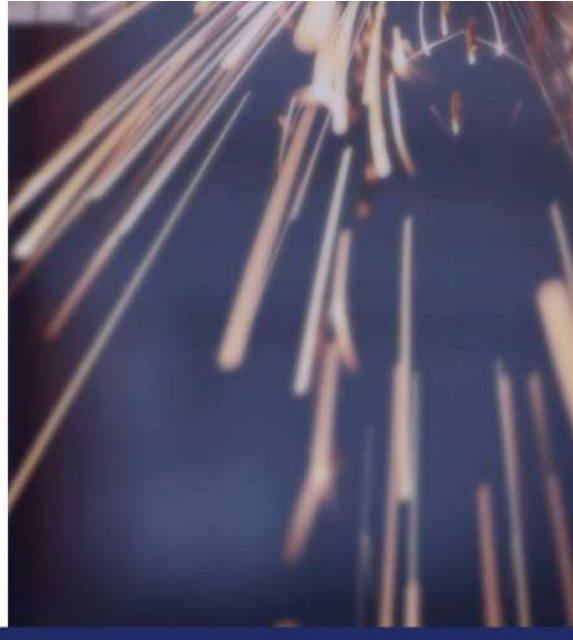


SINCE 2007

Leapion

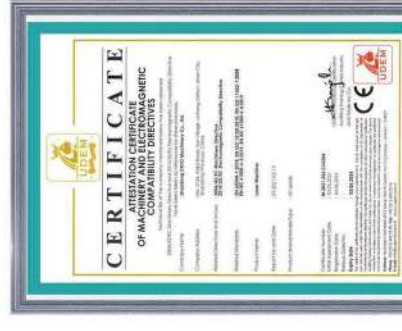
DATA
L A S E R



PROD
BROO



INTRODUCTION



FOCUS ON

LASER

Laser cutting

CUTTING

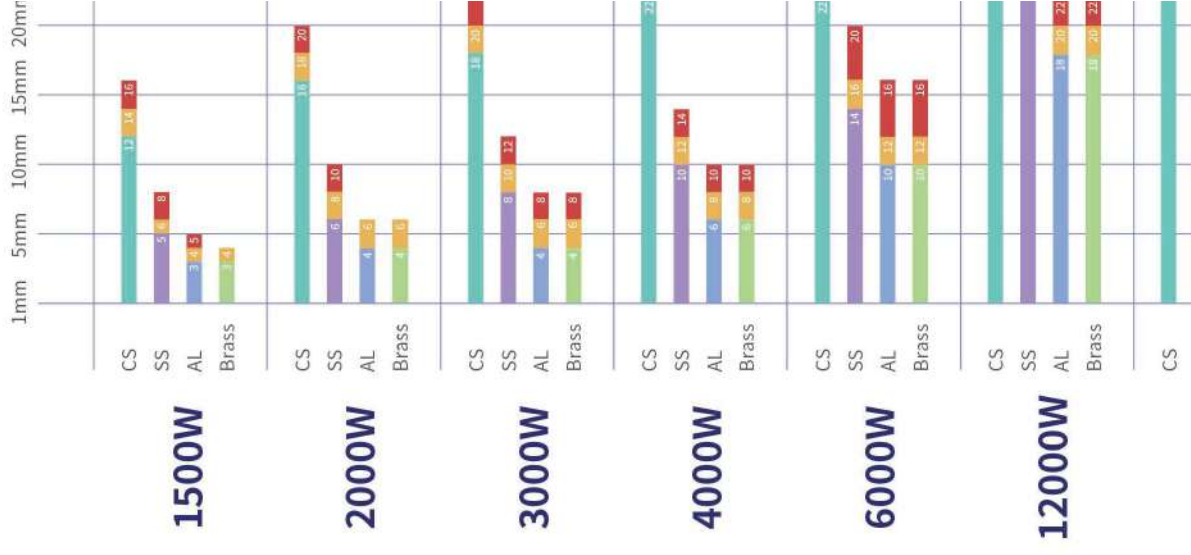
Laser welding



INDUSTRY 4.0

CUTTING A VARIETY

• Various material processing



LASER WELDING PARAMETERS



LASER WELDING PARAMETERS

Successful choice comes from trust in quality



Help various industries to develop efficiently and with high quality

INDUSTRY APPLICATION

Leapion Laser cutting machines play a key role in many industries



CONTENTS



2

SHEET AND TUBE METAL CUTTING MACHINE 25-34

- F-BT Dual-Use Sheet Tube Fiber Laser Cutting Machine
- FE-BT Exchange Platform Sheet And Tube Laser Cutting Machine
- FE-BSTS Protective Enclosed Sheet And Tube Laser Cutting Machine
- FE-BSTS-ALG Half-Tube Integrated Enclosed Laser Cutting Machine

1

SHEET METAL FIBER LASER CUTTING MACHINE 01-24

- F-EA Economic Fiber Laser Cutting Machine
- F-B Basic High Power Fiber Laser Cutting Machine
- FE-B Exchange Table Fiber Laser Cutting Machine

3

TUBE METAL FIBER LASER CUTTING MACHINE

- T-E Mini Laser Tube Cutting Machine
- T-H CNC Tube Laser Cutting Machine
- T-H3 Three Chuck Tube Fiber Laser Cutter

Products

SHEET METAL FIBER LASER CUTTING MACHINE

Leobon SATO

- F-EA Economic Fiber Laser Cutting Machine
- F-B Basic High Power Fiber Laser Cutting Machine
- FE-B Exchange Table Fiber Laser Cutting Machine
- FE-BS Protective Enclosed Fiber Laser Cutting Machine
- FE-BS-ALG Automatic Loading And Unloading Fiber Laser Cutting Machine
- F-BS Single Bed Enclosed Fiber Laser Cutting Machine
- F-P Mini High Precision Fiber Laser Cutting Machine
- F-GR Large Size Fiber Laser Cutting Machine
- PL Profile Cutting Machine
- FC-BS Coil-Fed Fiber Laser Cutting Machine
- FC-B Coil-Fed Fiber Laser Cutting Machine



