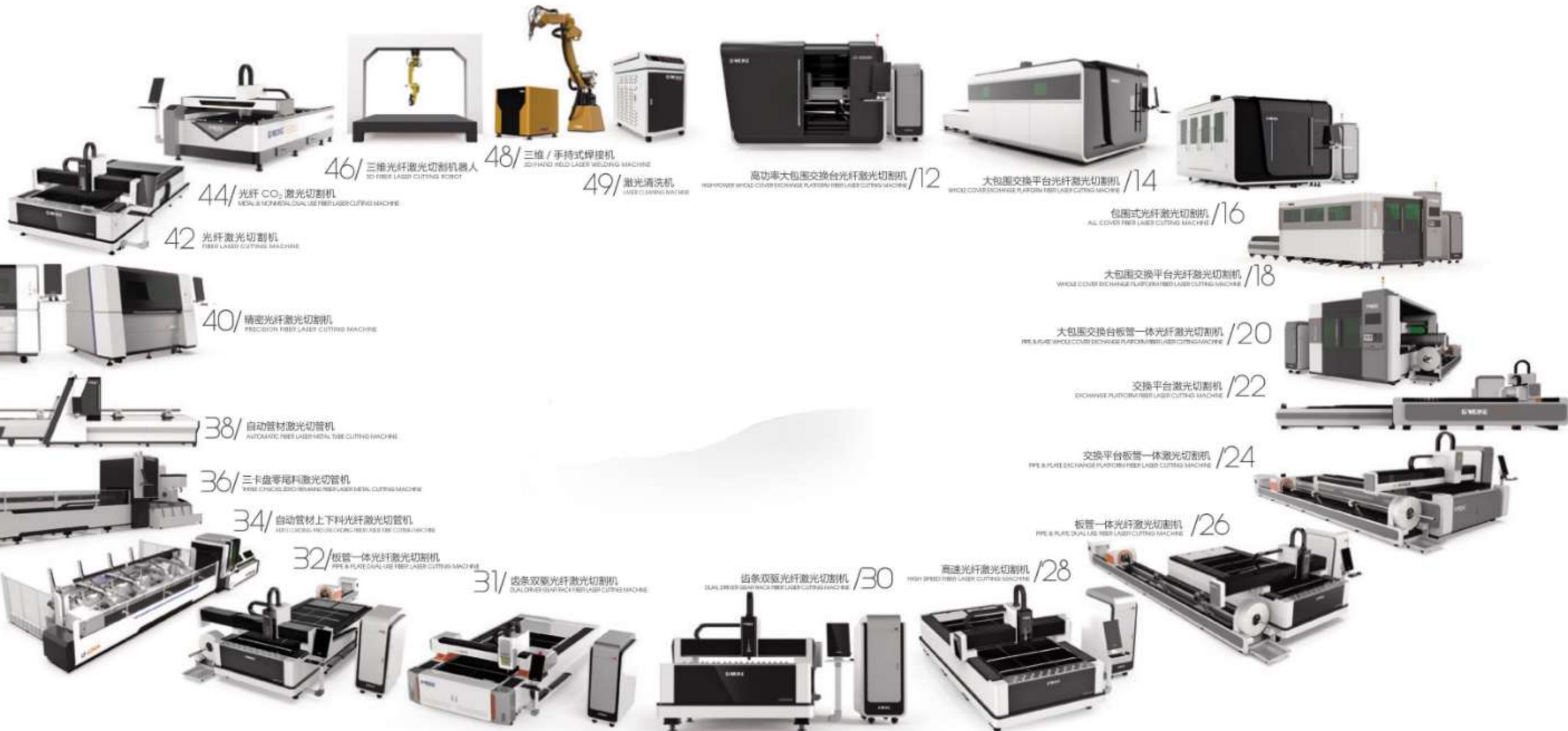


CONTACT NO. 046-686-2217 / 046-686-2204
EMAIL: airtac.atcgroup@yahoo.com
WEBSITE: www.atcgroups.com

