

PROFESSIONAL LASER  
EQUIPMENT MANUFACTURER

### 济南金威刻科技发展有限公司

总部地址：中国·山东济南市高新区银荷大厦 C-4/5 层

生产基地：中国·山东济南市孙村工业园  
中国·山东济南市临空工业园

电话：+86-531-88020976

传真：+86-531-88912386

Http: //www.wklaser.cn

E-mail: wkcutt@163.com

### GWEIKE TECH CO.,LTD

Head office address: Yinhe C Zone 4-5 Floor, Jinan, Shandong Province, China

Production base: Suncun Industrial Park, Jinan, Shandong Province, China

Linkong Industrial Park, Jinan, Shandong Province, China

TEL: +86-531-88020976

Http: //www.gwklaser.com

E-mail: wkcutt@163.com

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全国服务热线\* **400 8061 521**

售后服务热线\* **400 6586 086**

激光技术改变生活  
LASER TECHNOLOGY MAKES A BETTER LIFE



#### 企业愿景

Enterprise Vision

金牌品质，威刻智造，哪里有切割，哪里就有金威刻

Gold quality, made with wisdom by WEIKE. Where there is cutting, there is G·WEIKE

#### 核心价值观

Core Values

以客户为中心、质量至上、创新发展、真诚待人、团结合作、立即行动

Customer-centric, quality supreme, innovative development, sincerity with others, unity and cooperation, immediate action

#### 使命

Mission

激光技术改变生活

Laser technology makes a better life

CERTIFICATE  
荣誉证书

金威刻激光致力于激光行业 16 年的研发与积累，  
获得产品和技术授权专利 100 多项。  
2019 年上半年新申请专利 30 多项。  
产品获得欧洲联合 CE 认证，  
美国 FDA 认证，通过了 ISO9001 认证，  
拥有多项科研成果。

G.WEIKE Laser devotes to the research, development and  
accumulation of laser industry in the past 16 years.  
It got the award of more than 100 patents for products and technologies.  
Only in the first half of 2019, G.WEIKE applied for more than 30 patents.  
G.WEIKE machine has certificates of EU CE, US FDA and ISO9001.  
G.WEIKE also owned its achievements in the laser industry research.



济南金威刻科技发展有限公司作为北方领先激光应用智能装备研发制造商之一，一直引领激光装备的革新升级，致力于全球化激光智能优质服务。

自2004年成立以来，金威刻激光始终秉持“技术立企、质量至上”的经营理念，以客户为中心，认真对待研发生产的每一个细节，确保每一台设备的性能和品质，在全球100多个国家和地区稳定运行。

金威刻激光购置银荷大厦作为公司总部，先后在济南市智能装备城和临空经济开发区购地建厂，布局激光智能装备产业链，为客户提供稳定、高效的智能装备体验和服务。

工业4.0时代，金威刻激光致力于为未来工业生产提供基础装备和个性化智能解决方案，帮助企业提升生产力，助力中国智造，让世界骄傲。

As the largest manufacturer of laser application and intelligent equipment development in northern China, Jinan G-WEIKE TECH Co., Ltd is the leading brand in innovation and upgrades of laser equipment and it aims to provide high quality service in the global laser intelligence.

Since 2004, G-WEIKE has always adhered to the principle of "Technology as the Foundation, Quality First". With customer-centric idea as its basis, it takes every detail seriously in the process of production to ensure high performance and quality of each equipment as well as the stable operation in more than 100 nations around the world.

G-WEIKE purchased Yinhe Mansion as its corporate headquarters. It has built plants successively in the area of Intelligent equipment city and Linkong economic development zone in Jinan, which provides an excellent basis for arranging laser equipment industry chain for the ultimate purpose of offering stable and effective service of intelligent equipment.

In the era of Industry 4.0, G-WEIKE Laser is striving to provide basic equipment and customized solution for the future industrial production, also to help enterprises increase productivity, thus making contributions to "Made with Wisdom" and making it the envy of the world.

PHOTOGRAPHS OF FACTORY  
企业实景图

光纤切割机生产车间  
Fiber Laser Cutting Machine Factory

龙门铣车间  
Gantry Milling Working Factory



PROFESSIONAL ELITE TEAM  
核心 / 精英团队

- A 研发生产团队  
R&D And Production Department
- B 销售精英  
Sales Team
- C 银荷大厦总部  
Yinhe Building Headquarters
- D 接待中心  
Reception Center
- E 机器展厅  
Machine Show Room
- F 培训中心  
Training Center
- G 海外营销中心  
Overseas Marketing Center
- H 国内营销中心  
Domestic Marketing Center



A



B



C



D



D2



E



F



G

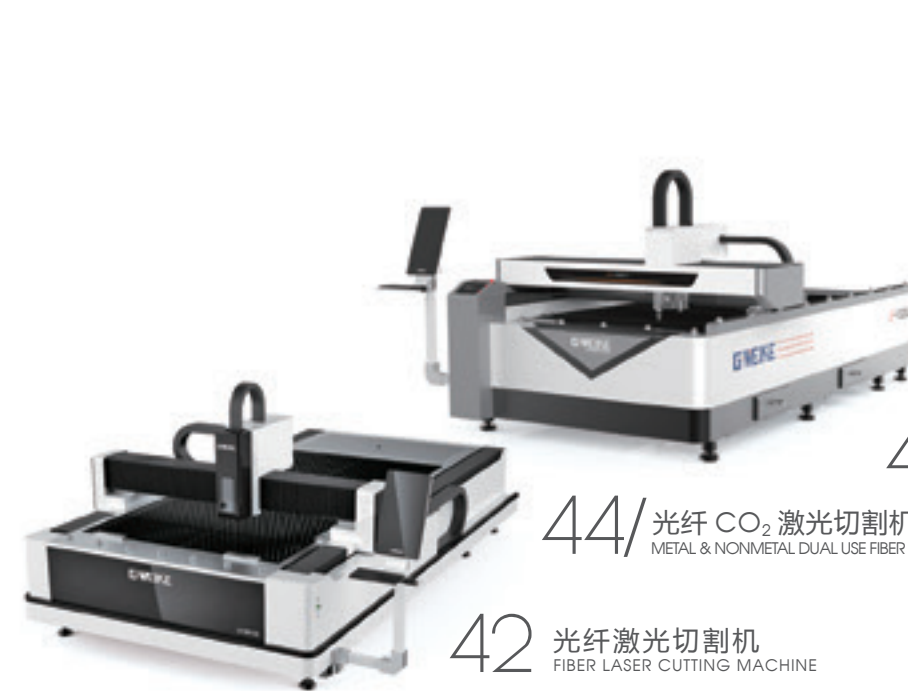


H

WORLDWIDE MARKETS  
全球巡礼



专注激光切割 16 年，服务全球 150 个国家  
16-YEAR PROFESSIONAL IN LASER CUTTING, SERVICE FOR 150 COUNTRIES WORLDWIDE



44/ 光纤 CO<sub>2</sub> 激光切割机  
METAL & NONMETAL DUAL USE FIBER LASER CUTTING MACHINE



46/ 三维光纤激光切割机器人  
3D FIBER LASER CUTTING ROBOT

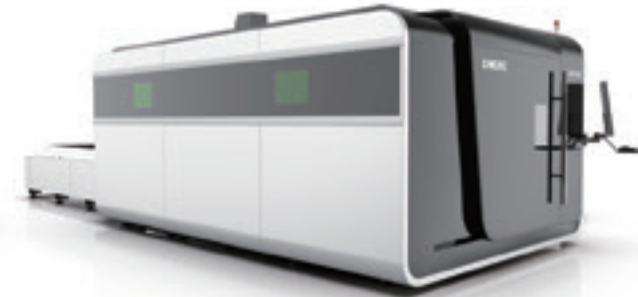


48/ 三维 / 手持式焊机  
3D/HAND HELD LASER WELDING MACHINE

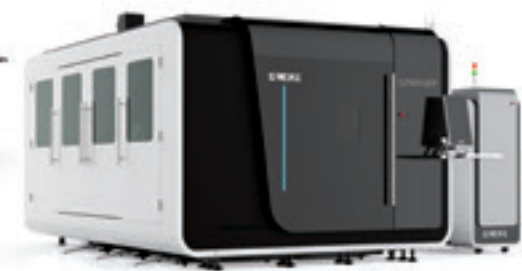
49/ 激光清洗机  
LASER CLEANING MACHINE



高功率大包围交换台光纤激光切割机  
HIGH POWER WHOLE COVER EXCHANGE PLATFORM FIBER LASER CUTTING MACHINE /12



大包围交换平台光纤激光切割机 /14  
WHOLE COVER EXCHANGE PLATFORM FIBER LASER CUTTING MACHINE



包围式光纤激光切割机 /16  
ALL COVER FIBER LASER CUTTING MACHINE



大包围交换平台光纤激光切割机 /18  
WHOLE COVER EXCHANGE PLATFORM FIBER LASER CUTTING MACHINE



大包围交换台板管一体光纤激光切割机 /20  
PIPE & PLATE WHOLE COVER EXCHANGE PLATFORM FIBER LASER CUTTING MACHINE



交换平台激光切割机 /22  
EXCHANGE PLATFORM FIBER LASER CUTTING MACHINE



交换平台板管一体激光切割机 /24  
PIPE & PLATE EXCHANGE PLATFORM FIBER LASER CUTTING MACHINE

板管一体光纤激光切割机 /26  
PIPE & PLATE DUAL-USE FIBER LASER CUTTING MACHINE



高速光纤激光切割机 /28  
HIGH SPEED FIBER LASER CUTTING MACHINE



齿条双驱光纤激光切割机 /30  
DUAL DRIVER GEAR RACK FIBER LASER CUTTING MACHINE



31/ 齿条双驱光纤激光切割机 DUAL DRIVER GEAR RACK FIBER LASER CUTTING MACHINE



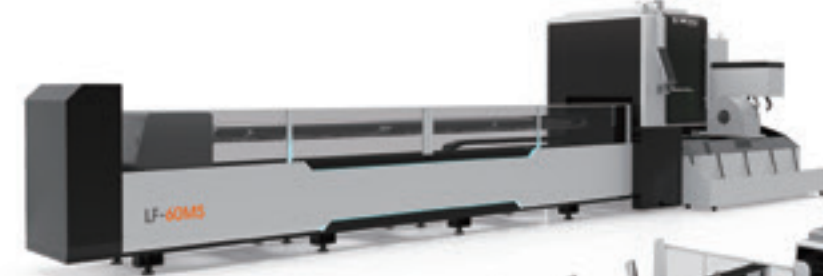
32/ 板管一体光纤激光切割机 PIPE & PLATE DUAL-USE FIBER LASER CUTTING MACHINE



34/ 自动管材上下料光纤激光切管机 AUTO LOADING AND UNLOADING FIBER LASER TUBE CUTTING MACHINE



36/ 三卡盘零尾料激光切管机 THREE CHUCKS ZERO REMAINS FIBER LASER METAL CUTTING MACHINE



38/ 自动管材激光切管机 AUTOMATIC FIBER LASER METAL TUBE CUTTING MACHINE



40/ 精密光纤激光切割机 PRECISION FIBER LASER CUTTING MACHINE



42/ 光纤激光切割机 FIBER LASER CUTTING MACHINE





**极速穿孔**  
Rapid Perforation

极速穿孔，适用于薄板、厚板多孔批量加工；  
稳定穿孔，高效作业，极高操作，省时省力。

Rapid perforation, suitable for different thickness sheet metal porous batch processing  
Stable perforation, efficient cutting work, easy operation, saving time and labor cost

机器型号 Machine model	LF4020GH/6025GH
激光功率 Laser power	3000W 4000W 6000W 8000W 10000W 12000W 15000W 20000W(可选 Optional)
外观尺寸 Dimensions	8850*2850*2310mm 10800*3350*2310 15475*3970*2575
工作幅面 Working area	4000mm×2000mm 6000mm×2500mm
重复定位精度 Repeated positioning accuracy	±0.02mm
最大运行速度 Max. running speed	190m/min
最大加速度 Max. acceleration	2.5G
电源额定电压及频率 Specified voltage and frequency	380V 50Hz/60Hz



Z型超重形焊接床身  
Type Z Overweight Welding Bed



航空铝横梁  
Aviation Aluminum Gantry

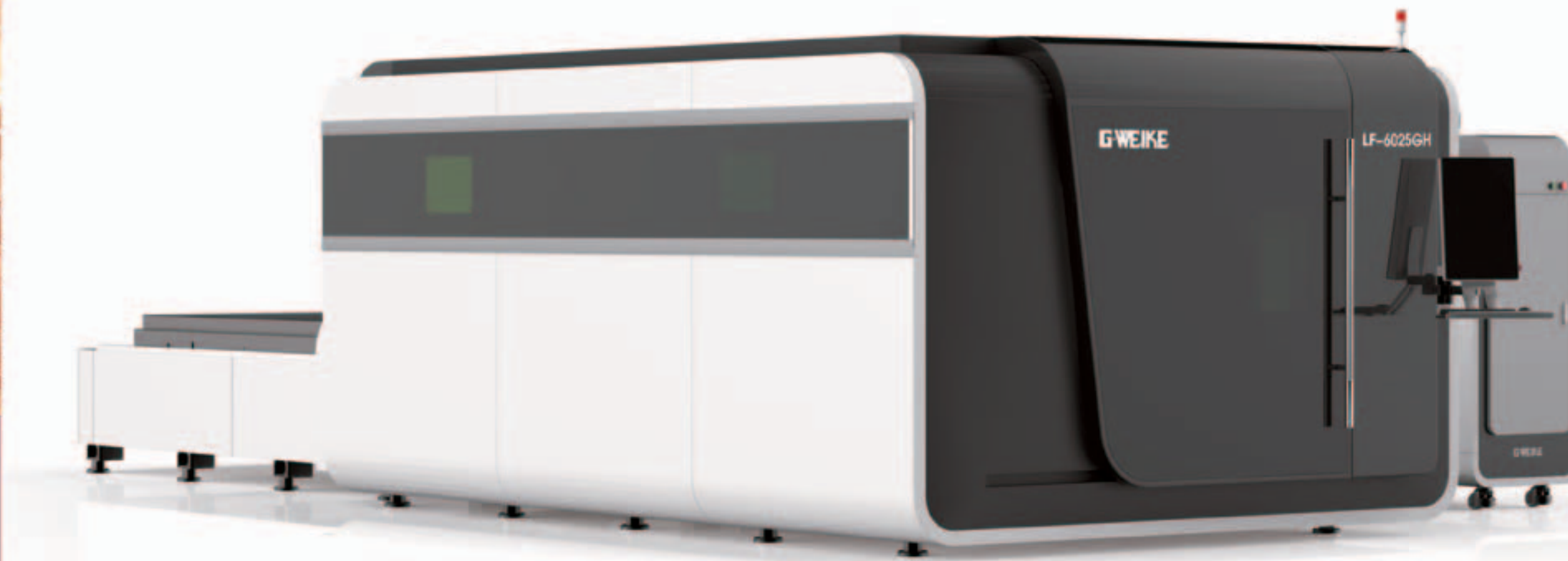


德国普雷茨特切割头  
German Precitec Laser Head



德国亚特兰大齿轮齿条  
German Allartia Gear Rack

**GH**系列  
HIGH POWER WHOLE COVER EXCHANGE PLATFORM FIBER LASER CUTTING MACHINE  
高功率大包围交换台光纤激光切割机



## 航空铝横梁 Aviation Aluminum Gantry

采用航天标准航空铝, 经4300吨压力机挤压成型, 硬度可达T6, 时效处理后可极大消除加工时应力, 重量轻、耐腐蚀、强度高, 保证设备的高加速启停。

It is manufactured with aerospace standards and formed by 4300 tons press extrusion molding. After aging treatment, its strength can reach 6061 T6 which is the strongest strength of all gantries. Aviation aluminum has many advantages, such as good toughness, light weight, corrosion resistance, anti-oxidation, low density, and greatly increase the processing speed.