F-EA

Economic Fiber Laser Cutting Machine

• Economical device designed for low power



Cost savings



Fast cutting speed



High efficiency

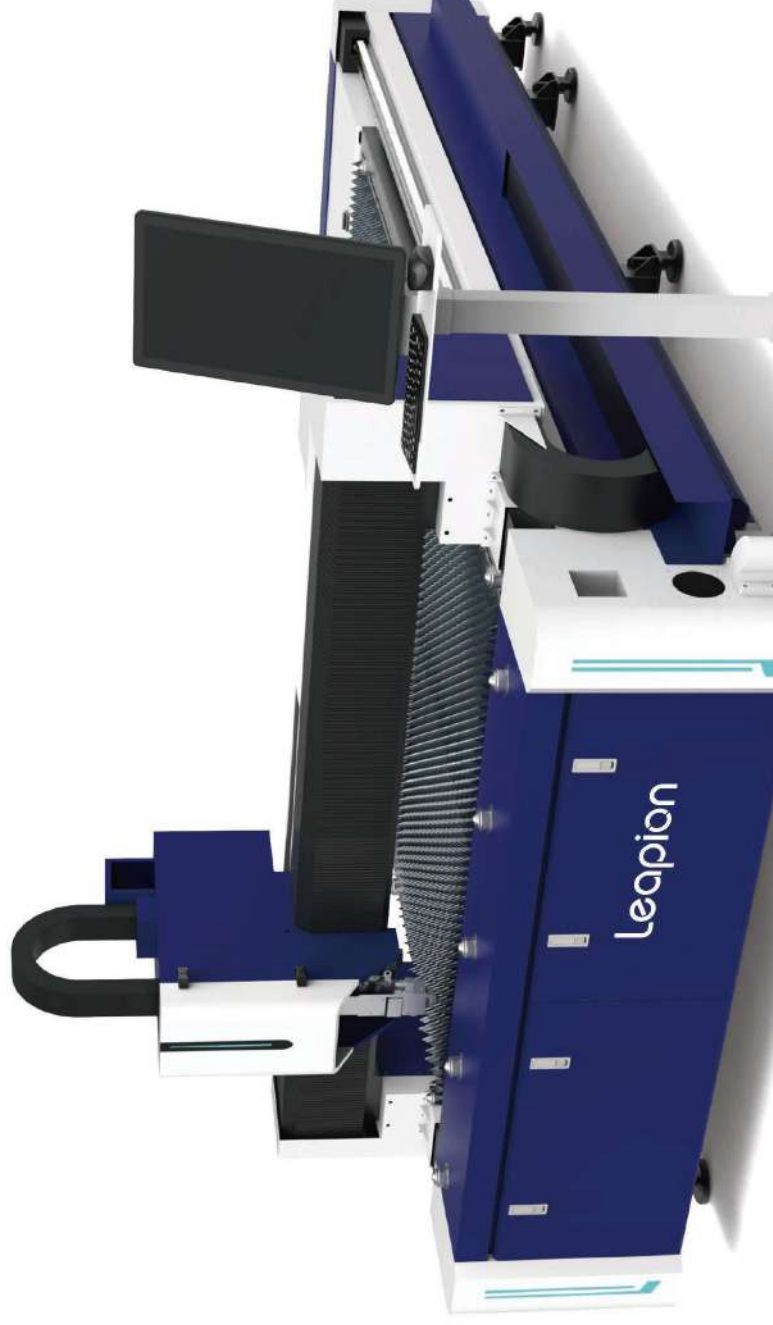


Cost savings

PRODUCT ADVANTAGES

Lighter
beam design

Improved mobility and cutting speed



DIMENSION LAYOUT

6300

4470

1970

1561

Technical Parameters

F-B

Basic High Power Fiber Laser Cutting Machine

• A cutting device with independent control cabinet design

00 Strong compatibility

H High power

Appearance optimization

Cost savings

PRODUCT ADVANTAGES



Japan Yaskawa motors



TAIWAN YYC rack

Hollow Steel Structure Frame

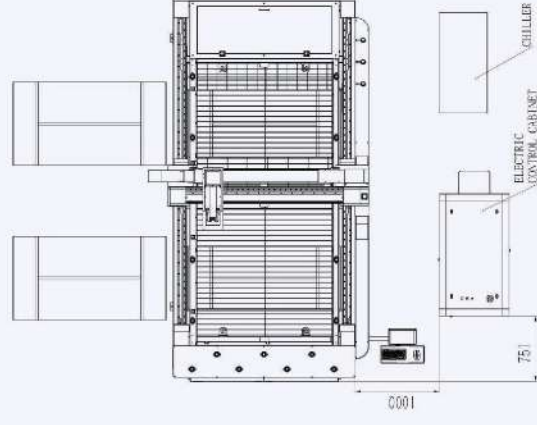
Intelligent design

Graphite anti-burn technology

Combination of hollow steel and precision welding



DIMENSION LAYOUT



Technical Parameters

FE-B

Exchange Table Fiber Laser Cutting Machine

- Quick-change platform cutting equipment with 3015 size



Fast exchange
speed



Save time



Intelligent Control



Easy to operate

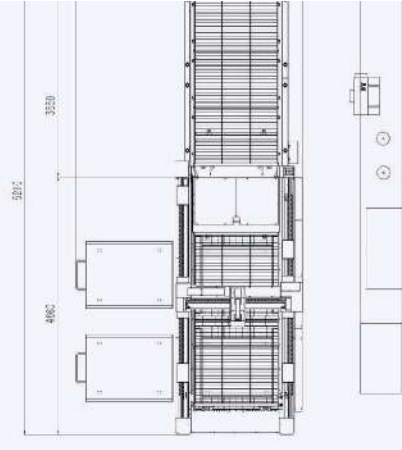
PRODUCT ADVANTAGES

Faster Exchange Speed

Platform exchange is controlled by the system, the pulley and the track are inlaid closely, and the built-in pulley runs smoothly.