AIRTAC ENT. PHILS. CO. LTD. CORP.
UNIT 57 & 58 CENTURY COMMERCIAL COMPLEX V
SALAWAG, DASMARIÑAS, CAVITE

BETTER LIFE COMES WITH LASE TECHNOLOGY



机头型号 Machine model	LF4020GH6025GH
最大输出功率 Max. output power	2000W 4000W 6000W 8000W 10000W 12000W 15000W 20000W 电通 Option
外形尺寸 Dimensions	865*280*230mm 1083*336*230 1547*397*237.5
工作速度 Working speed	±0.01mm/2000rpm 2000rpm/2000mm
重复定位精度 Repeated positioning accuracy	±0.02mm
最大运行速度 Max. speed	20mm/s
最大加速度 Max. acceleration	2.5G
电源额定电压及频率 Specified voltage and frequency	380V 50/60Hz



2 超重量級格闘技用
Type 2 Overweight Wrestling Mat



Abstract



德國雙連定向心鎖
German Pinned Lock Head



Sammy Allen's Great Rock

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

采用航空标准航空铝,经4000吨压力挤压机成型,强度可达T6,时效处理后可成大吨位加工能力,重量轻,耐腐蚀,强度高,保证设备的机械通原理。

It is manufactured with aerospace standards and formed by 4000 ton press extrusion molding. After aging treatment, its strength can reach T6, which is the strongest strength of all grades. Aviation aluminum has many advantages, such as good toughness, light weight, corrosion resistance, and excellent low density, and greatly increase the processing speed.

机载型号 Machine model	U101150A/W1200A/60200A
激光功率 Laser power	3000W/4000W/6000W/8000W/10000W/12000W/15000W/20000W/25000W/30000W
外形尺寸 Dimensions	8800*2800*2110mm/10800*3300*2510/14740*3300*2510
工作台面积 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	120mm/s
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