机器型号 Machine model	LF3015GA/4020GA/6020GA
激光功率 Laser power	3000W 4000W 6000W 8000W 10000W 12000W15000W 20000W( 可选 Optional)
外观尺寸 Dimensions	8850*2850*2310mm 10800*3350*2310 14740*3350*2310
工作幅面 Working area	3000mm×1500mm 4000mm×2000mm 6000mm×2000mm
重复定位精度 Repeated positioning accuracy	±0.02mm
最大运行速度 Max. running speed	120m/min
最大加速度 Max. acceleration	1.5G
电源额定电压及频率 Specified voltage and frequency	380V 50Hz/60Hz



重型板焊床身  
Heavy Plate Welding Bed



欧盟 CE 标准防护玻璃  
CE Standard Protective Glass



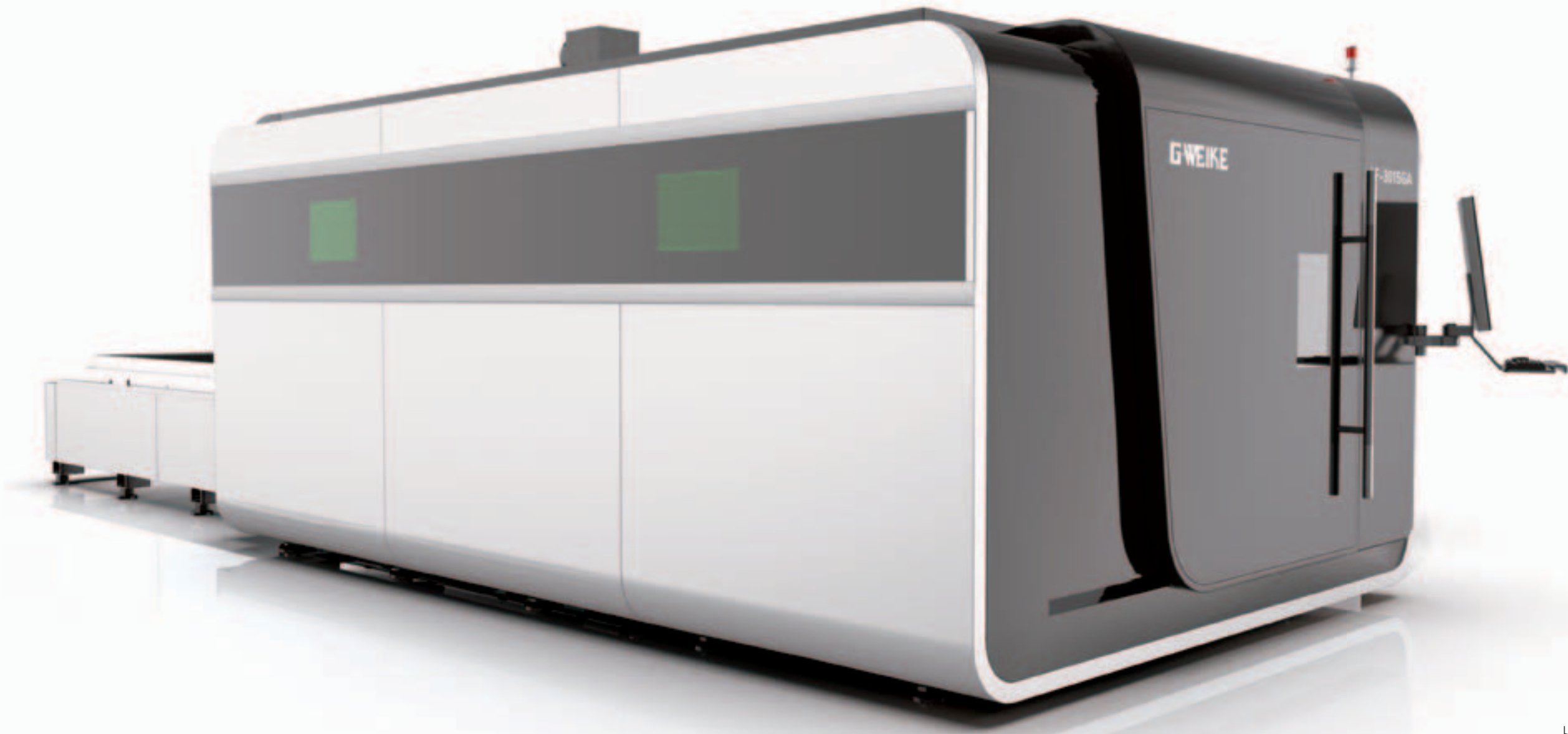
德国普雷茨特切割头  
German Precitec Laser Head

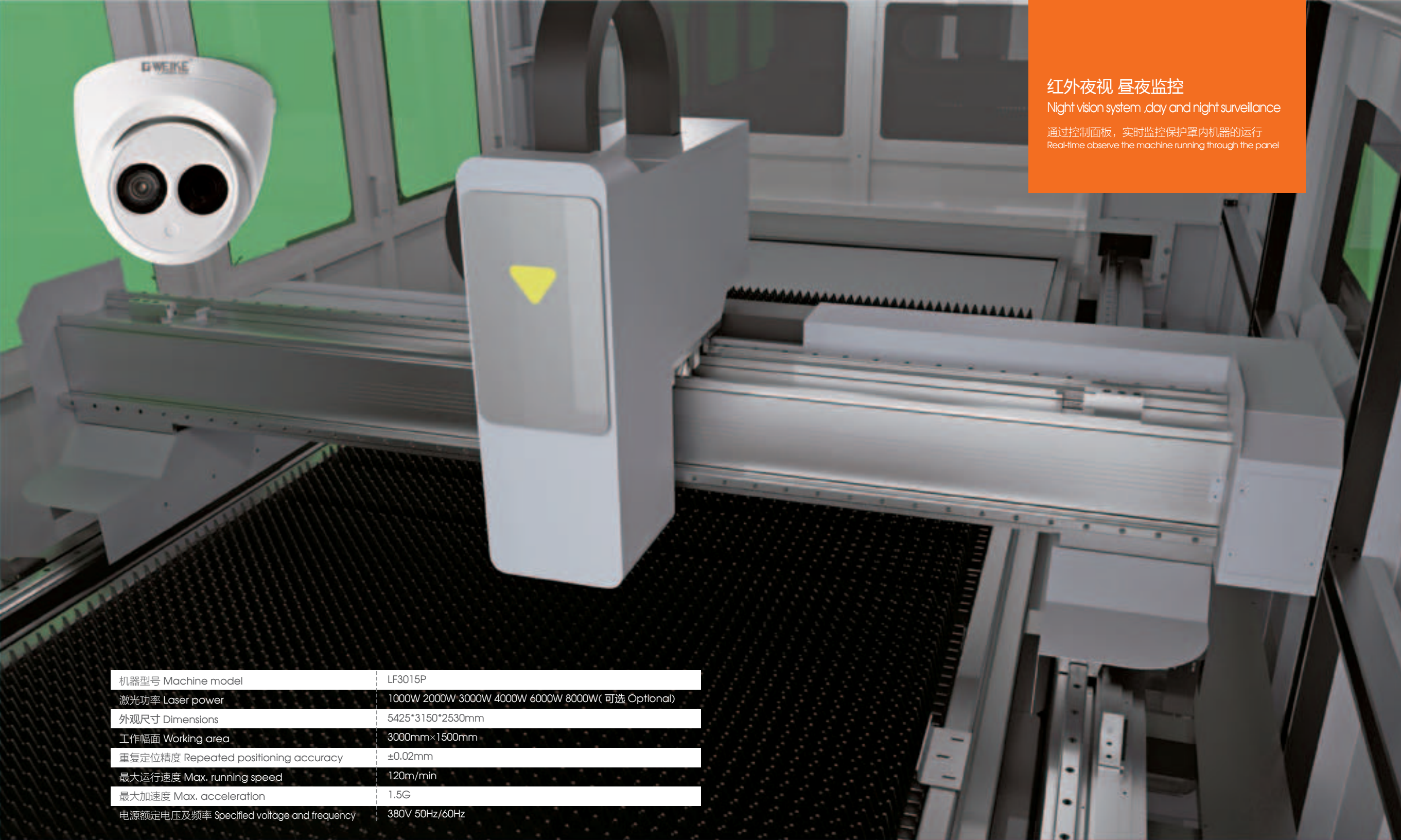


德国亚特兰大齿轮齿条  
German Allartia Gear Rack



WHOLE COVER EXCHANGE PLATFORM FIBER LASER CUTTING MACHINE  
大包围交换平台光纤激光切割机





红外夜视 昼夜监控  
Night vision system ,day and night surveillance  
通过控制面板，实时监控保护罩内机器的运行  
Real-time observe the machine running through the panel

机器型号 Machine model	LF3015P
激光功率 Laser power	1000W 2000W 3000W 4000W 6000W 8000W( 可选 Optional)
外观尺寸 Dimensions	5425*3150*2530mm
工作幅面 Working area	3000mm×1500mm
重复定位精度 Repeated positioning accuracy	±0.02mm
最大运行速度 Max. running speed	120m/min
最大加速度 Max. acceleration	1.5G
电源额定电压及频率 Specified voltage and frequency	380V 50Hz/60Hz



重型板焊床身  
Heavy Plate Welding Bed



航空铝横梁  
Aviation Aluminum Gantry



欧盟 CE 标准防护玻璃  
CE Standard Protective Glass



德国亚特兰大齿轮齿条  
German Atlanta Gear Rack

P系列  
ALL COVER FIBER LASER CUTTING MACHINE  
包围式光纤激光切割机



### 分段式矩形焊接床身 The Segmented Rectangular Welded Bed

采用分段式蜂窝结构，由多段矩形焊接而成，内设加强筋，经高温去应力退火和磨铁处理，保证床身强度和安装精度，正常使用 20 年不变形。

The internal structure of the bed adopts the aircraft metal honeycomb structure, which is welded by a number of rectangular. Stiffeners are arranged inside the to increase the strength and tensile strength of the bed, it also increases the resistance and stability of the guide rail so as to effectively avoid the deformation of the bed.

机器型号 Machine model	LF6020G/LF6025G
激光功率 Laser power	3000W 4000W 6000W 8000W 10000W 12000W 15000W(可选 Optional)
外观尺寸 Dimensions	14085*3345*2130mm 14600*3845*2350mm
工作幅面 Working area	6000mm x 2000mm 6000mm x 2500mm
重复定位精度 Repeated positioning accuracy	±0.02mm
最大运行速度 Max. running speed	120m/min
最大加速度 Max. acceleration	1.5G
电源额定电压及频率 Specified voltage and frequency	380V 50Hz/60Hz



航空铝横梁  
Aviation Aluminum Gantry



欧盟 CE 标准防护玻璃  
CE Standard Protective Glass



快速交换台  
Exchange Platform

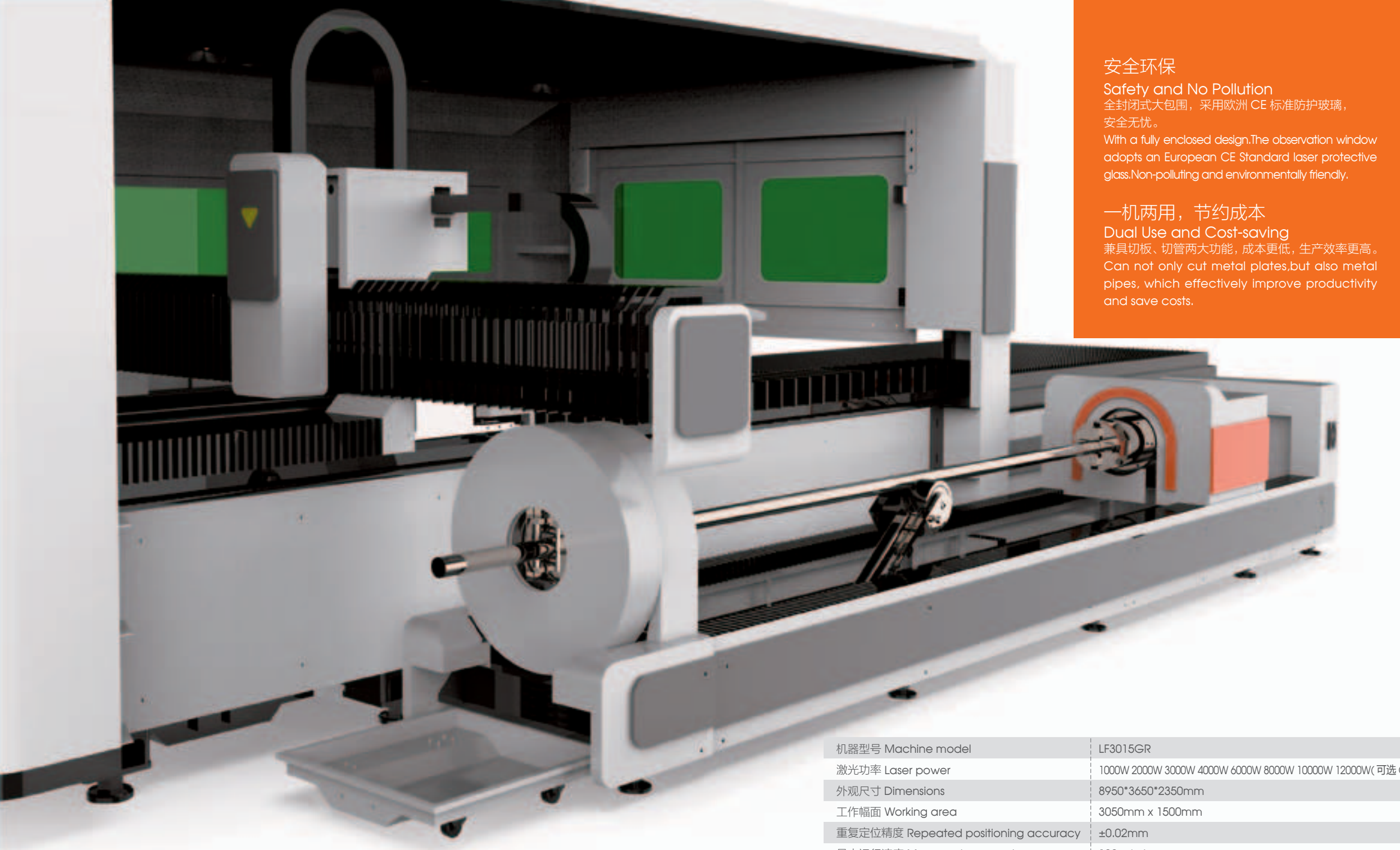


德国纽卡特减速机  
German Neugart Reducer



WHOLE COVER EXCHANGE PLATFORM FIBER LASER CUTTING MACHINE  
大包围交换平台光纤激光切割机





**安全环保**  
**Safety and No Pollution**  
 全封闭式大包围，采用欧洲 CE 标准防护玻璃，安全无忧。  
 With a fully enclosed design, The observation window adopts an European CE Standard laser protective glass, Non-polluting and environmentally friendly.

**一机两用，节约成本**  
**Dual Use and Cost-saving**  
 兼具切板、切管两大功能，成本更低，生产效率更高。  
 Can not only cut metal plates, but also metal pipes, which effectively improve productivity and save costs.

机器型号 Machine model	LF3015GR
激光功率 Laser power	1000W 2000W 3000W 4000W 6000W 8000W 10000W 12000W( 可选 Optional)
外观尺寸 Dimensions	8950*3650*2350mm
工作幅面 Working area	3050mm x 1500mm
重复定位精度 Repeated positioning accuracy	±0.02mm
最大运行速度 Max. running speed	120m/min
最大加速度 Max. acceleration	1.5G
电源额定电压及频率 Specified voltage and frequency	380V 50Hz/60Hz



气动卡盘夹持设计  
Pneumatic Chuck Clamping Design



自动支撑  
Fractional Automatic Support Installation



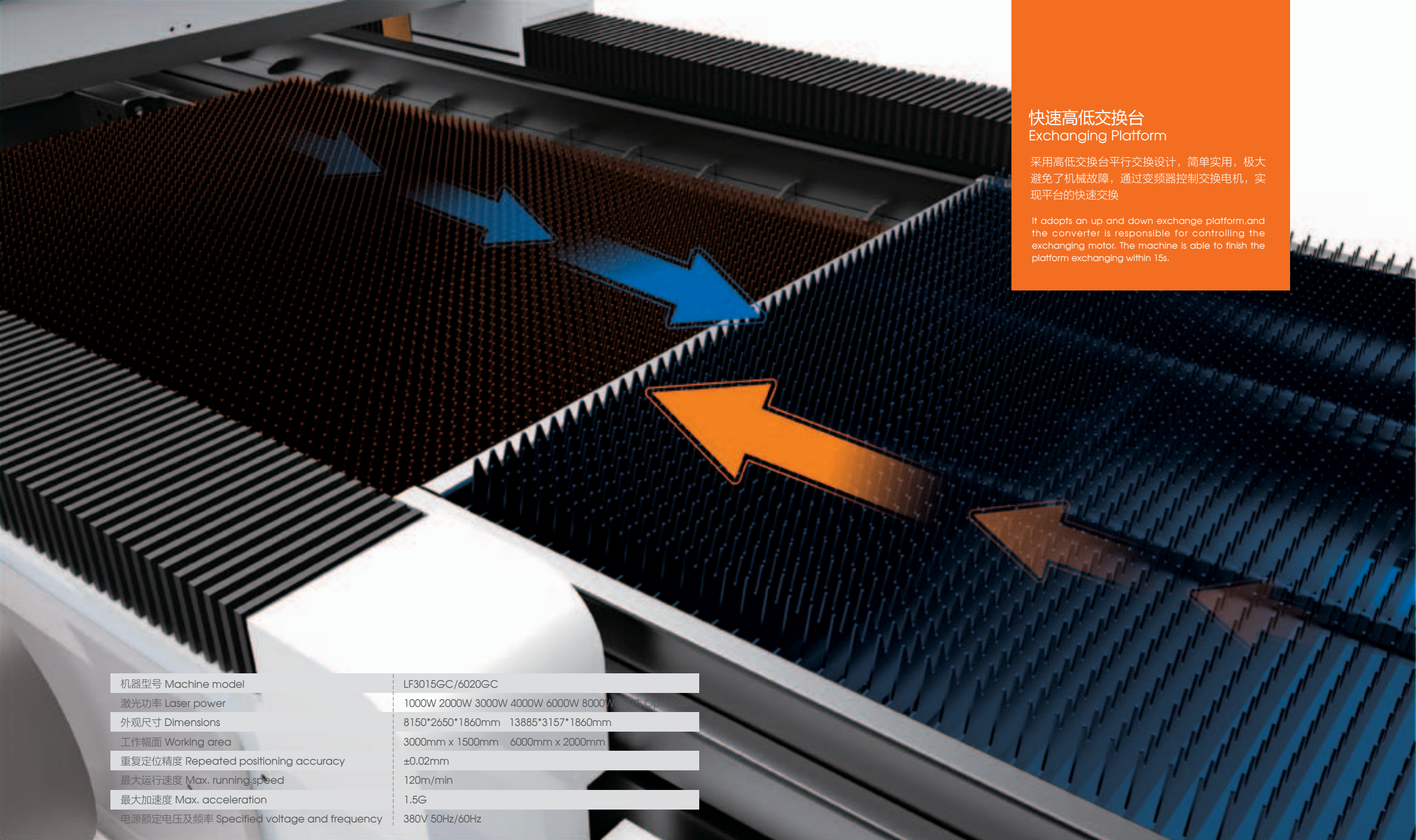
航空铝横梁  
Aviation Aluminum Gantry



重型板焊床身  
Heavy Plate Welding Bed



PIPE & PLATE WHOLE COVER EXCHANGE PLATFORM FIBER LASER CUTTING MACHINE  
 大包围交换台板管一体光纤激光切割机



### 快速高低交换台 Exchanging Platform

采用高低交换台平行交换设计，简单实用，极大避免了机械故障，通过变频器控制交换电机，实现平台的快速交换

It adopts an up and down exchange platform, and the converter is responsible for controlling the exchanging motor. The machine is able to finish the platform exchanging within 15s.