DIMENSION LAYOUT



Technical Parameters

FE-BS

Protective Enclosed Fiber Laser Cutting Machine

- A device with a high-strength metal shell to protect against laser radiation



Radiation-free



Closed



Environmental friendly



Save time

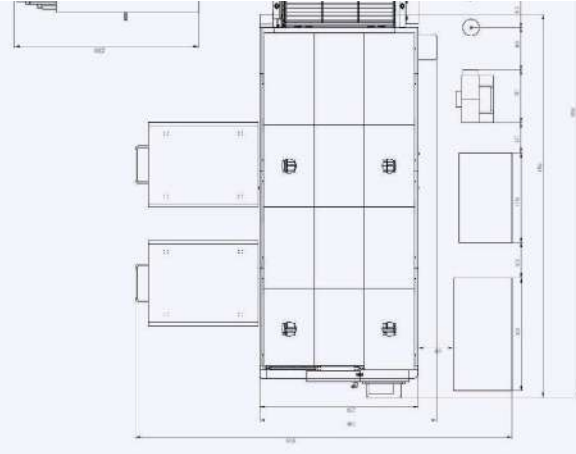
PRODUCT ADVANTAGES

Fuji servo motor

Strong power, precise control of machine movement path, high cutting accuracy



DIMENSION LAYOUT



Technical Parameters

FE-BS-ALG

Automatic Loading And Unloading Laser Cutting Machine

- A cutting device that uses automatic loading and unloading devices to achieve uninterrupted processing

 Intelligent Control

Precision



Save time



Efficient

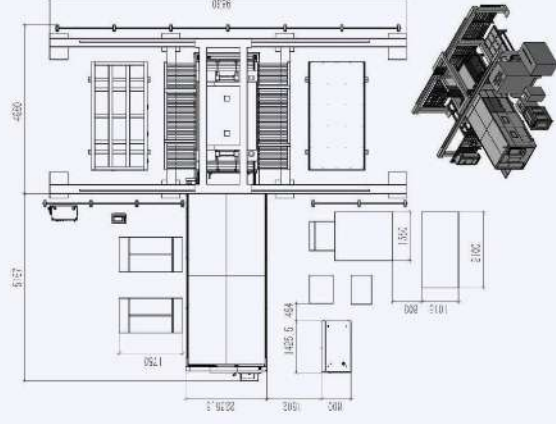
PRODUCT ADVANTAGES

Plate welding bed

Robust, stable, wear-resistant
and precise



DIMENSION LAYOUT



Technical Parameters

F-BS

Single Bed Enclosed Fiber Laser Cutting Machine

- Highly flexible containment equipment in a single platform configuration



High security



Highly flexible



Reduce transportation costs



Save assembly time

PRODUCT ADVANTAGES

Hollow steel frame

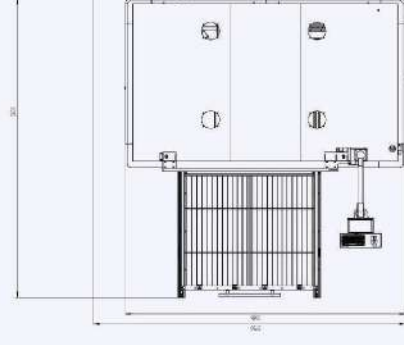
Made of steel base

High stability

Precise cutting



DIMENSION LAYOUT



Technical Parameters

F-P

Mini High Precision Fiber Laser Cutting Machine

• A device designed for high-speed laser processing of thin plates



High-cutting
efficiency



Small footprint



Stable structure



Scalability

PRODUCT ADVANTAGES

Linear Motors

Low power consumption

Smooth movement

High positioning accuracy

Fast response speed



DIMENSION LAYOUT

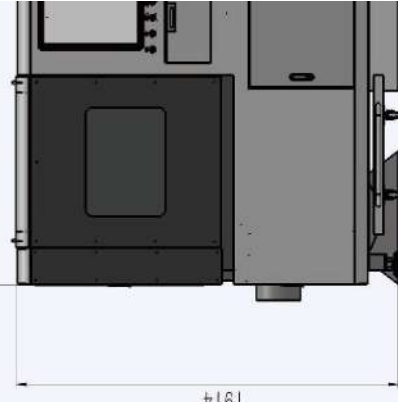


leapson



1673

1914



Technical Parameters

F-GR

Large Size Fiber Laser Cutting Machine

- Track-mounted large-format fiber laser cutting machine



Efficient cutting



Reduce costs



Fast signal response



High sensitivity

PRODUCT ADVANTAGES



Accurately ream
large workpieces

DIMENSION LAYOUT



Technical Parameters

PL

Profile Cutting Machine

- A large-format laser cutting machine with high precision



Precision



Large production scale



High efficiency



Various function options

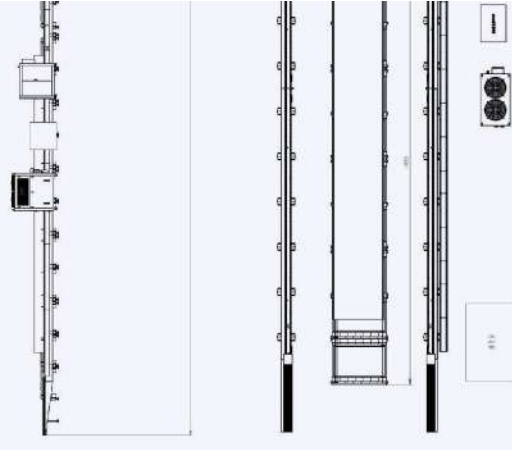
PRODUCT ADVANTAGES



Extra Large Cutting Area

- Realizes overall processing of oversized workpieces at cutting of metal plates

DIMENSION LAYOUT



FC-BS

Coil-Fed Fiber Laser Cutting Machine

• A coiling and leveling cutting machine with high precision, high efficiency and high performance



