

Company Profile

SENFENG Laser Technology Co., Ltd., founded in 2004 as a globe-spanning metal forming manufacturer, has devoted itself to laser cutting, welding, bending, cleaning, cladding, flexible automation and new energy for years.

During production, all our machines have went through natural aging, heat treatment, shot blasting, powder coating, finish machining, quality inspection and many other professional treatments to keep them work for a long time.

Oversea Service Center



SENFENG USA (Los Angeles)



SENFENG USA (Chicago)



SENFENG Germany



SENFENG UAE



SENFENG Pakistan



SENFENG Japan

Domestic Service Center



Global Headquarters



Manufacturing Base(Qihe)



Manufacturing Base (Lingang Road, Jinan)



SENFENG (Suzhou) New Energy



SENFENG (F.T.Z.) Import & Export Company



SENFENG (Wuhan) Branch

Jinan Senfeng Laser Technology Co., Ltd.

📍 No. 1777 Kejia Road, High-tech Zone, Jinan City, Shandong Province, PRC

☎ +86 132 1054 6543 ✉ senfeng@sfcncclaser.com

🌐 www.senfenglaser.com

Note: The pictures and parameters in the album are for reference only, and the actual product shall prevail. Printed in Sept.2025.

SENFENG

Provide Global Customers
with Metal Forming
Automation Solutions

Cutting

Bending Welding
Cladding Cleaning
Automation New Energy

T Series

Two-chuck Tube Laser Cutting Machine

1.5-6kW

This is a hi-end professional tube processing solution developed by SENFENG based on its years of advanced technology and spirit of craftsmanship. With intelligent bus-based CNC system, it excels in intelligence and automation and may dock with other automatic units like robotic arm to make your production unmanned around the clock.



- Intelligent bus-based CNC system
- Two pneumatic self-centering chucks
- Cut with ultra-short tailing
- Follow-up supports/vari-pitch supports



Model	SF6012T	SF6016T	SF6020T	SF6024T	SF6035T
Laser Power (kW)	1.5-3	1.5-3	1.5-6	1.5-6	1.5-6
Max Length of Tube (mm)	6500	6500	6500	6500	6200
Cutting of Tube Size (mm)	Φ15~120 □15*15~120*120	Φ15~170 □15*15~170*170	Φ20~220 □20*20~150*150	Φ20~230 □20*20~230*230	Φ20~360 □20*20~360*360
Max Weight of Tube (kg)	120	160	200	260	500
X/Y-axis Positioning Accuracy (mm)	±0.05	±0.05	±0.05	±0.05	±0.05
X/Y-axis Repositioning Accuracy (mm)	±0.02	±0.02	±0.02	±0.03	±0.03
Max No-load Speed (m/min)	150	110	100	100	60
Max Rotating Speed of Chucks (r/min)	180	140	100	100	60
Overall Dimensions (L*W*H, mm)	8900*2100*2100	8980*3100*2100	9260*1900*2280	9260*1900*2280	9500*2050*2550
Power Supply	Three-phase 380V, 50Hz/60Hz (custom-made)				

Cut Various Tubes at Fast Speed

It adopts self-developed or globally renowned core components, offering superior dynamic performance. It operates approximately 50% faster than other similar models when cutting square, round, rectangular, oval tubes, I beam, channel and angle steels, and more.

- Tube size: **15-360mm**
- Max length of tube: **6500mm**
- Max no-load speed: **150m/min**
- Max rotating speed of chucks: **180r/min**

Cut with Ultra-short Tailing

As for its two pneumatic self-centering chucks, the front and rear chuck clamp tubes in turn, so that almost entire tube is within the cutting range. Tailing that must be discarded by traditional machines will be minimized, coupled with laser cutting head and unique cutting process.

Min tailing: **50mm**

Raise tube utilization

Save costs of raw materials

Fit for high-volume production

Two Kinds of Long Tube Supports

Follow-up supports can move with rotating tube to support it stably at any time. Vari-pitch supports are anti-abrasive and adapt to tubes of different diameters and shapes, to minimize cutting deviation arising from tube swing up and down.

Follow-up supports

Vari-pitch supports

Automatic Loading & Unloading Devices

It comes with turning plates as unloading device of which automatic sorting system is available to separate finished tubes from cutting scraps, needing no manual operation. Users may also select semi-/fully-automatic loading devices to reduce labor intensity and make production faster.

Semi-/fully-automatic loading devices (optional)

2m automatic unloading device (standard)