重型板焊接床
Heavy Plate welding bed



标准 CE 认证防护玻璃
CE Standard Protective Glass



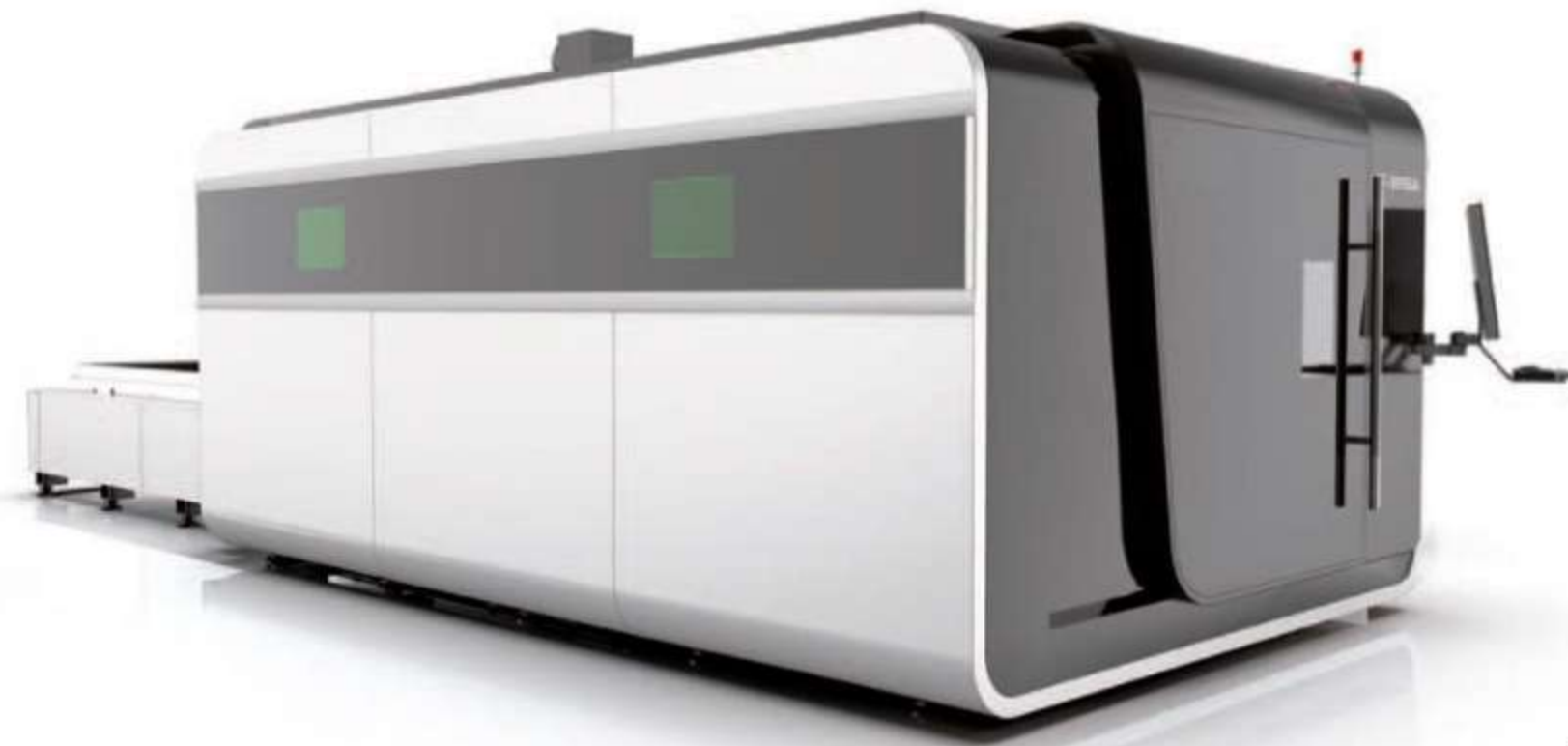
德国技术激光头
German Technical Laser Head



德国 ATB 三大齿圈
Germany ATB Gear Rack

GA 系列

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
通过红外摄像头，通过红外线摄像头实时监控运行
Back time observe the machine running through the camera

机型型号 Machine model	LP3010P
激光功率 Laser power	1000W 2000W 3000W 4000W 6000W 8000W 可选 Optional
外形尺寸 Dimensions	5425*3150*2530mm
工作区 Working area	3000mm*1600mm
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 Rated voltage and frequency	380V 50Hz/60Hz



重型钢板切割
Heavy Plate Cutting



航空铝型材
Aircraft Aluminum Extrusion



标准 CE 合格防护罩
CE Standard Protective Cover



德国 Akro-Milch 齿条
German Akro-Milch Gear Rack

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



机 型 号 Machine model	1H9303CA 6025G2
激光功率 Laser power	3000W/4000W/6000W/8000W/10000W/12000W/15000W/可选 Option
外形尺寸 Dimensions	14060*3340*2130mm 14000*3840*2350mm
工作范围 Working area	6000mm x 2000mm 6000mm x 2500mm
重复定位精度 Repeated positioning accuracy	±0.02mm
最大空载速度 Max. running speed	120m/min
最大加速度 Max. acceleration	1.5G
额定输入电压及频率 Specified voltage and frequency	380V/50Hz/50Hz



WHOLE COVER EXCHANGE PLATFORM FIBER LASER CUTTING MACHINE

大包围交换平台光纤激光切割机

G 系列



安全环保

Safety and No Pollution

全封闭式结构，采用国际 CE 标准的安全措施，安全无忧。

With a fully enclosed design, the observation window adopts an European CE Standard laser protective glass, ensuring no sparks and no environmental pollution.

一机两用，节约成本

Dual Use and Cost-saving

兼具切板、切管两大功能，降本增效，生产效益倍增。Can not only cut metal plates but also metal pipes, which effectively improve productivity and save costs.