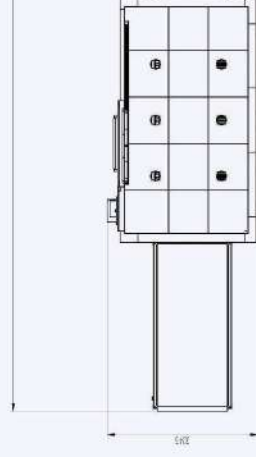
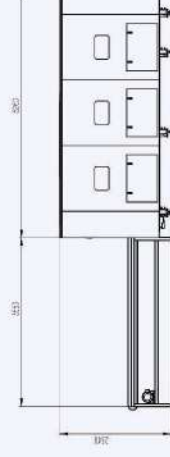
PRODUCT ADVANTAGES

Efficient uncoiling

Realize continuous processing and improve production efficiency and processing speed



DIMENSION LAYOUT



Technical Parameters

FC-B

Coil-Fed Fiber Laser Cutting Machine

• A coil-fed fiber laser cutting machine that combines unwinding, leveling, cutting and unloading into one smooth process



Efficient



Low cost



Stable performance



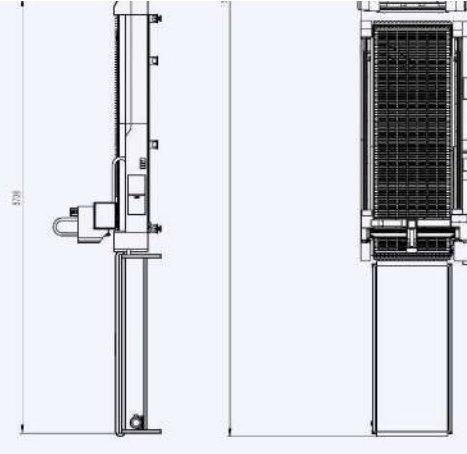
Versatile

PRODUCT ADVANTAGES



Automated Process

DIMENSION LAYOUT



Technical Parameters



Products

Plate / Integr

SHEET METAL LASER CUTTING MACHINES

- F-BT Dual-Use Sheet Tube Fiber Laser
- FE-BT Exchange Platform Sheet And
- FE-BSTS Protective Enclosed Sheet
- FE-BSTS-ALG Half-Tube Integrated



F-BT

Dual-Use Sheet Tube Fiber Laser Cutting Machine

• A machine that can cut both plates and pipes



High utilization efficiency



High hardness



Highly adaptable



Low failure rate

PRODUCT ADVANTAGES

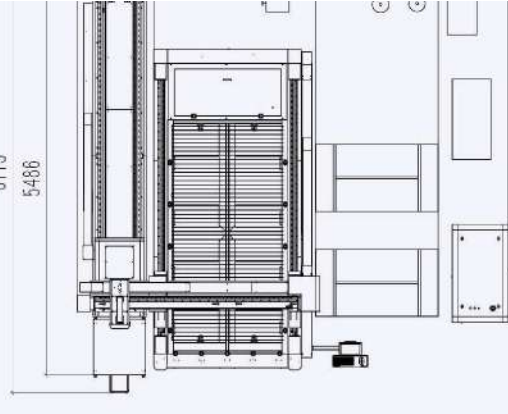
Carbon steel plate welding machine tool bed

- High-speed and precise cutting
- Excellent corrosion and wear resistance
- High precision and high reliability
- Easy, low-cost and simple maintenance



DIMENSION LAYOUT

6115
5486



Technical Parameters

FE-BT

Exchange Platform Sheet And Tube Laser Cutting Machine

- Plate-tube integrated equipment with exchange platform



Reduce time
cost



Reduce costs



Easy to operate



Ease of use

PRODUCT ADVANTAGES



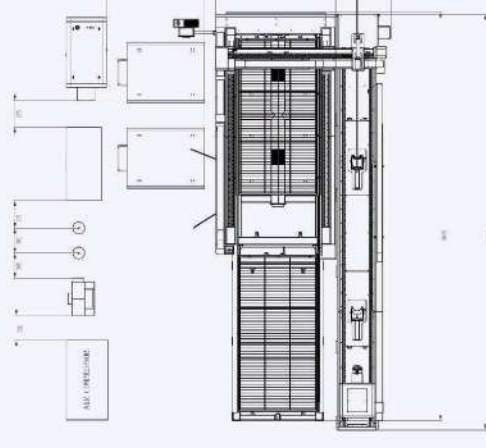
Double Fully-Automatic Pneumatic Chucks

High-precision clamping for precise cutting

Efficient operation, fast response

Stable and reliable performance

DIMENSION LAYOUT



Technical Parameters

FE-BSTS

Protective Enclosed Sheet And Tube Laser Cutting Machine

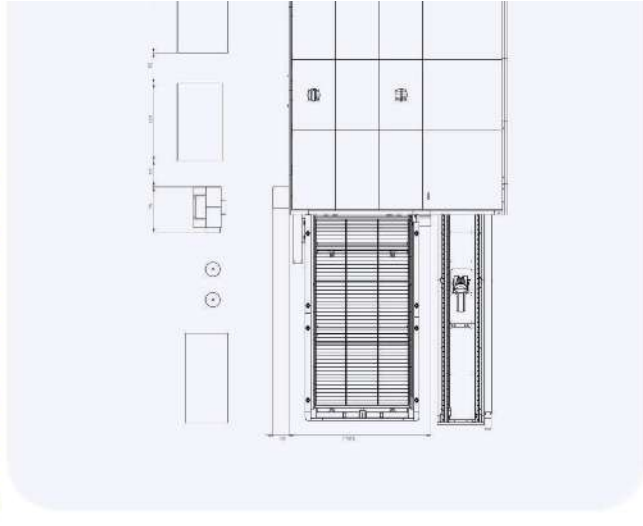
• This equipment is a laser cutting equipment that can process sheet metal parts and pipe parts at the same time