机器型号 Machine model	LF3015GC/6020GC
激光功率 Laser power	1000W 2000W 3000W 4000W 6000W 8000W
外观尺寸 Dimensions	8150*2650*1860mm 13885*3157*1860mm
工作幅面 Working area	3000mm x 1500mm 6000mm x 2000mm
重复定位精度 Repeated positioning accuracy	±0.02mm
最大运行速度 Max. running speed	120m/min
最大加速度 Max. acceleration	1.5G
电源额定电压及频率 Specified voltage and frequency	380V 50Hz/60Hz



航空铝横梁  
Aviation Aluminum Gantry



重型板焊床身  
Heavy Plate Welding Bed



日本新宝减速机  
Japan Shimpo Motor Reducer



日本安川伺服电机  
Japan Yaskawa Servo Motor

GC系列  
EXCHANGE PLATFORM FIBER LASER CUTTING MACHINE  
交换平台激光切割机



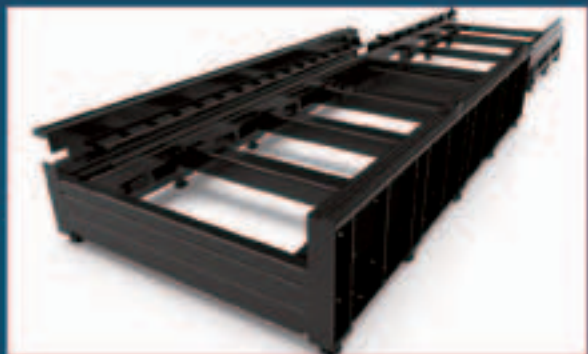
RayTools 切割头  
RayTools Laser Head

品质传承 极速穿孔  
自动调焦，调节精度高，稳定性强  
高效切割，不同厚度的材料瞬间变身  
High quality machine, rapid perforation  
Automatic focusing, more precise, more stable  
High efficiency cutting, fast to cut different thickness metal.

机器型号 Machine model	LF3015GCR
激光功率 Laser power	1500W 2000W 3000W 4000W 6000W 8000W(可选 Optional)
外观尺寸 Dimensions	8950*3550*1860mm
工作幅面 Working area	3000mm x 1500mm
重复定位精度 Repeated positioning accuracy	±0.02mm
最大运行速度 Max. running speed	120m/min
最大加速度 Max. acceleration	1.5G
电源额定电压及频率 Specified voltage and frequency	380V 50Hz/60Hz



航空铝横梁  
Aviation Aluminum Gantry



重型板焊床身  
Heavy Plate Welding Bed



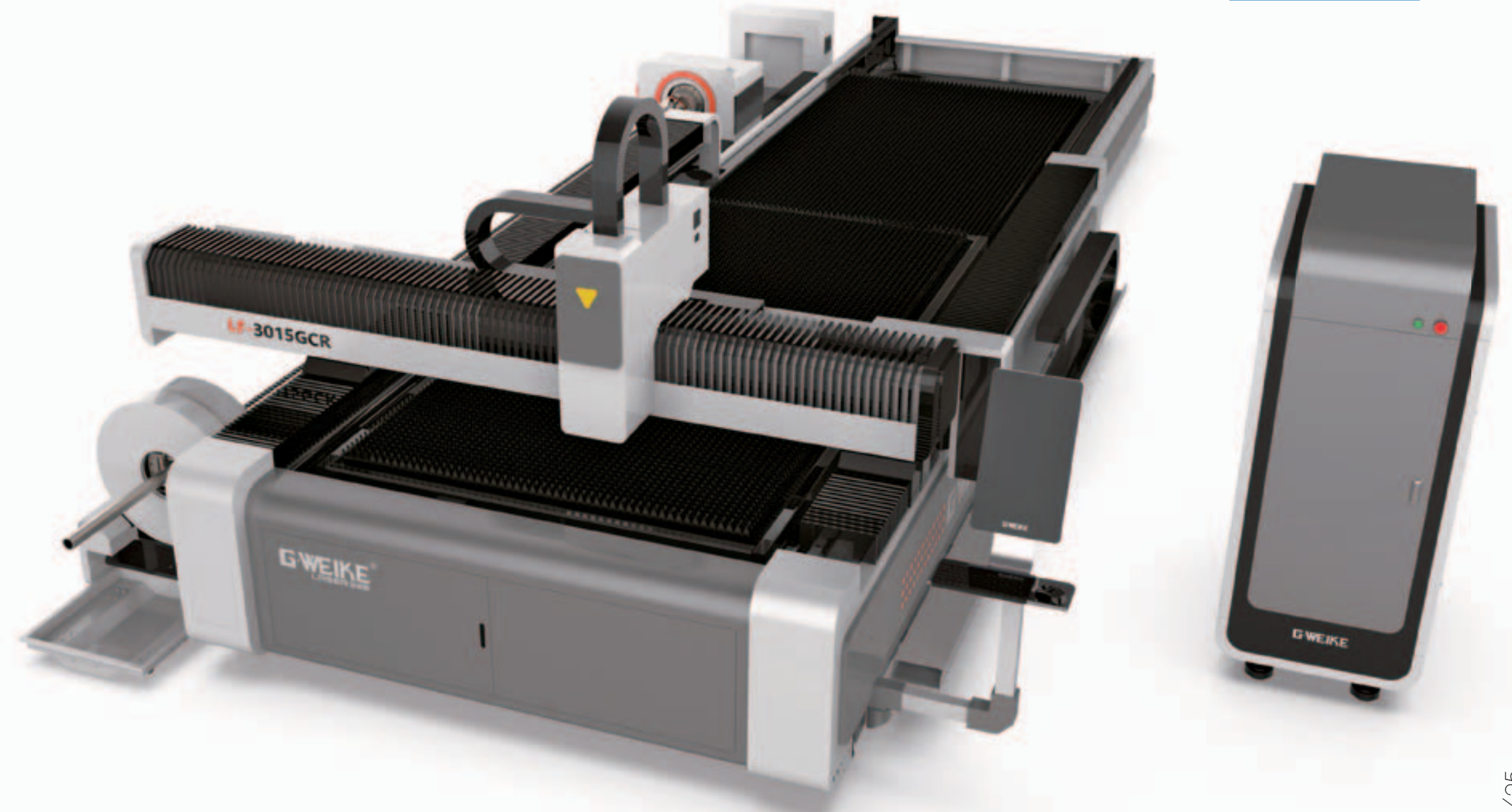
气动卡盘夹持设计  
Pneumatic Chuck Clamping Design



自动支撑  
Fractional Automatic Support Installation

GCR 系列

PIPE & PLATE EXCHANGE PLATFORM FIBER LASER CUTTING MACHINE  
交换平台板管一体激光切割机

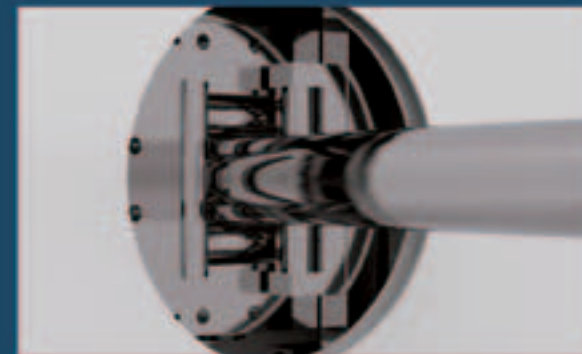


**全新气动卡盘**  
New Pneumatic Chuck

自动夹持，高效省力，强大支撑力，  
夹装不变形，保障管材、板材加工精度。

Automatic clamping, efficient and labor-saving,  
strong support force, clamping deformation,  
to ensure the accuracy of pipe processing.

机器型号 Machine model	LF3015CNR
激光功率 Laser power	1000W 2000W 3000W 4000W 6000W 8000W( 可选 Optional)
外观尺寸 Dimensions	5315*3930*1950mm(3m) 8300*3930*1950mm(6m)
工作幅面 Working area	3000mm x 1500mm
重复定位精度 Repeated positioning accuracy	±0.02mm
最大运行速度 Max. running speed	120m/min
最大加速度 Max. acceleration	1.5G
电源额定电压及频率 Specified voltage and frequency	380V 50Hz/60Hz



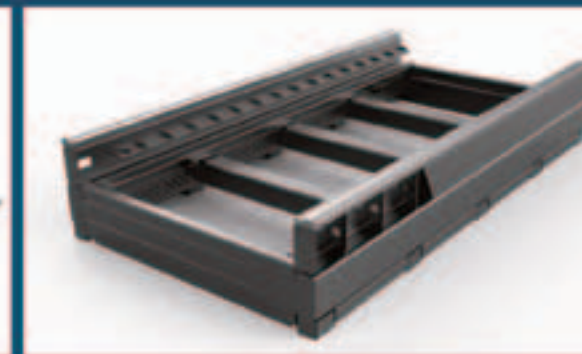
气动卡盘夹持设计  
Pneumatic Chuck Clamping Design



自动支撑  
Fractional Automatic Support Installation



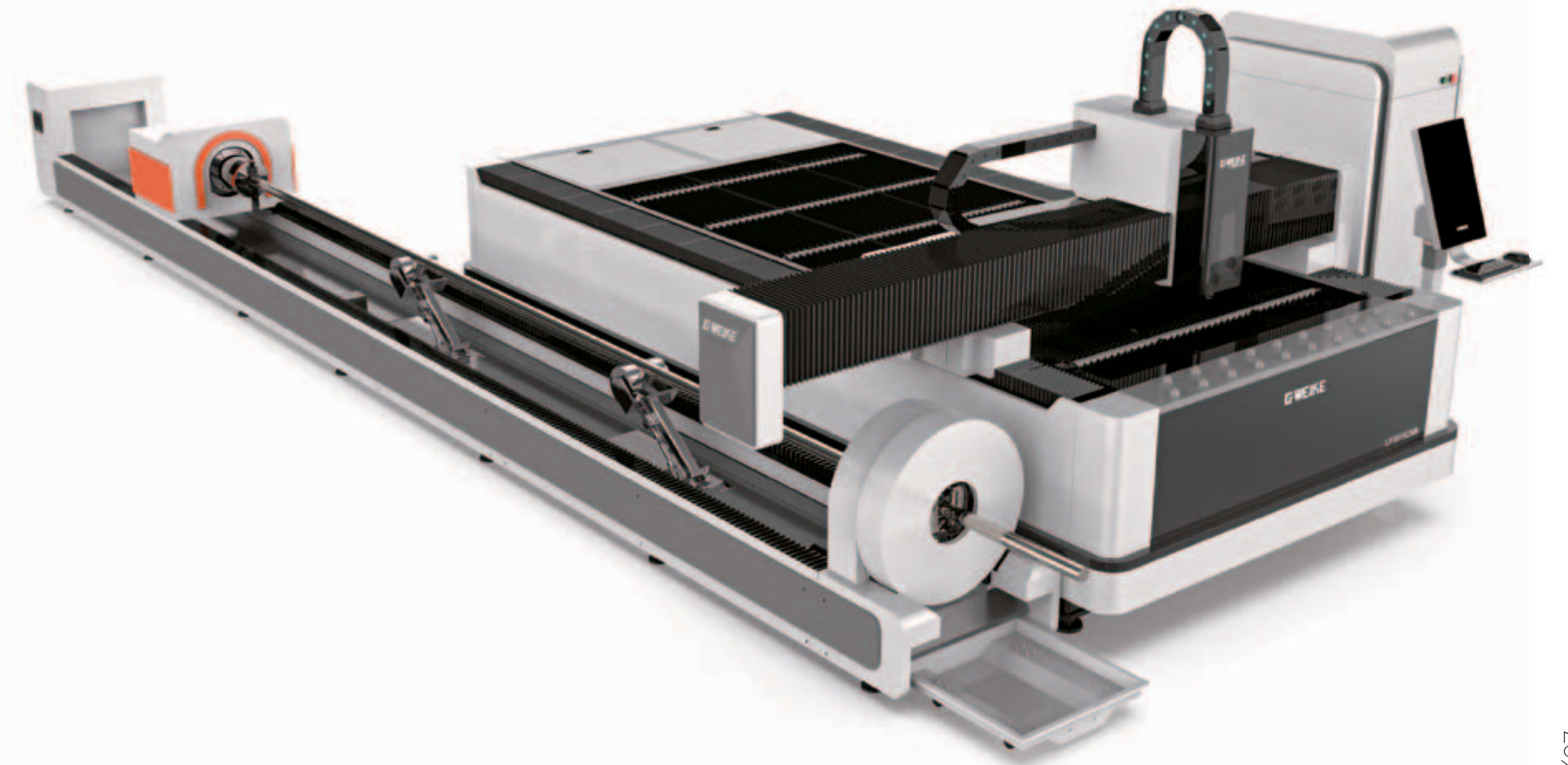
航空铝横梁  
Aviation Aluminum Gantry



分段式矩形管焊接床身  
The Segmented Rectangular Tube Welded Bed

**CNR** 系列

PIPE & PLATE DUAL-USE FIBER LASER CUTTING MACHINE  
板管一体光纤激光切割机





**CN**系列  
HIGH SPEED FIBER LASER CUTTING MACHINE  
高速光纤激光切割机



**适用材料 Application materials**

可切割多种金属板材，主要适用于不锈钢、碳钢、镀锌板、电解板、黄铜板、铝板、锰钢、各种合金板、稀有金属等材质的专业快速切割。  
Used for cutting a variety of metal plates, mainly used in stainless steel, carbon steel, galvanized sheet, electrolytic plate, brass, aluminum, steel, various alloy plate, rare metal and other materials.

