motor power	1.9			
Chiller	1.5			

### 2. Cutting air cost

Cutting air	Requirements	Pipe	Gas price (reference price)	Hourly cost
Air	Compressed air	SS/CS	0.00	0.00

### 3. Consumables

Item	Hourly consumption	Unit price	Remarks
Protective lens	0.05 USD	16USD	Life time 2-5months per piece
Cutting nozzle	0.05 USD	16USD	
Total	0.10 USD		



## After sales service:

### 1. How long is the warranty time of the machine?

We offer 1 year warranty, starts from the issue date of bill of lading. The warranty time for laser generator is 24 months. And we offer lifetime technical supports.

### 2. How can I use the machine?

We offer on-site free operation training for customer in our factory. User manual, installation and operation videos are available. If you still have doubts, welcome to contact us anytime. And oversea service is available, clients need to afford the tickets ,visa and accommodation and 100USD per day.

### 3.What should I do if this machine has a problem during the warranty?

Most components are free for replace

Our engineers offer 24 hours online service and free technical support.

Most components are free for replacement during warranty, such as PLC, touch screen, servo motor, etc. Customer only need to pay for the courier cost.

### 4. How strong is your company?

We are a professional pipe processing equipment manufacturer with 16 years experience. We have professional R&D department and after-sales department to offer you the best solution and technical support.