PRODUCT ADVANTAGES



DIMENSION LAYOUT



Technical Parameters



FE-BSTS-ALG

Half-Tube Integrated Enclosed Laser Cutting Machine

- A laser cutting machine with a half-tube integrated enclosed structure for loading and unloading



Environmental friendly



Stable quality



High efficiency

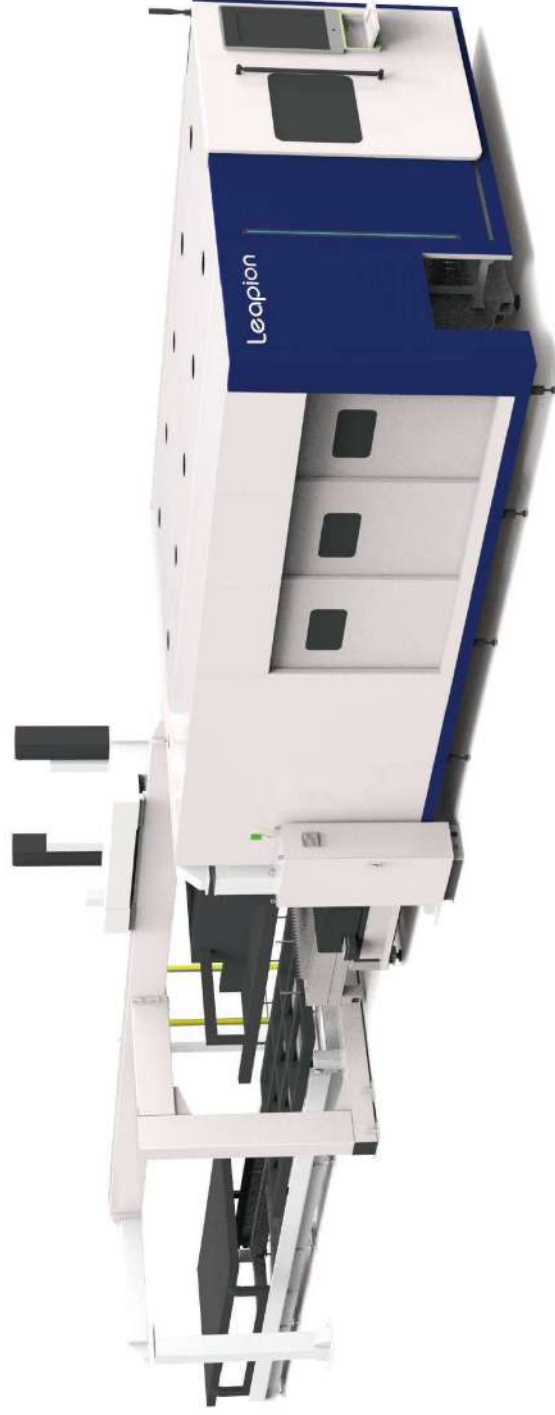


and performance

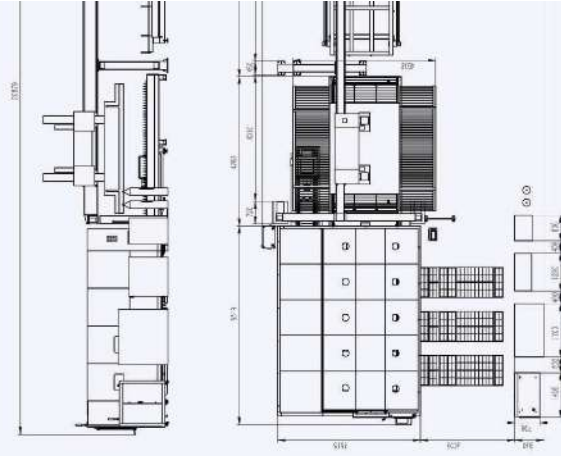
PRODUCT ADVANTAGES



We
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mee



DIMENSION LAYOUT



Technical Parameters

Products

TUBE METAL FIBER LASER CUTTING MACHINE

LEAPION PATENT

- T-E Mini Laser Tube Cutting Machine
- T-H CNC Tube Laser Cutting Machine
- T-H3 Three Chuck Tube Fiber Laser Cutter
- T-H3A Auto Loading Tube Cutting Machine
- ST2 Two Chuck Suspended Laser Tube Cutter
- ST3 Three Chuck Suspended Laser Tube Cutter
- ST4 Four Chuck Suspended Laser Tube Cutter



T-E

Mini Laser Tube Cutting Machine

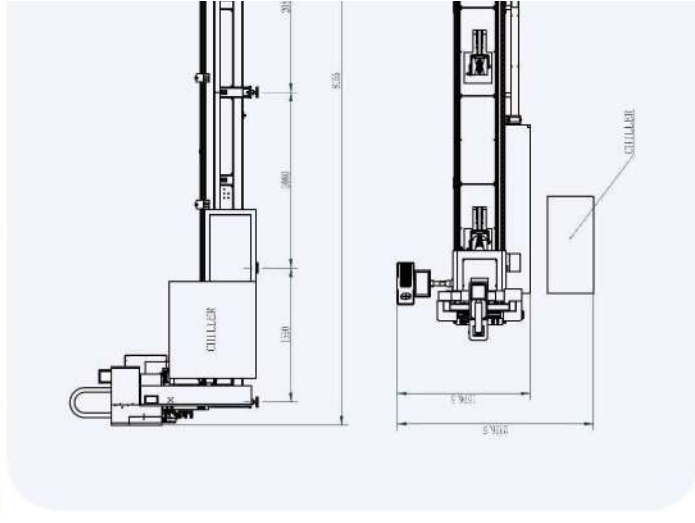
• A device designed specifically for cutting small pipes