**性能技术参数 Technical parameters**

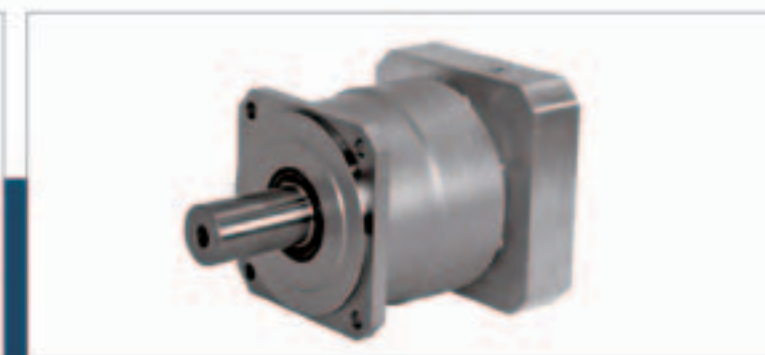
机器型号 Machine model	LF3015CN
激光功率 Laser power	1000W 2000W 3000W 4000W( 选配 Optional)
外观尺寸 Dimension	4440* 2500*1860mm
工作幅面 Working area	3000mmx1500mm
重复定位精度 Repeated positioning accuracy	±0.02mm
最大运行速度 Max. running speed	120m/min
最大加速度 Max. acceleration	1.5G
传动方式 Transmission	双驱动条传动 Double driver rack gear



航空铝横梁  
Aviation Aluminum Gantry



日本安川伺服电机  
Japan Yaskawa Servo Motor



日本新宝减速机  
Japan Shippo Motor Reducer

LN系列

DUAL DRIVER GEAR RACK FIBER LASER CUTTING MACHINE  
齿条双驱光纤激光切割机

### 性能技术参数 Technical parameters

机器型号 Machine model	LF3015LN
激光功率 Laser power	1000W 1500W 2000W(选配 optional)
外观尺寸 Dimensions	4440*2500*1860mm
工作幅面 Working area	3000mmx1500mm
重复定位精度 Repeated positioning accuracy	±0.02mm
最大运行速度 Max. running speed	80m/min
最大加速度 Max. acceleration	1G
电源额定电压及频率 Specified voltage and frequency	380V 50Hz/60Hz/60A

### 适用材料 Application materials

可切割多种金属板材，主要适用于不锈钢、碳钢、镀锌板、电解板、黄铜板、铝板、锰钢、各种合金板、稀有金属等材质的专业快速切割

Used for cutting a variety of metal plates, mainly used in stainless steel, carbon steel, galvanized sheet, electrolytic plate, brass, aluminum, steel, various alloy plate, rare metal and other metal materials



### 性能技术参数 Technical parameters

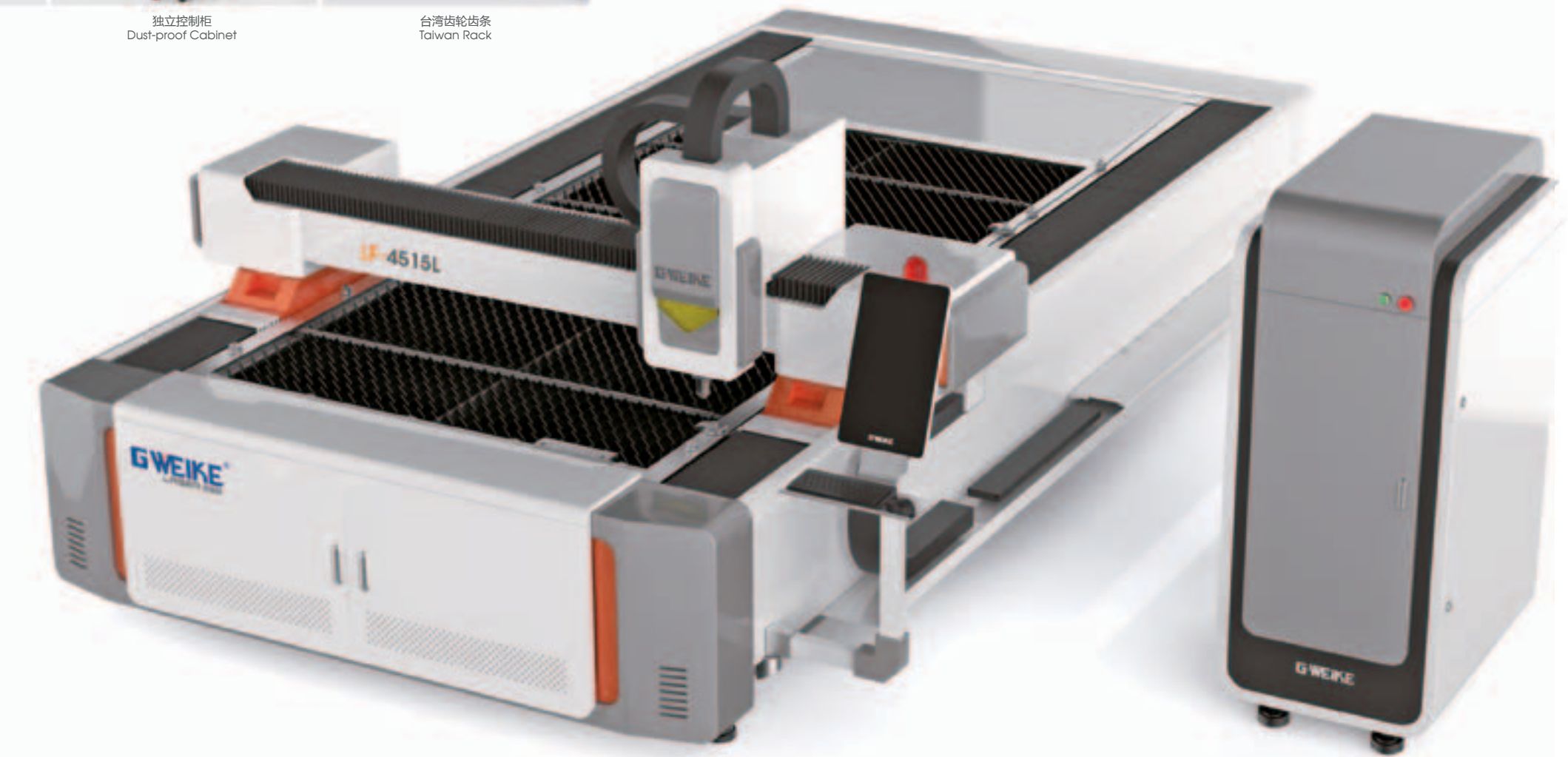
机器型号 Machine model	LF4515L
激光功率 Laser power	1000W 1500W 2000W(选配 optional)
外观尺寸 Dimensions	6240*2535*1860mm
工作幅面 Working area	4500mmx1500mm
重复定位精度 Repeated positioning accuracy	±0.02mm
最大运行速度 Max. running speed	80m/min
最大加速度 Max. acceleration	1G
传动方式 Transmission	双驱齿条传动 Double driver rack gear
电源额定电压及频率 Specified voltage and frequency	380V 50Hz/60Hz/60A



航空铝横梁  
Aviation Aluminum Gantry

独立控制柜  
Dust-proof Cabinet

台湾齿条齿条  
Taiwan Rack



L系列

DUAL DRIVER GEAR RACK FIBER LASER CUTTING MACHINE  
齿条双驱光纤激光切割机

## 适用材料 Application materials

管材 —— 专业切割方管、圆管、矩形管、椭圆管、D型管和六边形管等各类型管材，方管口 20\*20-145\*145，圆管 Φ15-210mm，管壁厚 0.5mm 及以上碳钢管、不锈钢管、镀锌管、铝管等各种材质管材。

Pipes——Professionally cutting square pipes, round pipes, rectangle pipes, D-shaped pipes and hexagon pipes and etc. Cutting capacity-square pipes: 20\*20-145\*145, round pipes: Φ15-210mm, more than 0.5mm thickness carbon steel pipes, stainless steel pipes, galvanized steel pipes and other steel material pipes

板材 —— 专业切割 0.5mm 及以上碳钢，不锈钢，黄铜，紫铜，铝合金、镀锌板等及各种稀有金属材料。（切割厚度以及材料与激光器有关）

Plates——Professional to cutting more than 0.5mm carbon steel, stainless steel, brass, copper, galvanized steel, electrolytic steel, silicon steel and etc. (thicknesses are related to the kinds of materials and fiber source power)

机器型号 Machine model	LF3015LNR
激光功率 Laser power	1000W/2000W/3000W(可选 Optional)
外观尺寸 Dimensions	5315*3930*1950mm/ 8300*3930*1950mm
工作幅面 Working area	3000mm x 1500mm
重复定位精度 Repeated positioning accuracy	±0.02mm
最大运行速度 Max. running speed	80m/min
最大加速度 Max. acceleration	1G
电源额定电压及频率 Specified voltage and frequency	380V 50Hz/60Hz



气动卡盘夹持设计  
Pneumatic Chuck Clamping Design



自动支撑  
Fractional Automatic Support Installation

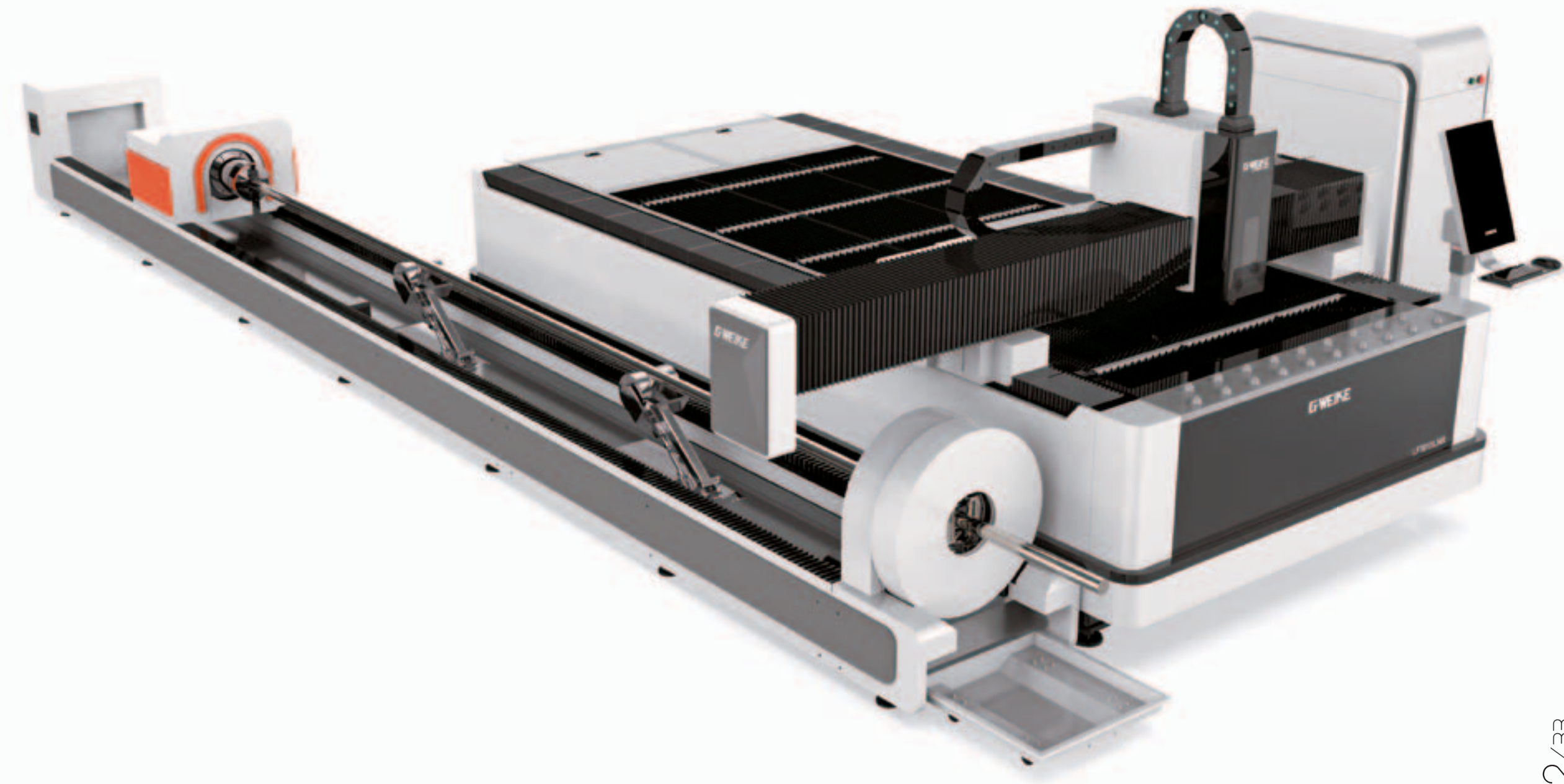


航空铝横梁  
Aviation Aluminum Gantry



分段式矩形管焊接床身  
The Segmented Rectangular Tube Welded Bed

**LNR**系列  
PIPE & PLATE DUAL-USE FIBER LASER CUTTING MACHINE  
板管一体光纤激光切割机



### 智能上下料 自动化作业

Automatically loading and unloading materials

整捆管材智能分料、上料，与切管机无缝对接。

成品自动下料，零件与废料分离，智能高效。

极简操作，解放双手，更是解放生产力。

Realize the intelligent material separation, feeding and seamless docking with the fiber laser cutting machine after the whole bundles of tubes are placed in the feeding device.

The finished product is automatically dropped to the storage bin, separate of finished product from remains intelligently.

Save labor, reduce sorting and improve efficiency.

MA系列

AUTO LOADING AND UNLOADING FIBER LASER TUBE CUTTING MACHINE

自动上下料管材激光切管机

机器型号 Machine model	LF60MA
激光功率 Laser power	1000W/2000W/3000W/4000W/6000W/8000W(可选 Optional)
外观尺寸 Dimensions	12695*5345*2627mm
加工范围 Machining range	夹持直径 Hold diameter: $\phi 15\text{mm}-\phi 300\text{mm}$
重复定位精度 Repeated positioning accuracy	$\pm 0.02\text{mm}$
电源额定电压及频率 Specified voltage and frequency	380V 50Hz/60Hz



