

BEST CHOICE FOR NEARLY 10000 USERS WORLDWIDE



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WORLD  
BRAND

PRACTICE INTELLIGENT LASER  
**MANUFACTURING**  
BE DEVOTED TO CHINA CREATION

High Power Fiber Laser Cutting Machine  
Automatic Tube Fiber Laser Cutting Machine  
Rolled Coil-Fed Fiber Laser Cutting Machine  
Professional Fiber Laser Welding Equipment

# Company Profile

Knoppo Laser was built in 2004, is one of the world's leading manufacturers of high-tech industrial laser solutions, dedicated to providing laser intelligent equipment solutions and enabling our customers in various branches around the world to become more efficient and competitive. With more than 15,000 laser cutting systems in the market and a rapidly increasing global base, Knoppo Laser is in a favorable position to serve the international customer base, guaranteeing highest quality and shortest response times in already more than 100 countries. Our focus is on the innovation, continuous improvement and rapid development of technologies, all of which aim to increase efficiencies and flexibility, minimize costs while generating the highest levels of environmental friendliness and sustainability to our all benefit. We aim to provide key technologies and customized integration solutions for Industry 4.0 and smart factories, helping enterprises to make perfect use of the many opportunities arising in the digital age.



Modern Advanced One-stop Production Line / 2500+ Sets of Annual Production Capacity /  
17 Years of Laser Equipment Manufacturing Experience / 100000m<sup>2</sup> Industrial Park Manufacturing Base

**Culture:**

Hard Struggle And Audacious Innovation!

**Mission:**

Practice Laser Intelligent Manufacturing ,Be Devoted to China Creation!

**Vision:**

To be the hot land of strivers and the stage of innovators!

To be the promotion emissary and application master of laser technology!

To be the high-quality partner of global laser industry chain!

**Service Tenet:**

All for customers, for all customers.



WORLD  
BRAND

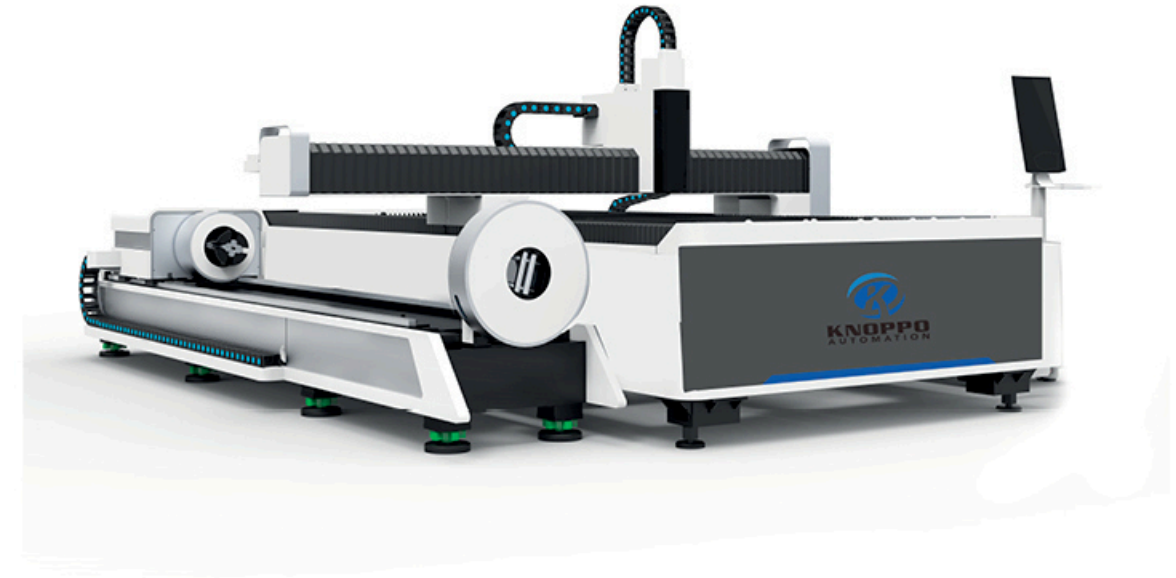
## KF SERIES

### SINGLE PLATFORM FIBER LASER CUTTING MACHINE



## KF-T SERIES

### OPEAN SHEET&TUBE LASER CUTTING MACHINE



Tube Processing Range(Length × Diameter) 6000mm ×  $\phi$  20-220mm  
6000mm × □20-150mm