PRODUCT ADVANTAGES



DIMENSION LAYOUT



Technical Parameters

T-H

CNC Tube Laser Cutting Machine

• One machine with 3D cutting head and dedicated pipe layout software



diversification



durable



precision



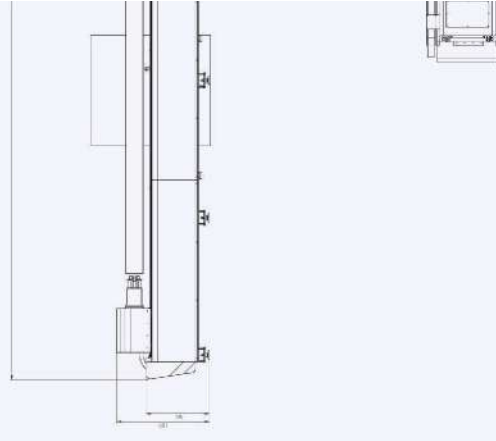
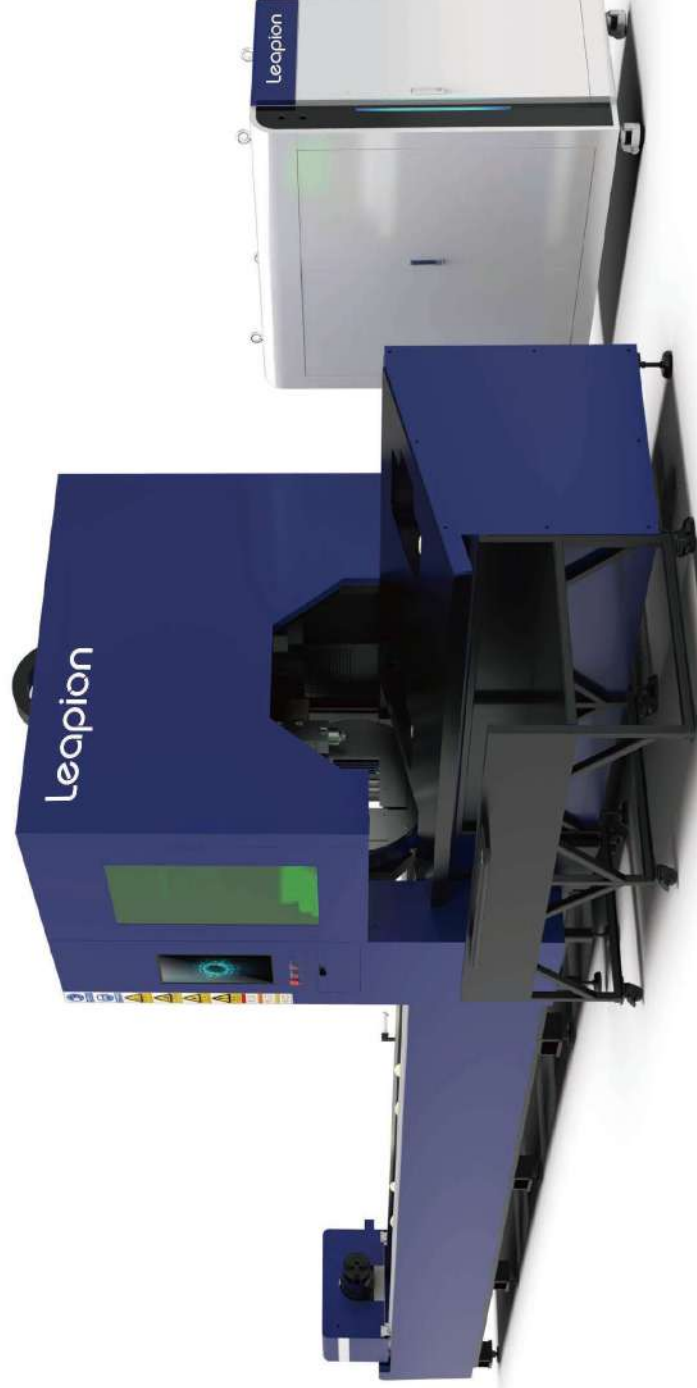
Fast speed

PRODUCT ADVANTAGES

Rack and Pinion



DIMENSION LAYOUT



Technical Parameters

T-H3

Three Chuck Tube Fiber Laser Cutting Machine

- A tube cutting machine using a three-chuck system with a removable middle chuck



Strong stability



High degree of automation



Adjustable



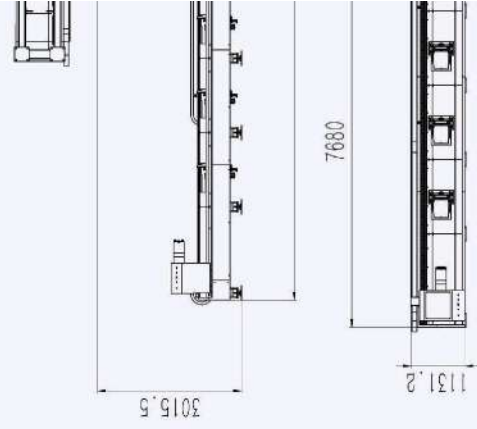
Uniqueness

PRODUCT ADVANTAGES



Three-Chuck Clamping, Stable Cutting
One-button clamping, automatic centering, high de