气动夹持式卡盘  
Pneumatic Chuck Clamping Design



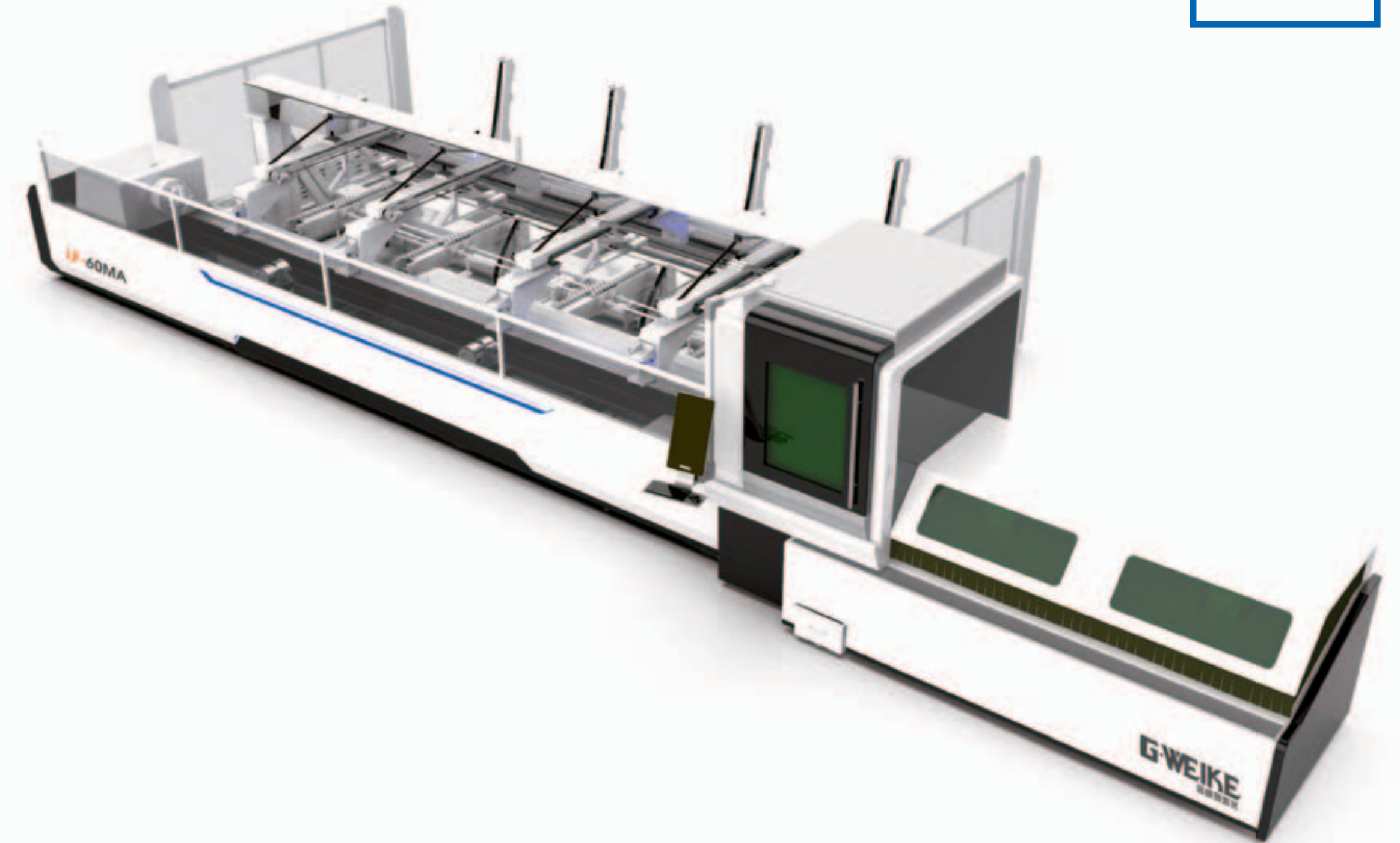
无线手柄控制  
Easy To Operate

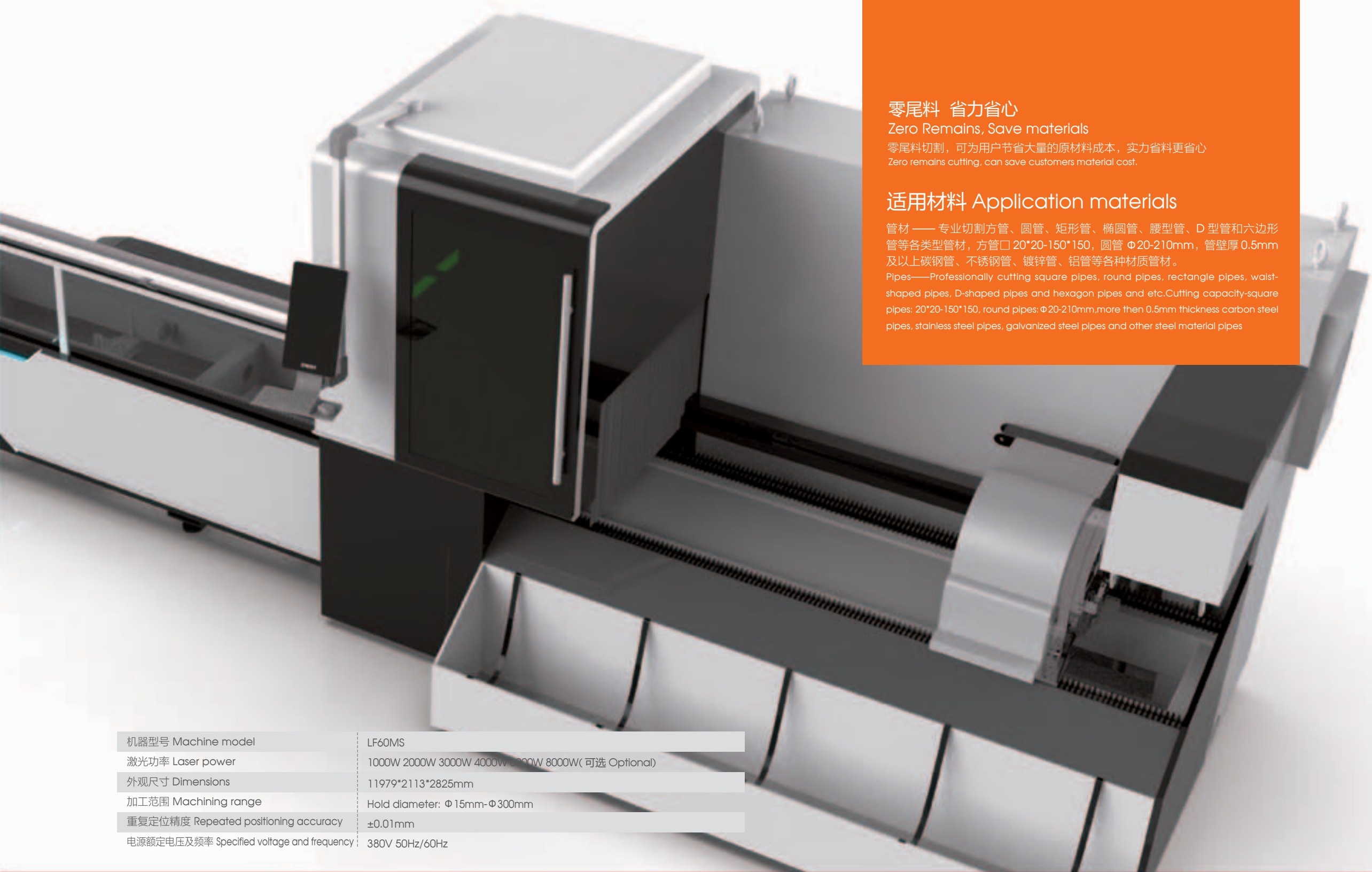


自动支撑  
Fractional Automatic Support Installation



方管 / 圆管样品  
The Samples Show





**零尾料 省力省心**  
 Zero Remains, Save materials  
 零尾料切割, 可为用户节省大量的原材料成本, 实力省料更省心  
 Zero remains cutting, can save customers material cost.

**适用材料 Application materials**  
 管材——专业切割方管、圆管、矩形管、椭圆管、腰型管、D型管和六边形管等各类型管材, 方管口 20\*20-150\*150, 圆管  $\Phi$ 20-210mm, 管壁厚 0.5mm 及以上碳钢管、不锈钢管、镀锌管、铝管等各种材质管材。  
 Pipes——Professionally cutting square pipes, round pipes, rectangle pipes, waist-shaped pipes, D-shaped pipes and hexagon pipes and etc. Cutting capacity-square pipes: 20\*20-150\*150, round pipes:  $\Phi$ 20-210mm, more than 0.5mm thickness carbon steel pipes, stainless steel pipes, galvanized steel pipes and other steel material pipes

机器型号 Machine model	LF60MS
激光功率 Laser power	1000W 2000W 3000W 4000W 6000W 8000W(可选 Optional)
外观尺寸 Dimensions	11979*2113*2825mm
加工范围 Machining range	Hold diameter: $\Phi$ 15mm- $\Phi$ 300mm
重复定位精度 Repeated positioning accuracy	$\pm$ 0.01mm
电源额定电压及频率 Specified voltage and frequency	380V 50Hz/60Hz



THREE CHUCKS ZERO REMAINS FIBER LASER TUBE CUTTING MACHINE  
**三卡盘零尾料激光切管机**



五轴管材切割头  
Auto Clamp Chuck



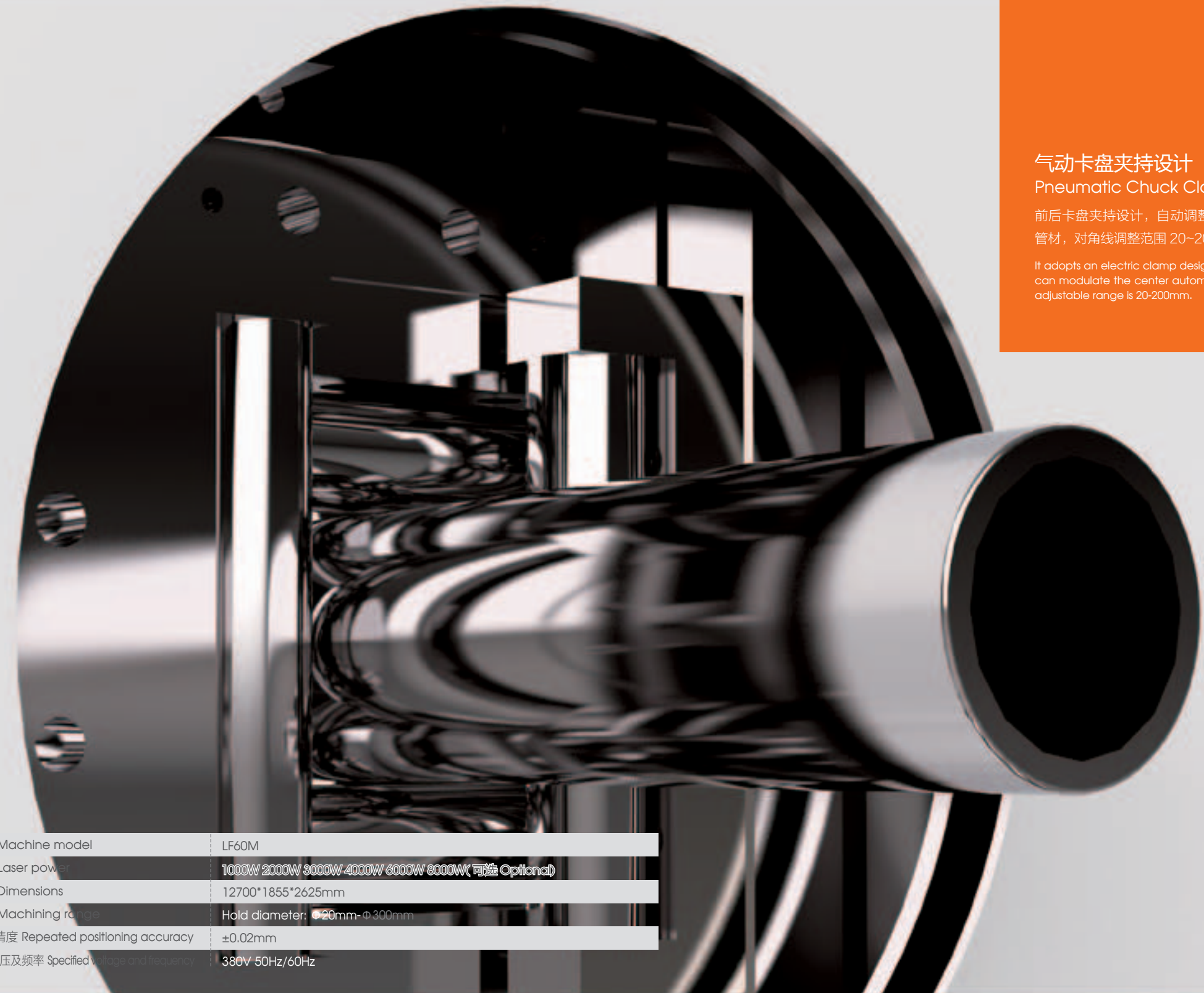
三卡盘  
Three Chuck



自动支撑  
Fractional Automatic Support Installation



无线手柄控制  
Easy To Operate



**气动卡盘夹持设计**  
Pneumatic Chuck Clamping Design

前后卡盘夹持设计，自动调整中心，适用于各类管材，对角线调整范围 20~200mm

It adopts an electric clamp design on both sides and it can modulate the center automatically. The diagonal adjustable range is 20-200mm.

机器型号 Machine model	LF60M
激光功率 Laser power	1000W/2000W/3000W/4000W/6000W/8000W (可选 Optional)
外观尺寸 Dimensions	12700*1855*2625mm
加工范围 Machining range	Hold diameter: $\varnothing$ 20mm- $\varnothing$ 300mm
重复定位精度 Repeated positioning accuracy	$\pm$ 0.02mm
电源额定电压及频率 Specified voltage and frequency	380V 50Hz/60Hz