| Feature/Model                   | KF3015                    | KF4015                    | KF4020                    | KF6015                    | KF6025                    | KF8025                    |
|---------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Laser Power                     | 1KW - 40KW                |                           |                           |                           |                           |                           |
| Working Area (L×W)              | 3000×1500mm               | 4000×1500mm               | 4000×2000mm               | 6000×1500mm               | 6000×2500mm               | 8000×2500mm               |
| Stroke (X/ Y/ Z Axis)           | 1520mm<br>3050mm<br>100mm | 1520mm<br>4050mm<br>100mm | 2020mm<br>4050mm<br>100mm | 1520mm<br>6050mm<br>100mm | 2520mm<br>6050mm<br>100mm | 2520mm<br>8050mm<br>100mm |
| X/Y Axis Repositioning Accuracy | ±0.02mm                   | ±0.02mm                   | ±0.02mm                   | ±0.02mm                   | ±0.02mm                   | ±0.05mm                   |
| Max. Moving Speed               | 100m/min                  | 100m/min                  | 100m/min                  | 100m/min                  | 100m/min                  | 100m/min                  |
| Max. Acc. Speed                 | 1.2G                      | 1.2G                      | 1.2G                      | 1.2G                      | 0.8G                      | 0.8G                      |
| Overall Dimensions (L×W×H)      | 4600×2780<br>×2000mm      | 6000×2780<br>×2000mm      | 6000×3260<br>×2000mm      | 8300×2780<br>×2000mm      | 8300×3800<br>×2000mm      | 10200×3880<br>×2000mm     |
| Machine Weight                  | ≈2700kg                   | ≈3500kg                   | ≈4200kg                   | ≈4910kg                   | ≈6700kg                   | ≈8700kg                   |

Above parameters are for reference only.

| Feature/Model                   | KF3015T                   | KF4020T                   | KF6020T                   |
|---------------------------------|---------------------------|---------------------------|---------------------------|
| Laser Power                     | 1KW- 6KW                  |                           |                           |
| Working Area (L×W)              | 3000×1500mm               | 4000×2000mm               | 6000×2000mm               |
| Stroke (X/ Y/ Z Axis)           | 2450mm<br>3050mm<br>200mm | 2950mm<br>4050mm<br>300mm | 3050mm<br>6050mm<br>300mm |
| X/Y Axis Repositioning Accuracy | ±0.02mm                   | ±0.02mm                   | ±0.02mm                   |
| Max. Moving Speed               | 100m/min                  | 100m/min                  | 100m/min                  |
| Max. Acc. Speed                 | 1.0G                      | 1.0G                      | 0.8G                      |
| Overall Dimensions (L×W×H)      | 9850×4000<br>×2300 mm     | 12330×4500<br>×2300 mm    | 16350×4900<br>×2700 mm    |
| Machine Weight                  | ≈7000kg                   | ≈9200kg                   | ≈16000kg                  |

Above parameters are for reference only.

## KP1390 KP1610 SERIES

SMALL FIBER LASER  
CUTTING MACHINE



| Model                           | KP1390                | KP1610           |
|---------------------------------|-----------------------|------------------|
| Working Area                    | 1300*900mm            | 1600*1000mm      |
| Laser Power                     | 1.5KW 2KW 3KW 4KW 6KW |                  |
| X/Y-axis Positioning Accuracy   | 0.03mm                |                  |
| X/Y-axis Repositioning Accuracy | 0.02mm                |                  |
| Max. Acceleration               | 1.5G                  |                  |
| Max. linkage speed              | 140m/min              |                  |
| Weight                          | 1800KG                | 2000KG           |
| Dimension                       | 1900×1800×1850MM      | 2000×1900×1850MM |

Above parameters are for reference only.