DIMENSION LAYOUT



Technical Parameters

T-H3A

Auto Loading Tube Cutting Machine

- A device with a fully automatic feeding system



Fast speed



High precision



High sensitivity

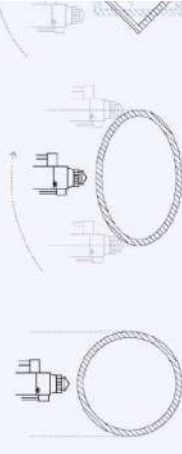


Intelligent recognition

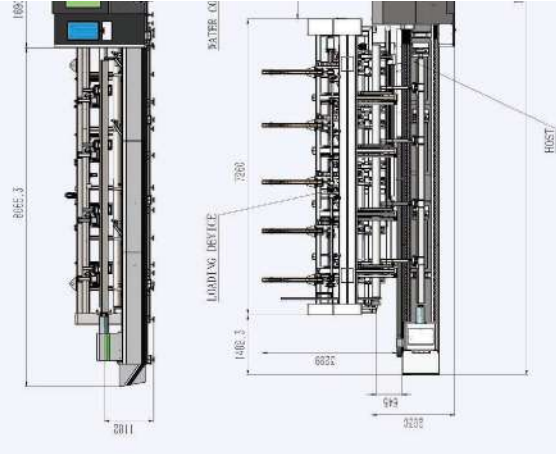
PRODUCT ADVANTAGES

Intelligent Recognition

- With contour recognition system, it can automatically identify standard round, oval, square and other special-shaped pipes.



DIMENSION LAYOUT



Technical Parameters

ST2

Two Chuck Suspended Laser Tube Cutting Machine

• A pipe laser cutting machine with a double chuck suspension design and high efficiency and stable cutting performance



Efficient



High precision

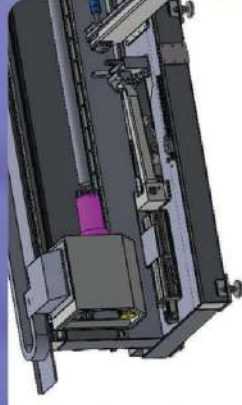


Stablize



Semi-automatic

PRODUCT ADVANTAGES

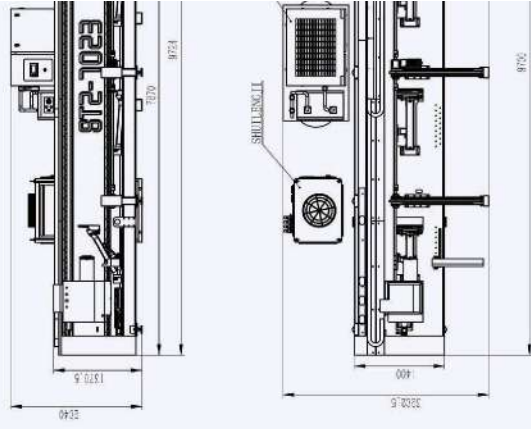


Side-Mounted Bed Structure

- Smooth operation during high-speed cutting

Fr

DIMENSION LAYOUT



Technical Parameters

ST3

Three Chuck Suspended Laser Tube Cutting Machine

• A pipe laser cutting machine with three-chuck suspension design and high efficiency and stable cutting performance



Smooth



Efficient

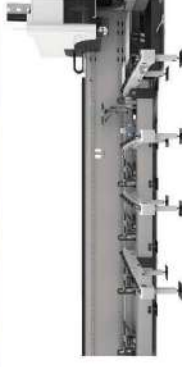


Semi-automatic
loading



Good performance

PRODUCT ADVANTAGES

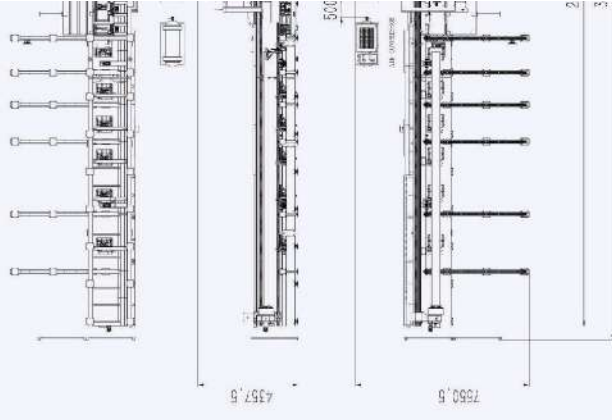


Stable
Be
High
dy



Servo
Follower

DIMENSION LAYOUT



Technical Parameters

ST4

Four Chuck Suspended Laser Tube Cutting Machine

• A four-chuck hanging automatic loading and unloading pipe laser cutting machine



Fast feeding



High efficiency



Quality Assurance



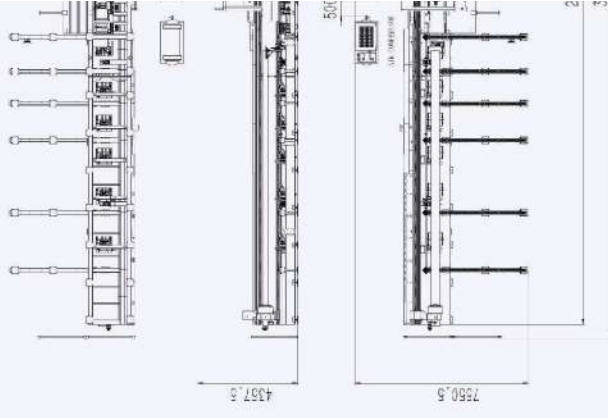
Stabilize

PRODUCT ADVANTAGES



High-Eff
Laser Sc
Achieve top-

DIMENSION LAYOUT



Technical Parameters

PRODUCTS

OTHER MACHINES



LW-4W

- The equipment has four functions: welding, cutting, cleaning and solder joint cleaning

Diversity

Versatility

Cost savings

 Intelligent temperature control

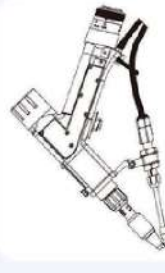
PRODUCT ADVANTAGES

Adjustable
welding parameters

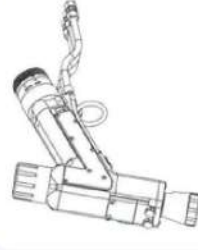
Six welding modes can be switched at will