气动夹持式卡盘  
Pneumatic Chuck Clamping Design



无线手柄控制  
Easy To Operate

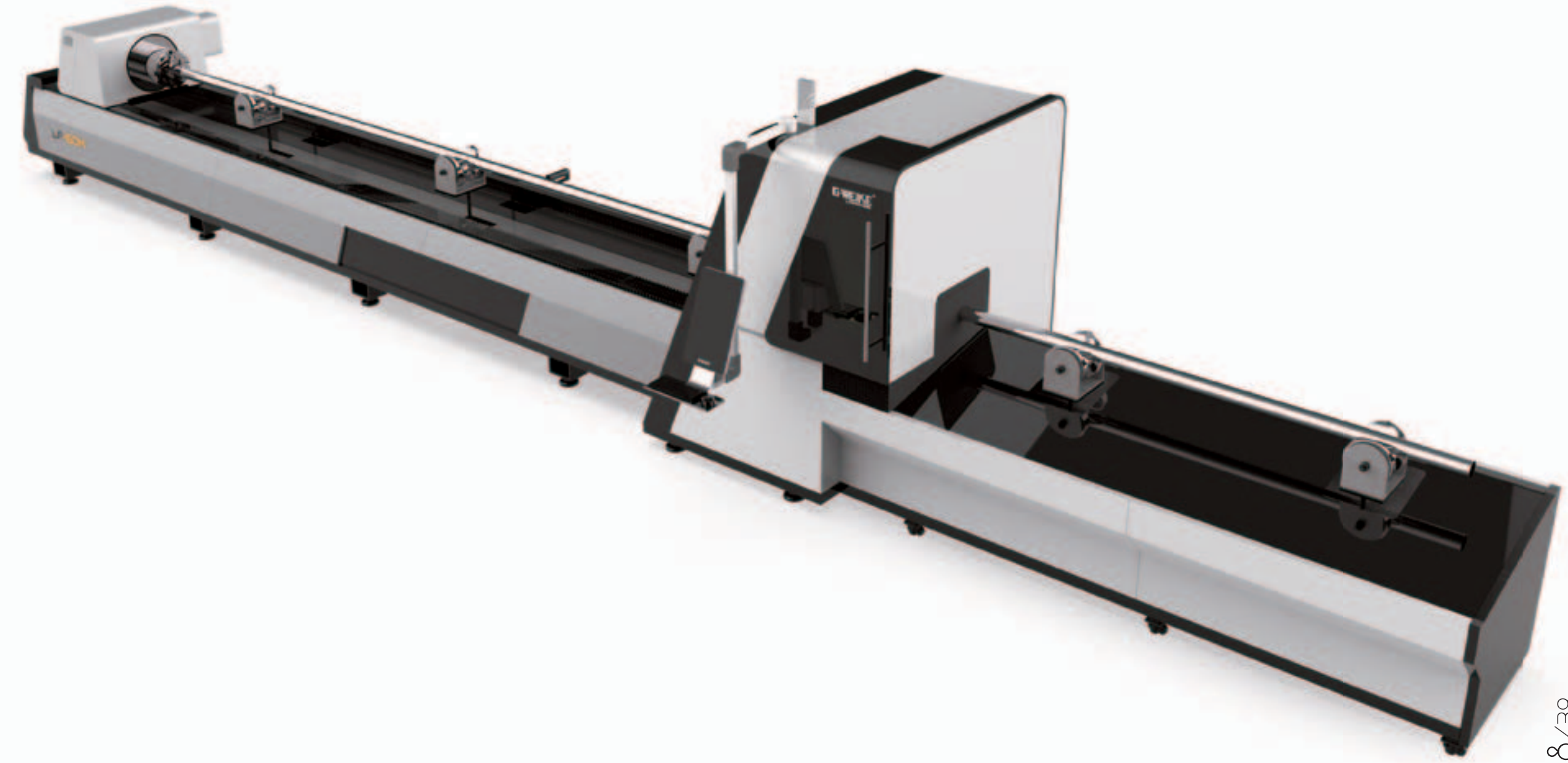


自动支撑  
Fractional Automatic Support Installation



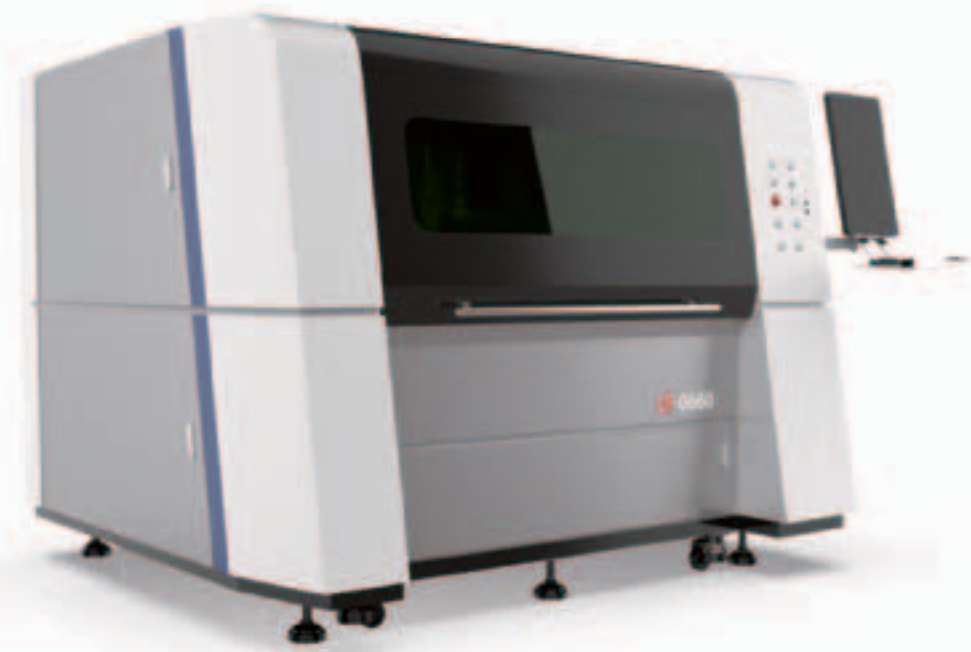
方管 / 圆管样品  
The Samples Show

**M**系列  
AUTOMATIC FIBER LASER METAL TUBE CUTTING MACHINE  
自动管材激光切管机



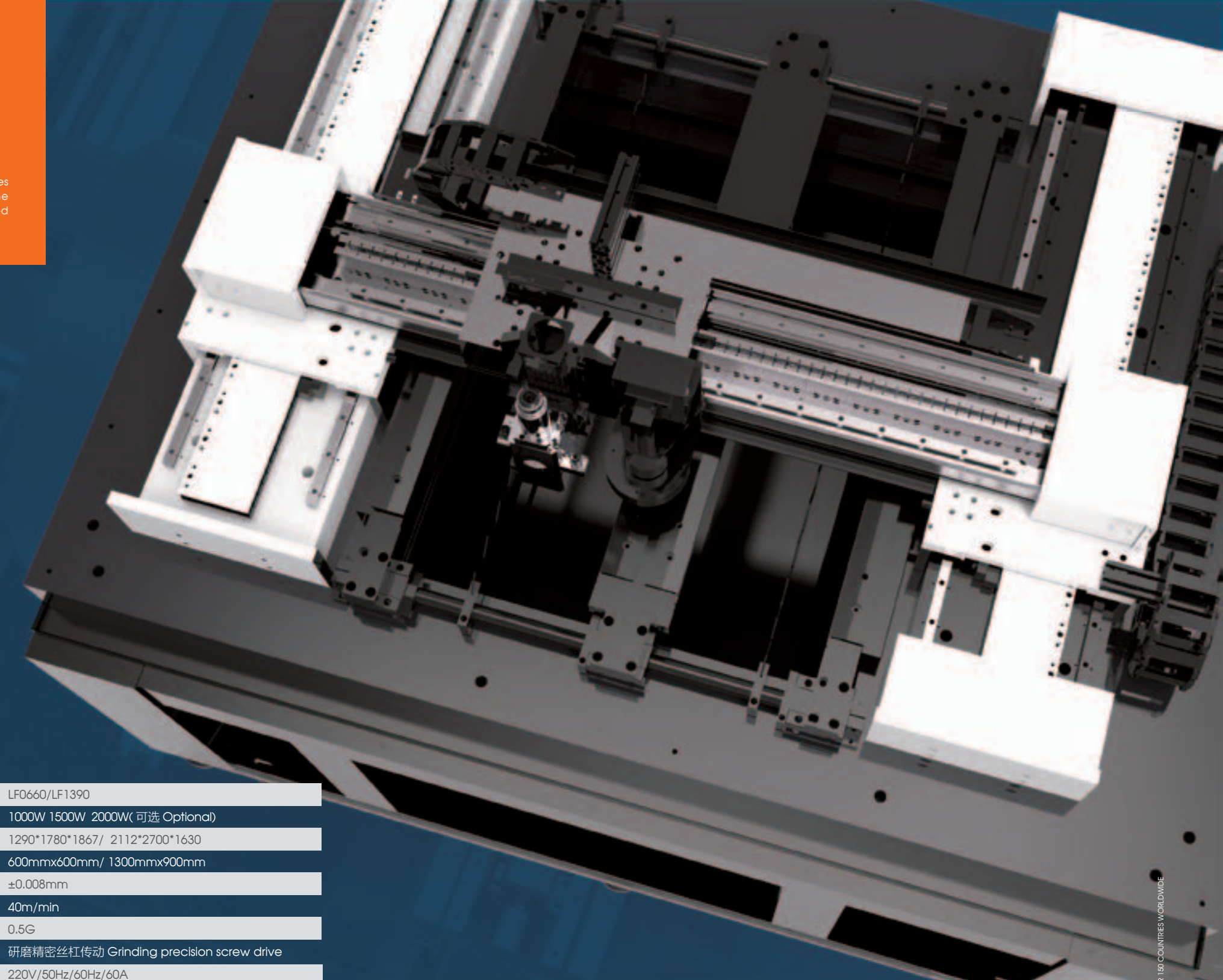
# LF0660/1390

PRECISION FIBER LASER CUTTING MACHINE  
精密光纤激光切割机



双导轨、双丝杠设计，  
保证机器切割运行过程中的切割精度

On both sides have been equipped two rail guides and double ball drive Screw design to ensure the straightness and arc degree when with high-speed cutting is in operation.



机器型号 Machine model	LF0660/LF1390
激光功率 Laser power	1000W 1500W 2000W(可选 Optional)
外观尺寸 Dimensions	1290*1780*1867/ 2112*2700*1630
工作幅面 Working area	600mmx600mm/ 1300mmx900mm
重复定位精度 Repeated positioning accuracy	±0.008mm
最大运行速度 Max. running speed	40m/min
最大加速度 Max. acceleration	0.5G
传动方式 Transmission mode	研磨精密丝杠传动 Grinding precision screw drive
电源额定电压及频率 Specified voltage and frequency	220V/50Hz/60Hz/60A



大理石台面  
Marble table



双导轨双丝杠设计  
Dual Rail and Dual Driver Design



航空铝横梁  
3rd Generation Aviation Aluminum Gantry



日本安川伺服电机  
Japan Yaskawa Servo Motor



**不锈钢防护设计**  
Stainless Steel Protection Design

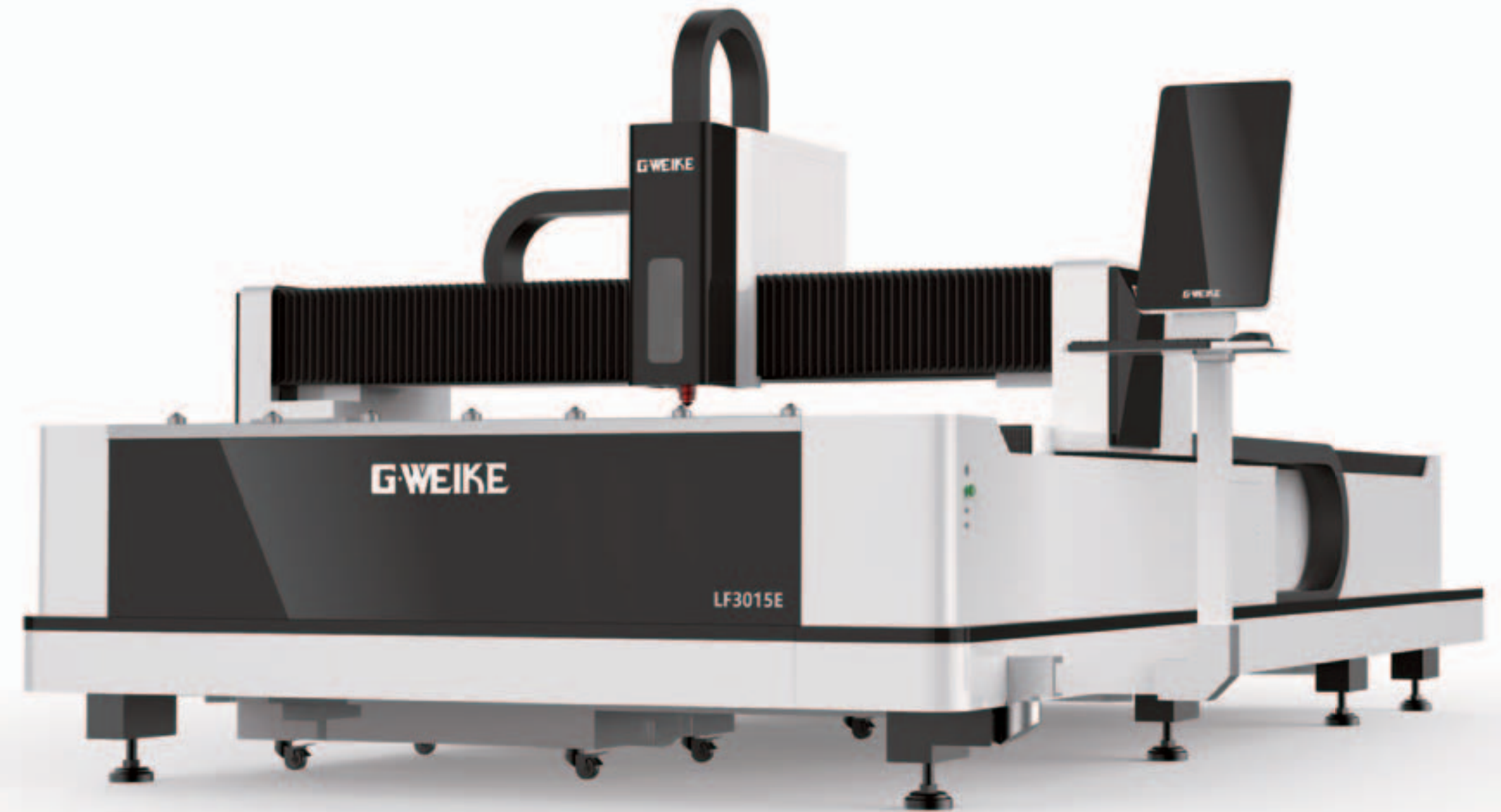
操作区域采用 304 不锈钢设计，  
有效防止高温火花损伤机器表面

The operating area adopts a 304  
stainless steel design to prevent high  
temperature cutting sparks from  
damaging the machine's surface .



机器型号 Machine model	LF3015E
激光功率 Laser power	1000W 1500W (可选 Optional)
外观尺寸 Dimensions	4600*2450*1700mm
工作幅面 Working area	3000mm x 1500mm
重复定位精度 Repeated positioning accuracy	±0.02mm
最大运行速度 Max. running speed	40m/min
电源额定电压及频率 Specified voltage and frequency	380V 50Hz/60Hz

**E 系列**  
FIBER LASER CUTTING MACHINE  
光纤激光切割机



RayTools 切割头  
RayTools Laser Head



航空铝横梁  
Aviation Aluminum Gantry



PAD 设计显示屏  
PAD Design Screen



台达伺服电机  
Delta Servo Motor



世界首创 一机两用  
World-class Technology,  
Dual-use Machine

世界首创工艺，可以切割金属材料和非金属材料，适用范围广

It has a broad cutting range, it can cut both metal and nonmetal materials.

设备型号 Equipment model	LF1325LC
激光功率 Laser working medium	1000W 1500W 光纤激光器 Fiber laser source 150W CO <sub>2</sub> 玻璃激光器 CO <sub>2</sub> laser source
外观尺寸 Dimension	3800*1850*1300mm
工作幅面 Working area	2500mm × 1300mm
切割材料厚度 Cutting thickness	金属/Metal 10mm 非金属/Nonmetal 20mm (视材料而定 As to material)
XYZ 轴行程 XYZ axis working size	2525mm/1325mm/100mm
X/Y 轴定位精度 X / Y axis positioning accuracy	0.03mm/m
最大运行速度 Max. running speed	40m/min



航空铝横梁  
Aviation Aluminum Gantry



台湾精密丝杠  
Taiwan High Precision Ball Screw

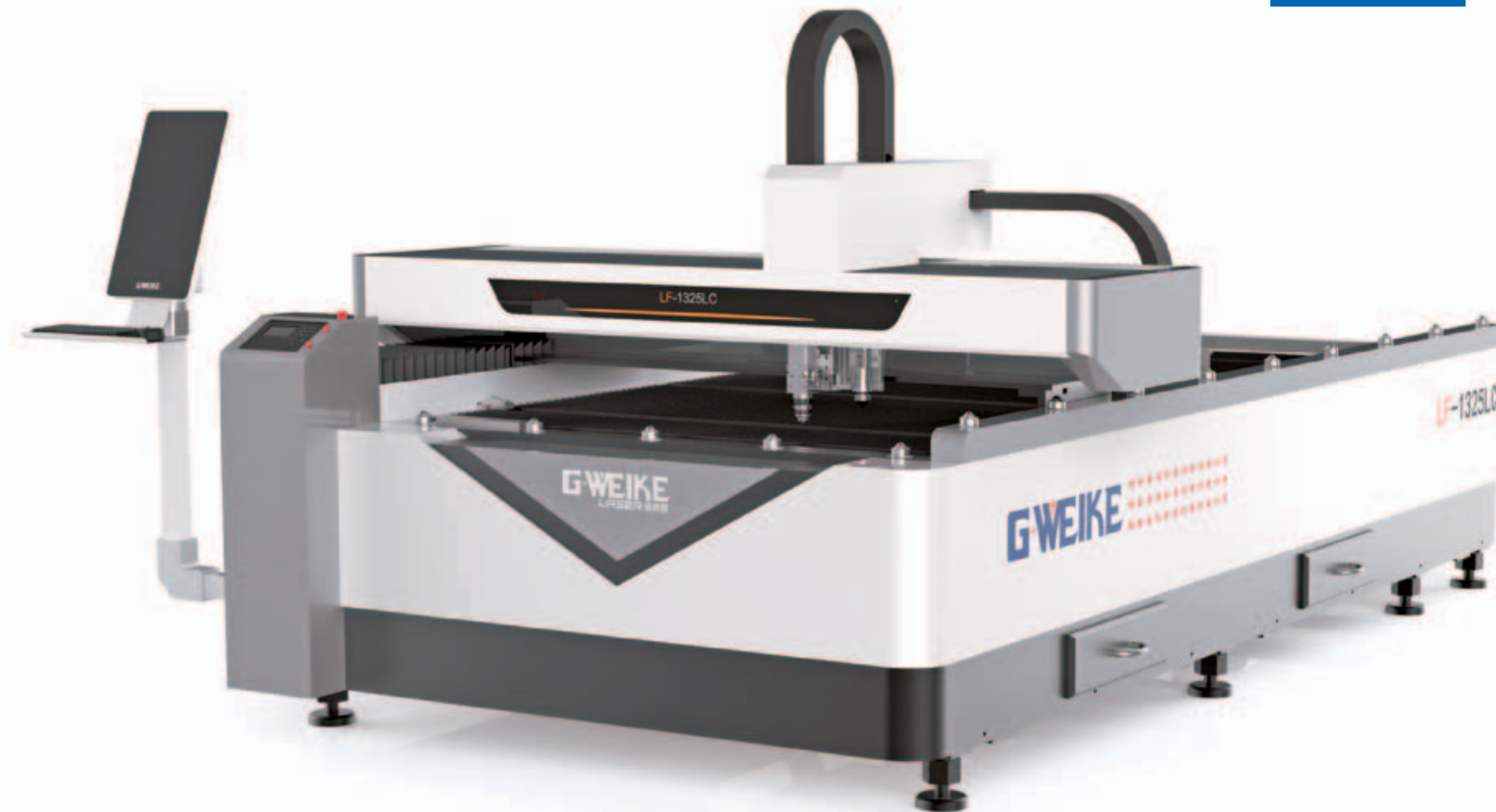


台湾伺服电机  
Delta Servo Motor



台湾导轨  
Taiwan Rail

LC 系列  
METAL & NONMETAL DUAL USE FIBER LASER CUTTING MACHINE  
光纤 CO<sub>2</sub> 激光切割机



日本进口 FANUC 机械手臂及操作系统，应用更智能

It uses the FANUC robot arms and FANUC operating system imported from Japan, making it convenient to use.

机器型号 Machine model	LF1800
激光发生器 Laser type	进口原装光纤激光器 Imported fiber laser source
激光功率 Laser power	500W 750W 1000W (选配 Optional)
工作半径 Working area	1800mm
重复定位精度 Repeated positioning accuracy	±0.05mm
安装方式 Installation	落地式 / 倒挂式 / 壁挂式 Floor Stand/Hang Upside Down/Wall Mounted



**LF1800**系列  
3D FIBER LASER CUTTING ROBOT  
三维光纤激光切割机器人



## LW/LWA 系列 3D/HAND HELD LASER WELDING MACHINE 三维激光焊接机

### 性能技术参数 Technical parameters

机器型号 Machine model	LW 系列
激光功率 Laser power	1000W-10000W(选配 optional)
外观尺寸 Dimensions	935* 720* 1248mm
激光波长 Laser wavelength	1070 NM
光纤长度 Fiber length	标配 Standard10M 最长支持 Maximum support15M
焊机速度范围 Welding machine speed range	0-120 mm/s
焊接厚度建议 Welding thickness recommendations	0.5-3mm
焊接缝隙要求 Welding gap requirements	≤0.5mm
工作电压 Working voltage	220V/380V 50Hz/60Hz



### 性能技术参数 Technical parameters

机器型号 Machine model	LWA 系列
激光功率 Laser power	1000W-10000W(选配 optional)
工作电压 Working voltage	220V/380V/50Hz/60Hz
整套设备功率 Machine power	7KW-15KW
传动系统 Transmission system	发那科 FANUC
重复定位精度 Repeated positioning accuracy	±0.05mm
机床运行温度 Working environment temperature	0°C -40°C

### 适用材料 Application materials

激光焊接可应用于碳钢、不锈钢、锌、铜、铝、铬、金、银等多种金属及其合金材料焊接。  
Laser welding can be used in the welding of carbon steel, stainless steel, aluminum, and other metals and their alloys.

### 行业应用 Industry application

应用于橱柜厨卫、楼梯电梯、货架、烤炉、不锈钢门窗护栏、配电箱、不锈钢家居、车身材料、农药农机泵体配件、汽车挡泥板、游艇金属背板焊接等行业。  
Can be widely used in cabinets, kitchen, staircase elevator, shelf, oven, stainless steel door and window guardrail, distribution box, stainless steel home and other industries complex and irregular welding procedures.

### 性能技术参数 Technical parameters

机器型号 Machine model	LC200/LC300/LC500
激光功率 Laser power	200W 300W 500W
外观尺寸 Dimensions	1111*720*1230mm
扫描宽度 Scan width	10-80mm
功率调节范围 (%)Power regulation range (%)	10-100(渐变可调 Gradual adjustment)
供电电压 Working voltage	AC220V±10% 50Hz-60Hz
移动方式 Moving type	手持式 hand held
整机功耗 Whole machine consumption	4000W (含冷水机)
清洗头重量 Cleaning head weight	3.0Kg

### 适用材料 Application materials

激光清洗主要用于除锈、除漆、除油污以及清除精密零件氧化膜层，由于其高效、节能以及环保等原因。Laser cleaning machine is applied for removing the resin, grease, stains, dirt, rust material, coating, coating and paint. It has the advantages of high efficiency, energy conservation and environmental protection.