## KF3015P SERIES

SINGLE TABLE FIBER  
LASER CUTTING MACHINE WITH PROTECTION COVER

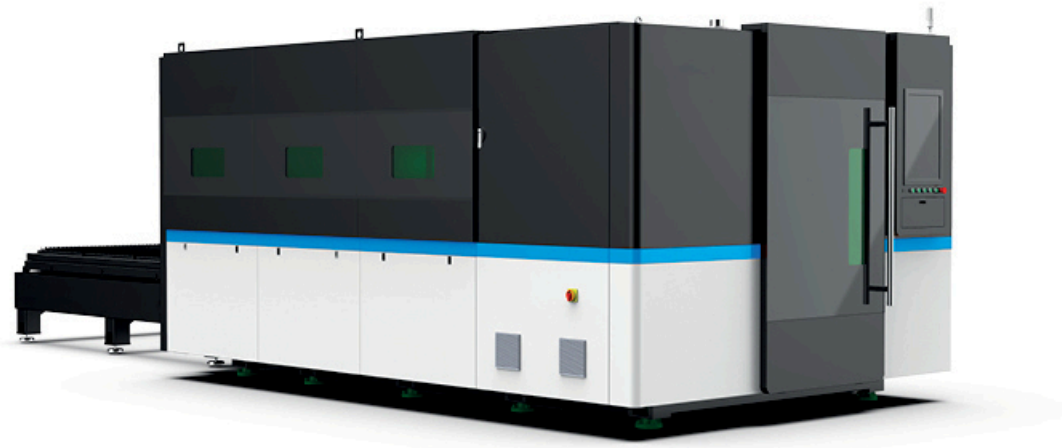


| Model                           | KF3015P                    |
|---------------------------------|----------------------------|
| Working Area                    | 3000*1500mm                |
| Laser Power                     | 1.5KW 2KW 3KW 4KW 6KW 12KW |
| X/Y-axis Positioning Accuracy   | 0.03mm                     |
| X/Y-axis Repositioning Accuracy | 0.02mm                     |
| Max. Acceleration               | 1.5G                       |
| Max. linkage speed              | 140m/min                   |
| Weight                          | 3200KG                     |
| Dimension                       | 4700×2800×2050MM           |

Above parameters are for reference only.

## KP SERIES

### HIGH POWER LASER CUTTING MACHINE



| Feature/Model                   | KP3015                    | KP4015                    | KP4020                    | KP6015                    | KP6025                    | KP8025                    |
|---------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Laser Power                     | 1KW - 40KW                |                           |                           |                           |                           |                           |
| Working Area (L×W)              | 3000×1500mm               | 4000×1500mm               | 4000×2000mm               | 6000×1500mm               | 6000×2500mm               | 8000×2500mm               |
| Stroke (X/ Y/ Z Axis)           | 1520mm<br>3050mm<br>100mm | 1520mm<br>4050mm<br>100mm | 2020mm<br>4050mm<br>100mm | 1520mm<br>6050mm<br>100mm | 2520mm<br>6050mm<br>100mm | 2520mm<br>8050mm<br>100mm |
| X/Y Axis Repositioning Accuracy | ±0.02mm                   | ±0.02mm                   | ±0.02mm                   | ±0.02mm                   | ±0.02mm                   | ±0.05mm                   |
| Max. Moving Speed               | 100m/min                  | 100m/min                  | 100m/min                  | 100m/min                  | 100m/min                  | 100m/min                  |
| Max. Acc. Speed                 | 1.2G                      | 1.2G                      | 1.2G                      | 1.2G                      | 0.8G                      | 0.8G                      |
| Overall Dimensions (L×W×H)      | 4600×2780<br>×2000mm      | 6000×2780<br>×2000mm      | 6000×3260<br>×2000mm      | 8300×2780<br>×2000mm      | 8300×3800<br>×2000mm      | 10200×3880<br>×2000mm     |
| Machine Weight                  | ≈2700kg                   | ≈3500kg                   | ≈4200kg                   | ≈4910kg                   | ≈6700kg                   | ≈8700kg                   |

Above parameters are for reference only.