机型型号 Machine model	LP3015GR
激光功率 Laser power	1000W 2000W 3000W 4000W 6000W 8000W 10000W 12000W (可选 Optional)
外形尺寸 Dimensions	8000*3000*2300mm
工作范围 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



气动夹钳设计
Pneumatic Chuck Clamping Design



摩擦式自动
Frictional Automatic Support Installation



铝型材机架
Aluminum Extrusion Frame



重型钢板机身
Heavy Plate Steel Body



GR 系列

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

采用高低交换平台交换设计，简单实用，大大缩短了换料时间，通过时间控制实现换料，实现平台快速交换。

It adopts an up and down exchange platform and the controller is responsible for controlling the exchanging motor, the machine is able to finish the platform exchanging within 1s.

机器型号 Machine model	LE3Q150C/6000GC
激光功率 Laser power	1000W 2000W 3000W 4000W 6000W 8000W
外形尺寸 Dimensions	8150*2650*1800mm 13880*3150*1800mm
工作台尺寸 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	1.0G
电源额定电压及频率 Speed, voltage and frequency	380V/50Hz/60Hz



Aluslot铝槽
Aluslot Aluminum Gully



重型铝槽冷却棒
Heavy Duty Cooling Bar



日本松下伺服电机
Apero 30 Mega Motor Base



日本松下伺服电机
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
高速转架 极速穿孔
自动调焦，调节精度高，稳定性强
激光切割，不同厚度的材料精准切割
highly rotate machine, rapid penetration
Automatic focusing, more precise, more stable
high efficiency cutting, fast to cut different thickness plate

机型型号 Machine model	LF-3015GCR
激光功率 Laser power	1500W/2000W/3000W/4000W/5000W/6000W/8000W/10000W
外形尺寸 Dimensions	8950*3550*1850mm
工作范围 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
电压/频率 Voltage and frequency	380V/50Hz/60Hz



航空铝龙门
Auction Aluminum Gantry



重型钢板床
Heavy Plate Working Bed



焊前检查校正设计
Pre-welds Check Correcting Design



机器人自动旋转支撑旋转
Robotic Auto-rotate Support rotation

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

自动送料，高载能力，强大的夹力，
夹装不变形，保持管材，板材加工精度。

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

机头型号 Machine model	1-3015C11M
激光功率 Laser power	1000W 2000W 3000W 4000W 6000W 8000W (可选 Optional)
外形尺寸 Dimensions	5315*1800*1950mm (mm) 6000*1800*1950mm (mm)
工作范围 Working area	3000mm x 1800mm
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