### 行业应用 Industry application

激光清洗目前在工业方面应用非常广泛，主要在模具、汽车制造、文物修复以及船舶制造等行业大受青睐。Laser cleaning machine is widely used, mainly in mold, automobile manufacturing, cultural relics restoration, ship manufacturing and other industries.



## LC 系列 LASER CLEANER 激光清洗机



## CUTTING PARAMETER ANALYSIS 切割能力分析

### 光纤器 Laser Power

1000W

1500W

2000W

3000W

4000W

6000W

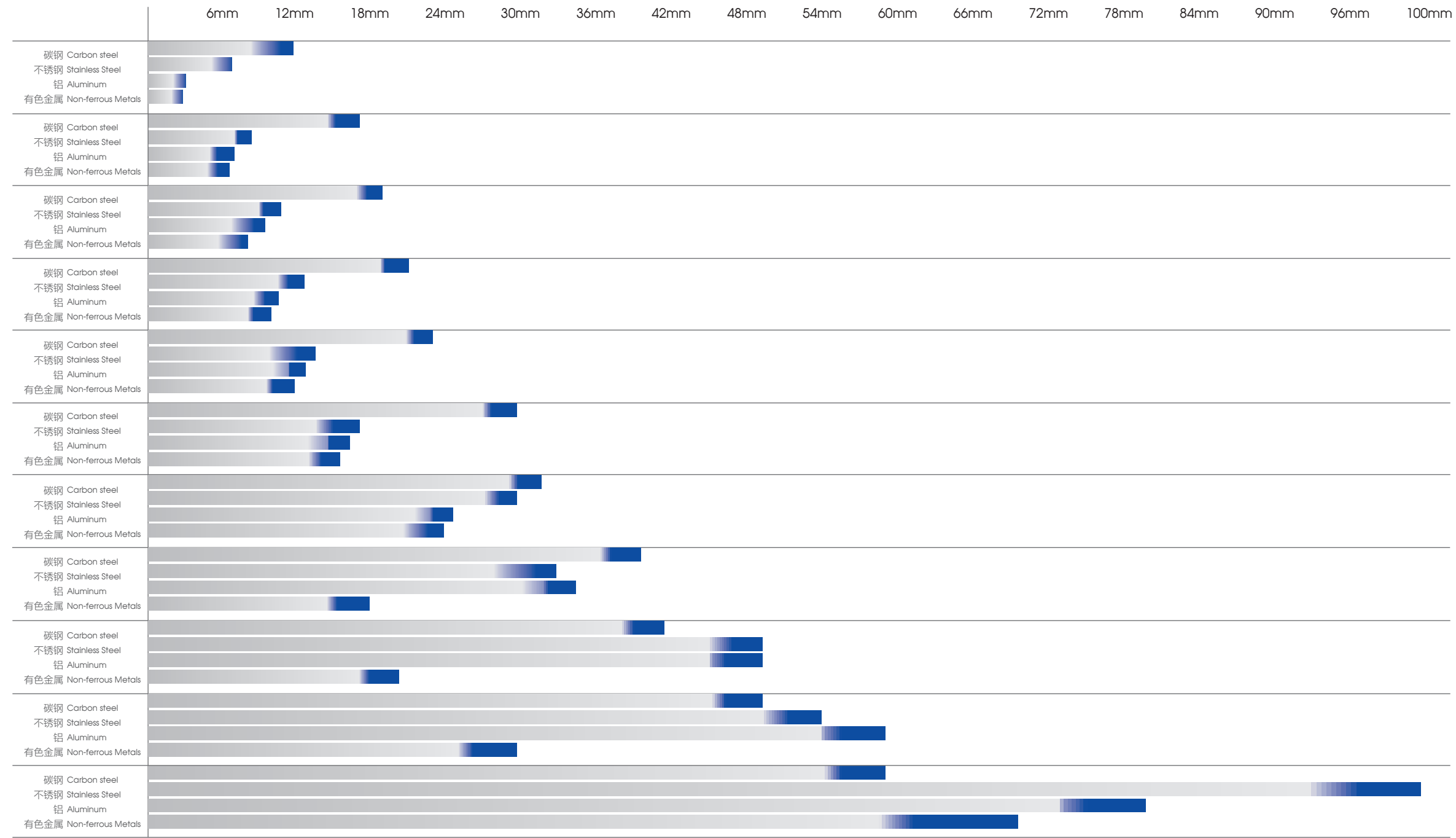
8000W

10000W

12000W

15000W

20000W



最大切割厚度 (不建议长期使用)  
Max. cutting thickness( do not suggest to cut for a long time)

### 材料厚度 Material thickness

## 光纤激光切割厚度及速度参数 Technical Parameters

材料 Material	厚度 (mm) Thickness	IPG1000W	IPG1500W	IPG2000W	IPG3000W	IPG4000W	IPG6000W	IPG8000W	IPG10000W	IPG12000W	IPG15000W	IPG20000W
		切割速度 Speed (m/min)	切割速度 Speed (m/min)	切割速度 Speed (m/min)	切割速度 Speed (m/min)	切割速度 Speed (m/min)	切割速度 Speed (m/min)	切割速度 Speed (m/min)	切割速度 Speed (m/min)	切割速度 Speed (m/min)	切割速度 Speed (m/min)	切割速度 Speed (m/min)
碳钢 Carbon steel	1	15.0-22.0	30.0-40.0	35.0-45.0	28.0-38.0	30.0-44.0	35.0-48.0	60.0-70.0	65.0-75.0	66.0-80.0	70.0-90.0	95.0-100.0
	2	3.5-5.0	4.5-5.5	5.0-6.0	5.5-7.0	5.5-7.7	6.0-8.25	6.8-7.2	7.0-7.5	7.2-7.8	7.5-8.2	7.8-8.5
	3	2.5-3.85	3.0-4.0	3.5-4.3	3.6-5	3.7-5.5	4.0-5.5	4.8-5.5	5.0-5.5	5.2-5.8	5.5-6.0	5.8-6.3
	4	2.0-3.3	2.5-3.5	2.8-4.0	3.0-4.5	3.5-4.62	3.5-5.0	3.8-4.3	4.0-4.5	4.2-4.6	4.5-5.2	4.8-5.5
	5	1.4-2.0	2.0-2.5	2.5-3.0	2.5-3.3	2.5-4.0	3.0-4.2	3.3-4.3	3.6-4.5	3.8-4.7	4.0-5.0	4.3-4.8
	6	1.2-1.65	2.0-2.2	2.2-2.5	2.3-2.86	2.5-3.52	2.6-3.52	3.0-3.4	3.3-3.7	3.5-4.0	3.8-4.3	4.0-4.5
	8	0.9-1.32	1.2-1.5	1.3-1.8	1.8-2.2	2.0-2.8	2.0-2.8	2.3-3.0	2.5-3.2	2.6-3.3	2.8-3.5	3.0-3.6
	10	0.6-0.9	1.0-1.2	1.2-1.5	1.2-1.65	1.2-2.2	1.8-2.3	2.0-2.5	2.3-2.6	2.5-3.0	2.6-3.0	2.8-3.2
	12	0.4-0.7	0.7-0.9	0.8-1.0	1.0-1.32	1.0-1.76	1.6-2.1	1.7-2.2	1.9-2.2	2.0-2.3	2.5-3.0	2.7-3.2
	16		0.6-0.7	0.6-0.8	0.6-0.9	0.7-1.0	1.2-1.4	1.3-1.5	1.4-1.6	1.7-2.0	1.7-2.0	1.9-2.3
	20				0.5-0.8	0.6-0.9	1.1-1.2	1.1-1.2	1.1-1.4	1.3-1.5	1.3-1.5	1.5-1.7
	22					0.6-0.9	0.6-0.77	0.9-1.0	0.9-1.2	0.9-1.2	1.1-1.3	1.2-1.5
	25						0.4-0.65	0.6-0.9	0.6-0.9	0.9-1.2	0.9-1.2	1.0-1.3
	30							0.3-0.6	0.4-0.7	0.5-0.8	0.6-0.8	0.8-1.2
	40								0.4-0.7	0.4-0.7	0.4-0.7	0.7-0.9
	50								0.3-0.6	0.3-0.6	0.3-0.6	0.6-0.8
	60										0.2-0.5	0.4-0.7
70											0.2-0.5	
不锈钢 Stainless Steel	1	16.5-22.0	20.0-26.0	27.5-33.0	31.0-38.5	33.0-45.0	50.0-65.0	63.0-66.0	68.0-72.0	70.0-80.0	75.0-90.0	50.0-60.0
	2	4.5-6.1	7.0-10.0	9.0-11.0	10.0-16.5	10.0-20.0	30.0-40.0	40.0-44.0	42.0-46.0	46.0-48.0	46.0-50.0	35.0-40.0
	3	2.0-3.1	4.5-5.5	4.5-5.5	7.0-10	7.5-12.0	18.0-25.0	25.0-28.0	27.0-30.0	28.0-35.0	30.0-38.0	30.0-35.0
	4	1.0-1.65	2.0-2.5	2.2-2.8	5.0-7.2	5.5-9.0	15.0-15.5	20.0-25.0	18.0-21.0	22.0-26.0	30.0-32.0	30.0-32.0
	5	0.4-0.7	1.5-2.0	1.5-2.0	1.8-2.45	4.0-5.5	8.0-13.5	12.0-14.0	14.0-16.0	15.0-20.0	16.0-22.0	24.0-28.0
	6	0.2-0.45	0.6-0.9	0.7-1.32	1.0-1.65	2.6-4.5	6.0-9.5	9.0-9.5	10.0-10.5	12.0-15.0	12.0-15.0	23.0-25.0
	8		0.2-0.45	0.35-0.6	1.2-2.0	1.6-2.8	4.0-5.5	5.0-5.3	6.5-6.8	7.0-7.5	7.5-8.5	14.0-17.0
	10				0.7-1.0	0.7-1.65	1.8-2.8	3.8-4.0	4.7-5.0	5.0-5.5	5.5-6.5	10.0-13.0
	12					0.5-0.9	1.2-1.65	1.8-2.8	2.8-3.0	3.0-3.5	3.3-4.0	9.0-10.0
	14						0.6-0.9	1.3-1.5	2.3-2.8	2.5-3.0	2.5-3.0	7.0-8.5
	16							1.3-1.5	2.0-2.2	2.1-2.5	2.3-2.8	5.0-6.0
	20							0.7-0.8	1.4-1.7	1.4-1.7	1.5-1.9	2.5-3.0
	25							0.5-0.6	0.7-1.0	0.7-1.0	0.9-1.2	1.4-1.8
	30								0.5	0.5-0.7	0.6-0.8	0.9-1.2
	35									0.4-0.5	0.5	0.25-0.85
	40									0.3	0.3	0.18-0.5
	50									0.3	0.3	0.15-0.2
60										0.2	0.1-0.12	
70											0.08-0.1	
80											0.05-0.06	
90											0.01-0.05	
100											0.02-0.03	
铝 Aluminum	1	10.0-13.2	15.0-27.5	25.0-31.0	25.0-40.0	26.0-44.0	50.0-60.0	53.0-65.0	55.0-70.0	60.0-80.0	65.0-85.0	50.0-60.0
	2	2.0-4.5	7.0-8.6	10.0-13.2	10.0-20.0	10.0-22.0	25.0-38.5	30.0-40.0	33.0-42.0	35.0-45.0	38.0-50.0	35.0-40.0
	3	0.6-1.32	2.5-4.0	5.0-6.6	5.0-6.6	8.0-12.0	13.0-20.0	15.0-23.0	18.0-26.0	22.0-35.0	25.0-38.0	32.0-35.0
	4		1.0-1.65	1.5-2.2	3.0-4.0	4.5-8.25	10.0-13.2	12.0-16.0	15.0-18.0	17.0-24.0	20.0-26.0	45.0-50.0
	5		0.6-0.9	0.6-0.9	2.0-2.65	3.5-5.5	5.0-8.8	7.0-10	11.0-15.0	14.0-20.0	17.0-22.0	35.0-38.0
	6		0.4-0.7	0.6-0.9	1.0-1.65	2.2-4.5	4.0-6.6	5.0-7.0	9.0-11.0	12.0-17.0	14.0-18.0	22.0-25.0
	8			0.4-0.7	0.5-0.8	1.2-2.0	2.0-3.3	2.5-4.0	4.0-6.0	9.0-11.0	11.0-15.0	12.0-15.0
	10				0.3-0.45	0.8-1.65	1.0-2.3	1.5-2.8	2.5-3.5	3.5-4.5	4.0-5.0	9.5-10.0
	12					0.6-0.9	1.0-1.6	1.5-2.0	2.0-3.0	2.3-3.2	2.3-3.2	6.2-7.0
	14						0.3-0.66	0.6-0.9	0.8-1.2	1.0-1.5	1.5-1.8	4.5-5.0
	16							0.6-0.8	0.7-1.0	1.1-1.4	1.3-1.6	2.6-3.0
	20							0.5-0.7	0.5-0.8	1.0-1.2	1.1-1.4	1.6-2.0
	25							0.3	0.5-0.7	0.7-1.0	1.0-1.2	1.2-1.4
	30								0.3-0.5	0.5-0.7	0.6-0.8	0.8-1.0
	35								0.3	0.4-0.5	0.5-0.6	0.7-1.2
	40									0.3	0.4-0.5	0.6-0.8
	50									0.3	0.3	0.3-0.4
60										0.2	0.15-0.2	
70											0.08-0.13	
80											0.06-0.08	
黄铜 Brass	1	14.0-20.0	30.0-38.5	30.0-38.5	20.0-31.0	25.0-38.5	45.0-55.0	48.0-60.0	50.0-62.0	55.0-65.0	60.0-75.0	95.0-100.0
	2	3.0-4.5	4.0-7.2	7.7-8.8	7.0-13.2	8.0-13.2	25.0-33.0	27.0-32.0	30.0-35.0	32.0-40.0	35.0-45.0	55.0-65.0
	3	1.0-1.55	1.0-1.5	3.0-4.5	5.0-7.2	5.5-7.7	12.0-20.0	13.0-20.0	15.0-21.0	16.0-22.0	18.0-25.0	38.0-45.0
	4		1.0-1.2	1.32-1.8	1.8-2.42	3.5-5.5	8.0-11.0	10.0-12.0	11.0-13.0	14.0-18.0	14.0-18.0	35.0-39.0
	5		0.6-0.9	0.6-0.9	1.0-1.65	2.0-3.52	6.0-7.7	7.0-9.0	8.0-11.0	10.0-14.0	12.0-16.0	32.0-35.0
	6			0.4-0.66	0.8-1.32	1.4-2.2	3.5-5.0	4.0-5.5	5.0-7.5	6.0-13.0	10.0-13.0	29.0-32.0
	8				0.3-0.45	0.8-1.32	1.6-2.42	2.0-2.5	3.0-4.5	5.5-6.5	7.0-8.5	25.0-28.0
	10					0.2-0.45	0.8-1.32	1.6-2.2	2.0-2.5	3.5-4.7	5.0-6.5	22.0-25.0
	12							0.8-1.2	1.1-2.0	1.7-2.8	2.0-3.5	19.0-23.0
	15								0.8-1.2	1.0-1.6	1.5-2.2	1.8-2.0
	18									0.6-0.8	0.8-1.2	0.8-1.3
	20									0.3-0.6	0.5-0.8	1.3-1.5
	25										0.4-0.7	1.2-1.3
	30										0.3-0.6	1.0-1.2
	40											0.5-0.9
	50											0.19-0.59
	60											0.13-0.17
70											0.1-0.13	

光纤机使用成本分析 Cost Analysis

激光功率 Laser power	辅助气体 Assisted gas 能耗 Consumption	光纤机使用成本分析 Cost Analysis			
		可选方案一： 空气切割（用空压机组切割不锈钢板） Option I:Using air compressor Cutting Stainless steel	可选方案二： 氧气切割（用 O <sub>2</sub> 切割不锈钢） Option II :using O <sub>2</sub> Cutting Stainless steel	可选方案三： 氮气切割（用 N <sub>2</sub> 切割不锈钢） Option III :using N <sub>2</sub> Cutting Stainless steel	
1500W	电力消耗 Power Consumption	激光器 Laser power	4.5KW	4.5KW	4.5KW
		冷水机组 Water Chiller Group	3.5KW	3.5KW	3.5KW
		机床主机 Host Machine	6KW	6KW	6KW
		除尘设备 Dust Exhausting Equipment	3KW	3KW	3KW
	易损件 Consumable Part	2.5 RMB/h	2.5 RMB/h	2.5 RMB/h	
	气体消耗 Gas Consumption	5.5KW	* 约 ( About ) 30RMB/h*	约 ( About ) 120RMB/h	
	总电力功率 Total Power	22.6KW	17KW	17KW	
	平均功率（取 60%切割效率） Average Power Consumption(Take60% Cutting Efficiency)	22.5x60%=13.5KW	17x60%=10.2KW	*17x60%=10.2KW*	
总运行成本 All Cost( 按 1RMB/kwh)	13.5+2.5=16 RMB/h	*10.2+30+2.5=42.7RMB/h*	*10.2+120+2.5=132.7RMB/h*		