## KT 6

### HEAVY DUTY TUBE LASER CUTTING MACHINE



| Laser Power     | Pipe Processing Range  |                 | Pipe Processing Length  | Max Single Tube Loading Weight                      |
|-----------------|--|-----------------|---|---|
| 1000W-6000W     | 20-350mm<br>□20-250mm<br>U-Steel 5#-32#<br>I-Beam 10#-25#<br>Angle Iron 30-100 |                 | 6000mm  | 400KG   |
| Max. Acc. Speed | Max. Acc. Speed  | Max. Acc. Speed | Overall Dimensions (L×W×H) Without Feeding and Receiving Device | Machine Weight Without Feeding and Receiving Device |
| 0.6G            | 80r/min  | 350mm           | 10250×2700×2700mm   | ≈5600kg   |

Above parameters are for reference only.

## KT12 WITH 3 CHUCKS

### ZERO TAILING 3 CHUCK OVERWEIGHT TUBE LASER CUTTING MACHINE



| Laser Power     | Pipe Processing Range   |                 | Pipe Processing Length   | Max Single Tube Loading Weight                      |
|-----------------|---|-----------------|--|---|
| 3000W-12000W    | $\phi$ 50- $\phi$ 500mm<br>$\square$ 50-350mm<br>U-Steel 5#-40#<br>I-Beam 10#-40#<br>Angle Iron 250*250mm |                 | 12000mm  | 1500KG  |
| Max. Acc. Speed | Max. Acc. Speed   | Max. Acc. Speed | Overall Dimensions (LxWxH)<br>Without Feeding and Receiving Device | Machine Weight Without Feeding and Receiving Device |
| 0.4G            | 40r/min   | 0               | 30000×5000×3250mm  | ≈23210kg  |

Above parameters are for reference only.

## KD-BR

### DEBURRING MACHINE



| Maximum width of working area | 450mm,800mm,1000mm,1300mm,1600mm |
|-------------------------------|----------------------------------|
| Thickness range               | 0.5-80mm                         |
| Size range                    | ≥50×50mm                         |
| Feeding speed                 | 0.5-6m/min                       |
| Roller speed                  | 8-20r/s                          |
| Main motor                    | Huarun                           |
| electrics                     | Schneider                        |
| Main bearing                  | NSK                              |
| Magnetic valve                | Airtac                           |
| Controller                    | Delta PLC                        |

Above parameters are for reference only.

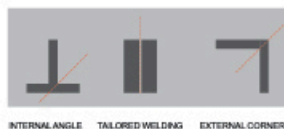


## PROFESSIONAL HANDHELD FIBER LASER WELDING MACHINE

Integrated Design  
Save Space

Simple Operation

Welded at Any Angle



### APPLICATION

Widely used in the kitchen and bathroom industry, home appliance industry, advertising industry, mold industry, stainless steel doors and windows industry, handicraft industry, homeware industry, furniture industry, auto parts industry, etc.

### APPLICABLE MATERIALS

Mainly suitable for welding stainless steel, carbon steel, alloy steel, silicon steel, spring steel, aluminum, aluminum alloy, galvanized sheet, galvanized aluminum sheet, etc.

### TECHNICAL PARAMETERS



| KW-M SERIES                    |                        |                        |                        |
|--------------------------------|------------------------|------------------------|------------------------|
| Max. Laser Power               | 1500W                  | 2000W                  | 3000W                  |
| Laser Working Medium           | Rare Earth Doped Fiber | Rare Earth Doped Fiber | Rare Earth Doped Fiber |
| Laser Wavelength               | 1070±10nm              | 1070±10nm              | 1070±10nm              |
| Number Of Optical Fiber Output | 1 Channel              | 1 Channel              | 1 Channel              |
| Welding Depth                  | 0.2~3MM                | 0.2~5MM                | 0.2~8MM                |
| Overall Power                  | 7KW                    | 8KW                    | 10KW                   |
| Power Input                    | 220V                   | 220V                   | 380V                   |
| Cooling Mode                   | Water Cooling          | Water Cooling          | Water Cooling          |
| Optical Fiber Interface Model  | QBH                    | QBH                    | QBH                    |
| Fiber Length                   | 10M                    | 10M                    | 10M                    |
| Fiber Diameter                 | 50um/100um             | 50um/100um             | 50um/100um             |

Above parameters are for reference only.