DIMENSION LAYOUT



Welding



Cleaning



Technical Parameters

LW-R

Automatic Laser Welding Machine Collaborative Robot

- Industrial robots with greater load capacity and longer reach



Small impact
of hot spots



Stable quality



High efficiency

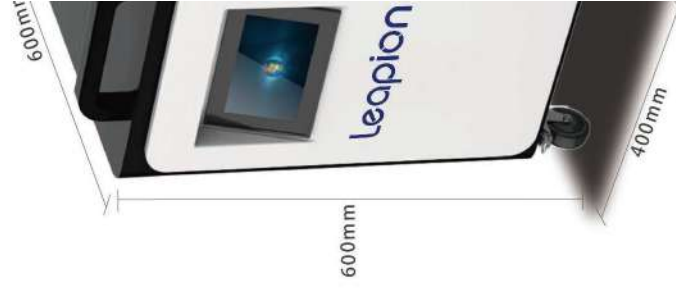


Arm span

LW-A

Air-Cooled Welding Machine

- A handheld laser welding machine



LC-C

Continuous Wave Laser Cleaning Machine

• With powerful water cooling system



Sturdy



Powerful water
cooling system



All-day operation



Efficient heat
dissipation

PRODUCT ADVANTAGES

Sturdy construction

Quiet wheels and sturdy construction
make the machine stable and easy to move

Application Industry



Automotive Industry

Cleaning Mode



LC-S

Suitcase Laser Cleaning Machine

- A cleaning device with a suitcase design



All-day operation



Efficient heat dissipation



Sturdy



Powerful water cooling system

LC-B

Backpack Laser Cleaning Machine

- Backpack design, battery-powered, suitable for outdoor cleaning

LC-P

Pulse Wave Continuous

- Portable design, easy to carry, a clean



LM-D

Desktop Fiber Laser Marking Machine

- Automatic marking equipment that quickly engraves text and patterns on the surface of products through laser



Long-lasting



Easy to move



Strong stability



Quick positioning

LM-P

Portable Fiber Laser Marking Machine

- Marking sample display



Laser Welding Machine

Handheld welding machine				
Model	LW-A	LW-4W	LW-4W(6KW)	
Model rendering				
Equipment form	Integrated chassis	Split chassis	Integrated chassis	
Laser power	1200W	1500W/2000W/3000W	6000W	
Wire feeder	Single wire feeder (standard) Dual wire feeder (optional)	Single wire feeder (standard) Dual wire feeder (optional)	Four wire feeders (standard) Dual wire feeders (optional)	
Function	Welding, cutting, weld cleaning, remote cleaning	Welding, cutting, weld cleaning, remote cleaning	welding	
Wire size	0.8/1.0/1.2/1.6/2.0mm	0.8/1.0/1.2/1.6/2.0mm	0.8/1.0/1.2/1.6/2.0mm	
Power adjustment range	300-1200W adjustable	300-1500W/300-2000W/300-3000W adjustable	300-6000W adjustable	
Weld width	0-8mm adjustable	0-8mm adjustable	0-12mm adjustable	
Welding thickness	Stainless steel, Carbon steel 4mm Aluminum 3mm	Stainless steel, Carbon steel 4mm/6mm/8mm Aluminum 3mm/5mm/6mm	Stainless steel, Carbon steel 16mm Aluminum 8mm	
Maximum gap between materials	1mm (single wire feed) 2mm (double wire feed)	1mm (single wire feed) 2mm (double wire feed)	2mm (double wire feed) 3mm (four wire feed)	
Equipment dimensions	600mmX400mmX600mm	900mmX730mmX980mm (1.5-2kw) 1160mmX730mmX980mm (3kw)	1450mmX840mmX1200mm	

Model	LW-R(Handheld welding machine)			
Model rendering				
Equipment form	Handheld laser welding machine + collaborative robot			
Laser power	1500W/2000W/3000W			
Wire feeder	Single wire feeder (standard) Dual wire feeder (optional)			
Function	Welding, cutting, weld cleaning, remote cleaning			
Wire size	0.8/1.0/1.2/1.6/2.0mm			
Power adjustment range	300-1500W/300-2000W/3000W adjustable			
Weld width	0-8mm adjustable			
Welding equipment dimensions	900X720X980mm 1250X720X980mm			
Welding equipment weight	140kg (1.5-2kw) 170kg (3kw)			
Wooden box packing size	1000X1100X1160mm (1.5-2kw) 1610X720X1160mm (3kw)			

Laser Cleaning Machine

Continuous cleaning machine				Pulse cleaning machine
Model	LC-C (1.5-3kw)	LC-C (6kw)	LC-B	LC-S
Model rendering				
Equipment form	Split chassis	Integrated chassis	Backpack	Luggage type
Laser power	1500W/2000W/3000W	6000W	100W/200W/300W	100W/200W/300W
Laser Brand	MAX	MAX(50um)	JPT	JPT
Cleaning head and system	SUP22C	FWH60-C30A	Guoyuan 100P/200P/300P	Guoyuan P200/P300
Cleaning head galvanometer motor	Single motor	Single motor	Dual motors	Dual motors
Function	Remote cleaning	Remote cleaning	Remote cleaning	Remote cleaning
Focal length	F800	F1800	F160/F210/F254	F210/F254
Cleaning width	0-300mm adjustable	200-1200mm adjustable	100mm/140mm/160mm	140mm/160mm
Cleaning distance	500mm	1500mm	180mm/240mm/285mm	240mm/285mm
Cleaning Type Range	Rust, paint, oil, welds, oxide layers	Rust, paint, oil, welds, oxide layers	Rust, paint, oil, welds, oxide layers	Rust, paint, oil, welds, oxide layers
				Rust, paint, oil, welds, oxide layers