2000W	电力消耗 Power Consumption	激光器 Laser power	6KW	6KW	6KW
		冷水机组 Water Chiller Group	5.7KW	5.7KW	5.7KW
		机床主机 Host Machine	6KW	6KW	6KW
		除尘设备 Dust Exhausting Equipment	3KW	3KW	3KW
	易损件 Consumable Part	2.5 RMB/h	2.5 RMB/h	2.5 RMB/h	
	气体消耗 Gas Consumption	5.5KW	* 约 ( About ) 30RMB/h*	约 ( About ) 120RMB/h	
	总电力功率 Total Power	26.2KW	20.7KW	20.7KW	
	平均功率（取 60%切割效率） Average Power Consumption(Take60% Cutting Efficiency)	26.2x60%=15.72KW	20.7x60%=12.42KW	*20.7x60%=12.42KW*	
总运行成本 All Cost( 按 1RMB/kwh)	15.72+2.5=18.22 RMB/h	*12.42+30+2.5=44.9RMB/h*	*12.42+120+2.5=134.9RMB/h*		

3000W	电力消耗 Power Consumption	激光器 Laser power	9KW	9KW	9KW
		冷水机组 Water Chiller Group	5.7KW	5.7KW	5.7KW
		机床主机 Host Machine	10KW	10KW	10KW
		除尘设备 Dust Exhausting Equipment	3KW	3KW	3KW
	易损件 Consumable Part	2.5 RMB/h	2.5 RMB/h	2.5 RMB/h	
	气体消耗 Gas Consumption	5.5KW	* 约 ( About ) 30 RMB/h*	约 ( About ) 120RMB/h	
	总电力功率 Total Power	33.2KW	27.7KW	27.7KW	
	平均功率（取 60%切割效率） Average Power Consumption(Take60% Cutting Efficiency)	33.2x60%=19.92KW	27.7x60%=16.62KW	*27.7x60%=16.62kw*	
总运行成本 All Cost( 按 1RMB/kwh)	19.92+2.5=22.42 RMB/h	*16.62+30+2.5=49.1RMB/h*	*16.62+120+2.5=139.1RMB/h*		

4000W	电力消耗 Power Consumption	激光器 Laser power	12KW	12KW	12KW
		冷水机组 Water Chiller Group	6KW	6KW	6KW
		机床主机 Host Machine	10KW	10KW	10KW
		除尘设备 Dust Exhausting Equipment	3KW	3KW	3KW
	易损件 Consumable Part	2.5 RMB/h	2.5 RMB/h	2.5 RMB/h	
	气体消耗 Gas Consumption	5.5KW	* 约 ( About ) 30 RMB/h*	* 约 ( About ) 120RMB/h	
	总电力功率 Total Power	36.5KW	31KW	31KW	
	平均功率（取 60%切割效率） Average Power Consumption(Take60% Cutting Efficiency)	36.5x60%=21.9KW	31x60%=18.6KW	*31x60%=18.6KW*	
总运行成本 All Cost( 按 1RMB/kwh)	21.9+2.5=24.4RMB/h	*18.6+30+2.5=51.1RMB/h*	*18.6+120+2.5=141.1RMB/h*		

6000W	电力消耗 Power Consumption	激光器 Laser power	18kw	18kw	18kw
		冷水机组 Water Chiller Group	7.9kw	7.9kw	7.9kw
		机床主机 Host Machine	10kw	10kw	10kw
		除尘设备 Dust Exhausting Equipment	3kw	3kw	3kw
	易损件 Consumable Part	2.5 RMB/h	2.5 RMB/h	2.5 RMB/h	
	气体消耗 Gas Consumption	5.5kw	* 约 ( About ) 120 RMB/h*	约 ( About ) 120 RMB/h	
	总电力功率 Total Power	44.4 kw	38.9 kw	38.9 kw	
	平均功率（取 60%切割效率） Average Power Consumption(Take60% Cutting Efficiency)	44.4x60%=26.64 kw	38.9x60%=23.34 kw	*38.9x60%=23.34kw*	
总运行成本 All Cost( 按 1RMB/kwh)	26.64+2.5=29.14 RMB/h	*23.34+30+2.5=55.8RMB/h*	*23.34+120+2.5=145.8RMB/h*		

备注：电费、气体费用价格因地区不同会有差别，以上所有价格仅供参考。  
The cost price of gas and electricity for different regions are different, all of the above price is for reference only.

本表格参考电价为 1 元人民币/千瓦时，气体参考价格为 40 元/瓶（40 升）  
Reference electricity price is 1RMB/kWh, gas price is 40RMB/bottle(40L) in this form.

光纤机使用成本分析 Cost Analysis

激光功率 Laser power	辅助气体 Assisted gas 能耗 Consumption	光纤机使用成本分析 Cost Analysis			
		可选方案一： 空气切割（用空压机组切割不锈钢板） Option I:Using air compressor Cutting Stainless steel	可选方案二： 氧气切割（用 O <sub>2</sub> 切割不锈钢） Option II :using O <sub>2</sub> Cutting Stainless steel	可选方案三： 氮气切割（用 N <sub>2</sub> 切割不锈钢） Option III :using N <sub>2</sub> Cutting Stainless steel	
8000W	电力消耗 Power Consumption	激光器 Laser power	24kw	24kw	24kw
		冷水机组 Water Chiller Group	10kw	10kw	10kw
		机床主机 Host Machine	10kw	10kw	10kw
		除尘设备 Dust Exhausting Equipment	3kw	3kw	3kw
	易损件 Consumable Part	2.5 RMB/h	2.5 RMB/h	2.5 RMB/h	
	气体消耗 Gas Consumption	5.5kw	* 约 ( About ) 30RMB/h*	约 ( About ) 120RMB/h	
	总电力功率 Total Power	52.5kw	47 kw	47 kw	
	平均功率（取 60%切割效率） Average Power Consumption(Take60% Cutting Efficiency)	52.5x60%=31.5 kw	47x60%=28.2 kw	47x60%=28.2 kw	
总运行成本 All Cost( 按 1RMB/kwh)	31.5+2.5=34 RMB/h	*28.2+30+2.5=60.7RMB/h*	*28.2+120+2.5=150.7RMB/h*		

10000W	电力消耗 Power Consumption	激光器 Laser power	30kw	30kw	30kw
		冷水机组 Water Chiller Group	10kw	10kw	10kw
		机床主机 Host Machine	10kw	10kw	10kw
		除尘设备 Dust Exhausting Equipment	3kw	3kw	3kw
	易损件 Consumable Part	2.5 RMB/h	2.5 RMB/h	2.5 RMB/h	
	气体消耗 Gas Consumption	5.5kw	* 约 ( About ) 30 RMB/h*	约 ( About ) 120RMB/h	
	总电力功率 Total Power	58.5 kw	53 kw	53 kw	
	平均功率（取 60%切割效率） Average Power Consumption(Take60% Cutting Efficiency)	58.5x60%=35.1 kw	53x60%=31.8 kw	53x60%=31.8 kw	
总运行成本 All Cost( 按 1RMB/kwh)	35.1+2.5=37.6 RMB/h	*31.8+30+2.5=64.3RMB/h*	*31.8+120+2.5=154.3RMB/h*		

12000W	电力消耗 Power Consumption	激光器 Laser power	36kw	36kw	36kw
		冷水机组 Water Chiller Group	12kw	12kw	12kw
		机床主机 Host Machine	10kw	10kw	10kw
		除尘设备 Dust Exhausting Equipment	3kw	3kw	3kw
	易损件 Consumable Part	2.5 RMB/h	2.5 RMB/h	2.5 RMB/h	
	气体消耗 Gas Consumption	5.5kw	* 约 ( About ) 30 RMB/h*	约 ( About ) 120RMB/h	
	总电力功率 Total Power	66.5 kw	61 kw	61 kw	
	平均功率（取 60%切割效率） Average Power Consumption(Take60% Cutting Efficiency)	66.5x60%=40 kw	61x60%=36.6 kw	61x60%=36.6 kw	
总运行成本 All Cost( 按 1RMB/kwh)	40+2.5=42.5RMB/h	*36.6+30+2.5=69.1RMB/h*	*36.6+120+2.5=159.1RMB/h*		

15000W	电力消耗 Power Consumption	激光器 Laser power	45kw	45kw	45kw
		冷水机组 Water Chiller Group	15kw	15kw	15kw
		机床主机 Host Machine	10kw	10kw	10kw
		除尘设备 Dust Exhausting Equipment	3kw	3kw	3kw
	易损件 Consumable Part	2.5 RMB/h	2.5 RMB/h	2.5 RMB/h	
	气体消耗 Gas Consumption	5.5kw	* 约 ( About ) 30 RMB/h*	约 ( About ) 120RMB/h	
	总电力功率 Total Power	78.5 kw	73 kw	73 kw	
	平均功率（取 60%切割效率） Average Power Consumption(Take60% Cutting Efficiency)	78.5x60%=47.1 kw	73x60%=43.8 kw	73x60%=43.8 kw	
总运行成本 All Cost( 按 1RMB/kwh)	47.1+2.5=49.6RMB/h	*43.8+30+2.5=76.3RMB/h*	*43.8+120+2.5=166.3RMB/h*		

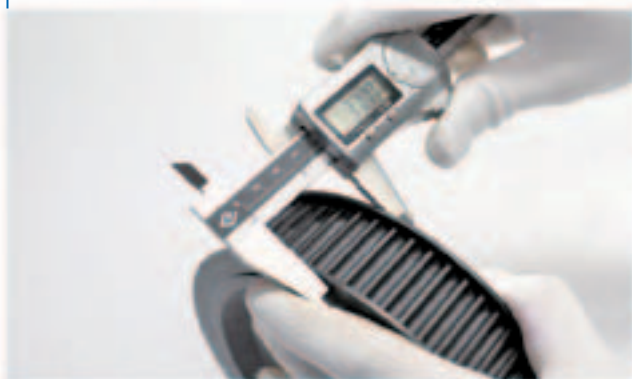
20000W	电力消耗 Power Consumption	激光器 Laser power	60kw	60kw	60kw
		冷水机组 Water Chiller Group	20kw	20kw	20kw
		机床主机 Host Machine	15kw	15kw	15kw
		除尘设备 Dust Exhausting Equipment	3kw	3kw	3kw
	易损件 Consumable Part	2.5 RMB/h	2.5 RMB/h	2.5 RMB/h	
	气体消耗 Gas Consumption	5.5kw	* 约 ( About ) 30RMB/h*	约 ( About ) 120RMB/h	
	总电力功率 Total Power	100.5kw	95 kw	95 kw	
	平均功率（取 60%切割效率） Average Power Consumption(Take60% Cutting Efficiency)	100.5x60%=60kw	95x60%=57kw	95x60%=57.6kw	
总运行成本 All Cost( 按 1RMB/kwh)	60+2.5=62.5RMB/h	*57+30+2.5=89.5RMB/h*	*57.6+120+2.5=180.1RMB/h*		

备注：电费、气体费用价格因地区不同会有差别，以上所有价格仅供参考。  
Reference electricity price is 1RMB/kWh, gas price is 40RMB/bottle(40L) in this form.

本表格参考电价为 1 元人民币/千瓦时，气体参考价格为 40 元/瓶（40 升）  
The reference price of this table is 1RMB per kilowatt hour and the reference price of gas is 40 RMB per bottle (40 liters).

QUALITY MANAGEMENT SYSTEM  
质量管理体系

01/ 来料检测  
Incoming testing



02/ 分段式焊接  
Segmented welding



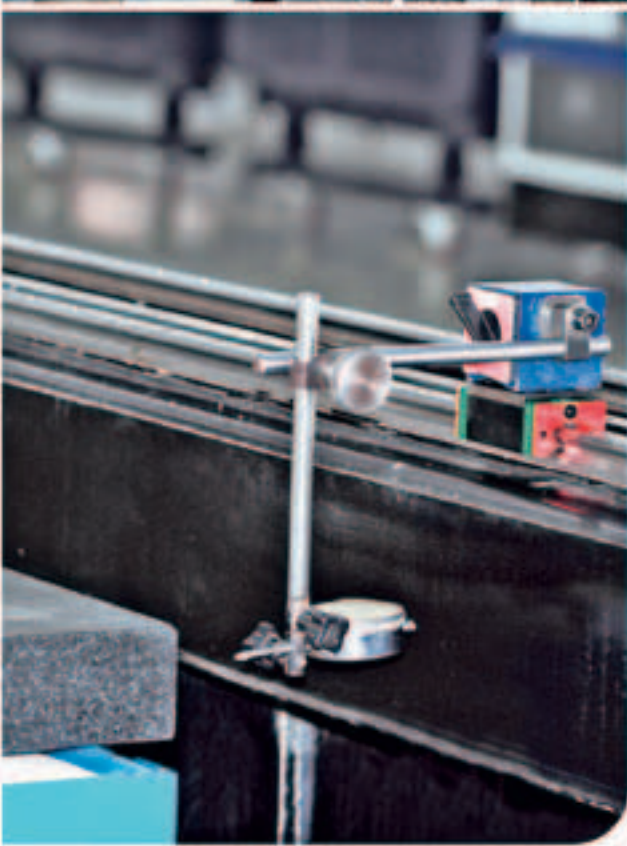
03/ 床身热时效处理  
Bed thermal aging treatment



04/ 龙门铣  
Gantry milling



05/ 导轨安装  
Rail installation



06/ 齿条安装  
Rack installation



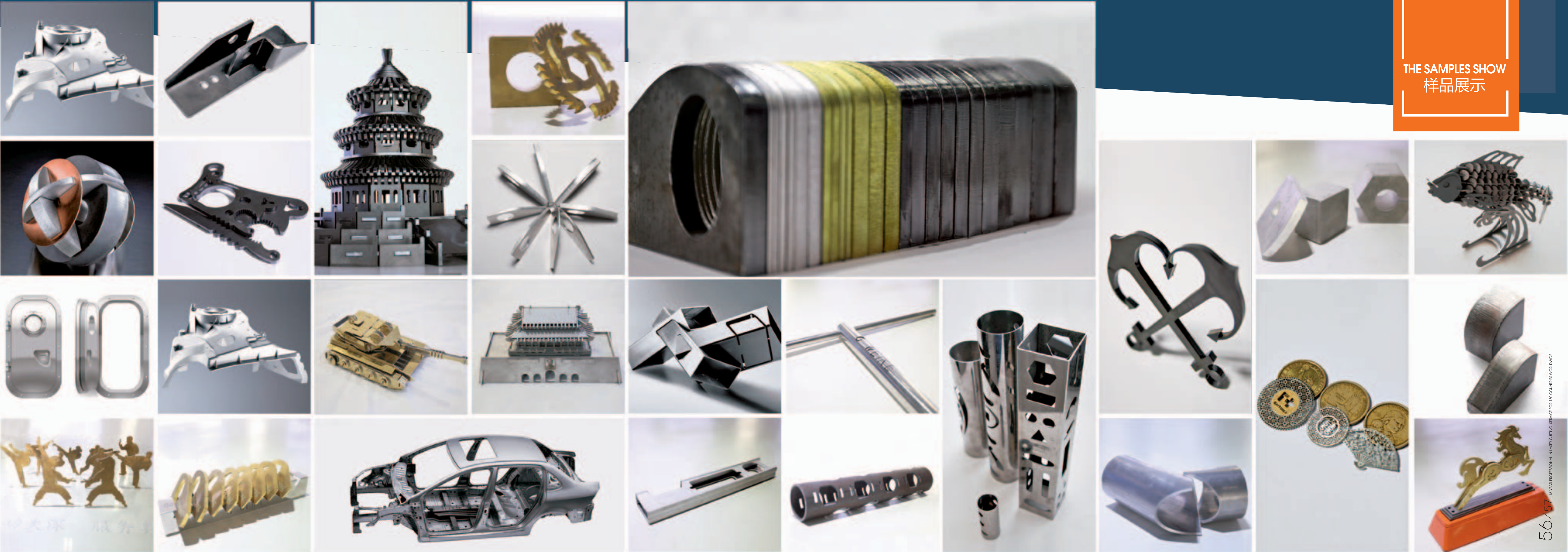
07/ 整机质检  
Machine quality inspection



08/ 空行试切  
Max. running speed test



THE SAMPLES SHOW  
样品展示



WORLD TOUR EXHIBITION  
全球巡展







#### 售前服务

Pre-sale service

通过网络、电话、上门等多种方式，为客户提供专业的行业解决方案。

Through the network, telephone, onsite services and other means to provide customers with professional industry solutions.

#### 售中服务

Sale of services

我们将以诚信、公平的原则对待每一位客户。

We will treat every customer with honesty and fairness.

#### 售后服务

After-sale service

我们将对您采购的设备负责，提供上门安装、调试、培训等技术支持。

We will be responsible for the equipment which you purchase, provide on-site installation, commissioning, training and other technical support.

服务政策  
SERVICE POLICY