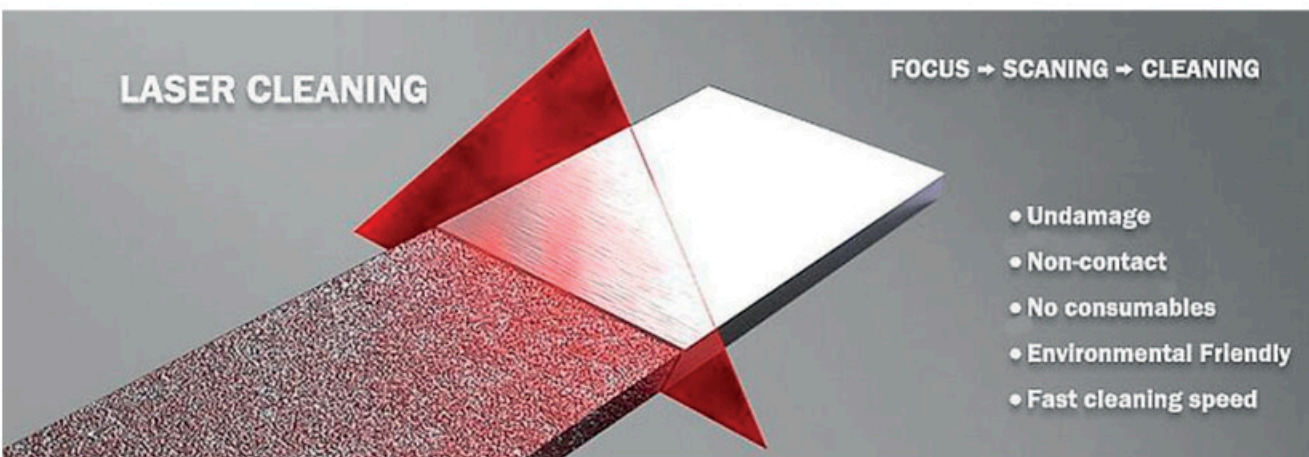


## HANDHELD LASER CLEANING MACHINE



| KC-M SERIES                    |                        |                        |                        |
|--------------------------------|------------------------|------------------------|------------------------|
| Max. Laser Power               | 1500W                  | 2000W                  | 3000W                  |
| Laser Working Medium           | Rare Earth Doped Fiber | Rare Earth Doped Fiber | Rare Earth Doped Fiber |
| Laser Wavelength               | 1070±10nm              | 1070±10nm              | 1070±10nm              |
| Number Of Optical Fiber Output | 1 Channel              | 1 Channel              | 1 Channel              |
| Cleaning Width                 | 300mm                  | 300mm                  | 300mm                  |
| Overall Power                  | 7KW                    | 8KW                    | 10KW                   |
| Power Input                    | 220V                   | 220V                   | 380V                   |
| Cooling Mode                   | Water Cooling          | Water Cooling          | Water Cooling          |
| Optical Fiber Interface Model  | QBH                    | QBH                    | QBH                    |
| Fiber Length                   | 10M                    | 10M                    | 10M                    |
| Fiber Diameter                 | 50um/100um             | 50um/100um             | 50um/100um             |

Above parameters are for reference only.



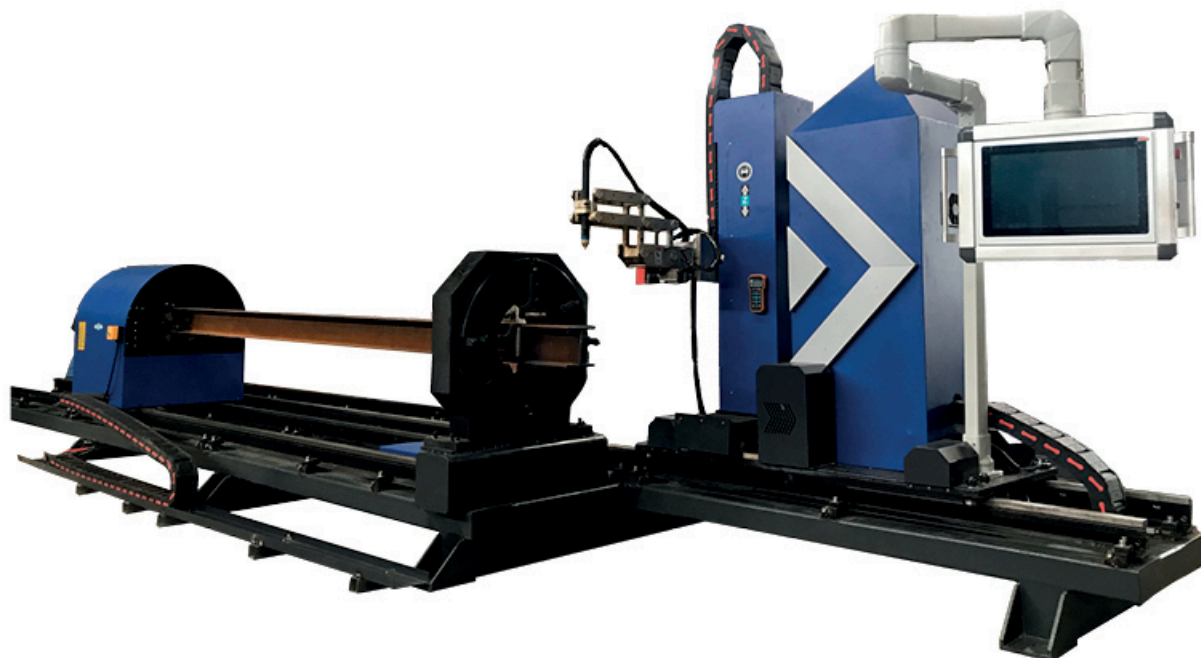
Above parameters are for reference only.



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## T400

### 8 AXIS PLASMA PIPE CUTTING MACHINE



| Model                 | T400                |
|-----------------------|---------------------|
| Max Cutting Length    | 6m/9m/12 m          |
| Min Cutting Length    | 0.5 m               |
| Max Cutting Diameter  | 600mm               |
| Min Cutting Diameter  | 30mm                |
| Reposition precision  | 0.02mm              |
| Processing precision  | 0.1mm               |
| Maximum cutting speed | 12000mm/min         |
| Control system        | KNOPPO              |
| Electrical Supplier   | 380V 50HZ / 3 Phase |

Above parameters are for reference only.

## T300

### 5 AXIS PLASMA PIPE CUTTING MACHINE



| Model                 | T300                |
|-----------------------|---------------------|
| Max Cutting Length    | 6m/9m/12m           |
| Min Cutting Length    | 0.4 m               |
| Max Cutting Diameter  | 500mm               |
| Min Cutting Diameter  | 30mm                |
| Reposition precision  | 0.02mm              |
| Processing precision  | 0.1mm               |
| Maximum cutting speed | 6000mm/min          |
| Control system        | KNOPPO              |
| Electrical Supplier   | 380V 50HZ / 3 Phase |

Above parameters are for reference only.

## Cutting Head: Raytools, Germany Precitec, WSX, BLT

STABLE, EFFICIENT AND SAFE CUTTING

Suitable for thick and thin plate cutting



◆ Raytools

◆ Precitec(Germany)

◆ WSX

◆ BLT



## Laser generator

### RAYCUS:

One of the first listed company with laser as its main business in China.

### IPG:

Imported from Germany. As the world leader in high power fiber lasers, IPG has stable performance.

### MAX:

MAX laser is one of the first listed fiber laser manufacturers established in China. It is also one of the first listed national high-tech enterprises to realize independent intellectual property rights and vertical integration in two core technologies of fiber laser and optical devices.



Raycus



IPG



MAX

## Control system

### FSCUT Series Cutting Control System

#### Multi Functions:

Intelligent layout of cutting graphics.  
Support multi type graphics documnets.  
Automatic optimization generation of cutting sequence.  
Intelligent edge searching.

#### Smart Choice for 10000 + Users

As a fiber laser cutting control system with the highest market share in China, it has multiple features, such as stable, reliable, easy to deploy and debug, safe in production, multi functions and excellent in performance.