自动安装
Automatic Support Installation



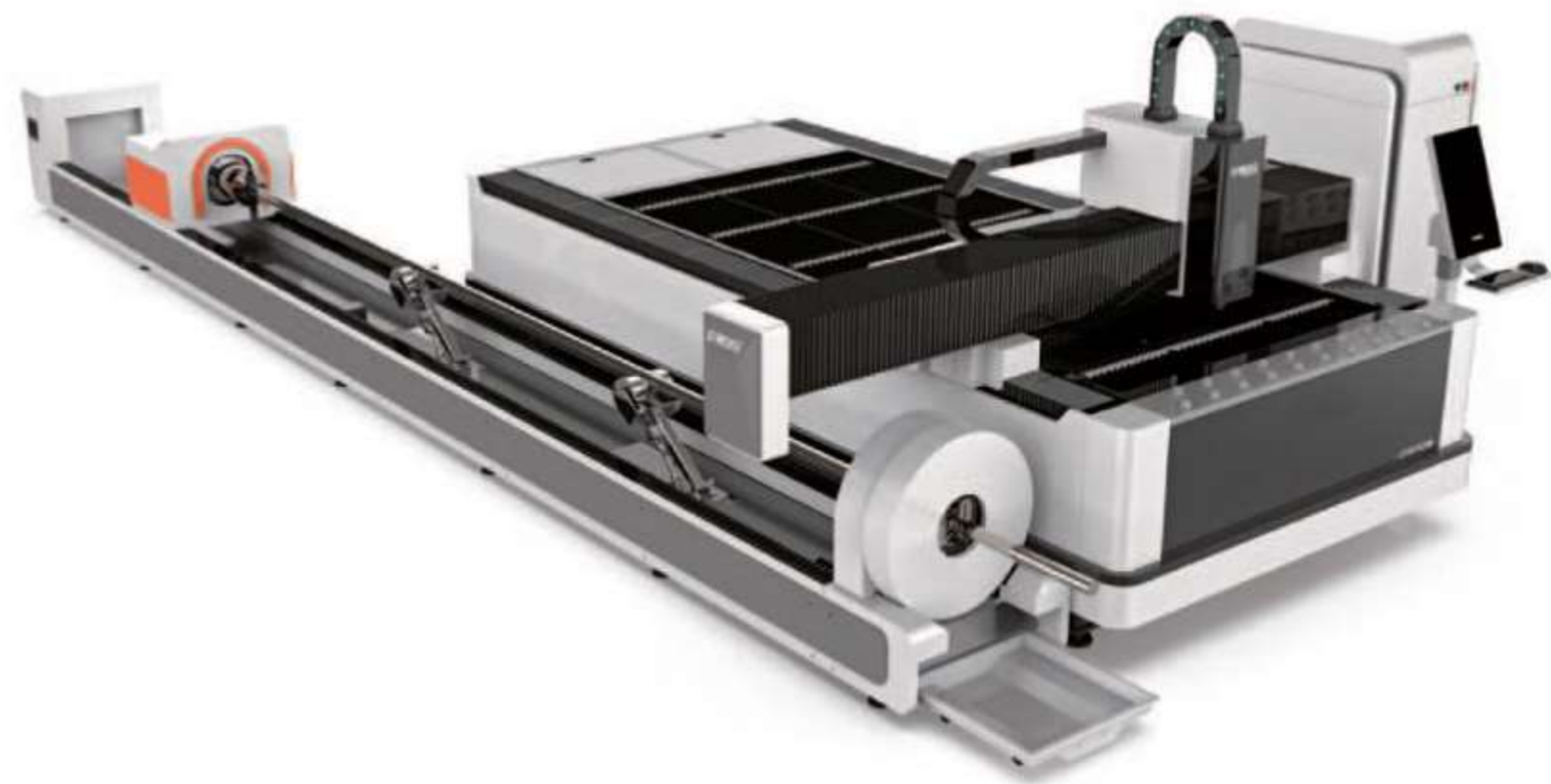
阳极氧化铝龙门
Anodized Aluminum Gantry



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

主要适用于金属材料，主要适用于不锈钢、碳钢、镀锌板、电解板、黄铜板、铝、铜、各种合金板，具有金属材料的广泛快速切割。

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	1530H/CN
光纤功率 Laser power	1000W 2000W 3000W 4000W (可选 Optional)
外形尺寸 Dimension	6500*3000*1800mm
工作范围 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
传动方式 Transmission	双驱动系统 Double driven rack gear



日本电产伺服电机
Japan Nidec Servo Motor



日本电产伺服电机
Japan Nidec Servo Motor



日本电产伺服电机
Japan Nidec Servo Motor

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

机型号 Machine model	LF3015LN
激光功率 Laser power	1000W (500W/2000W, 选配 optional)
外形尺寸 Dimensions	4440*2900*1660mm
工作范围 Working area	3000mm(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
额定供电电压及频率 Specified voltage and frequency	380V 50Hz/60Hz/50A

可切割多种金属材料。主要适用于：不锈钢、碳钢、镀锌板、铝板、铜板、铝镁合金、钛板、铝铜、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.



机头型号 Machine model	1F4518L
激光功率 Laser power	1000W/1500W/2000W (选配 optional)
外形尺寸 Dimensions	634F 2538*1860mm
工作幅宽 Working area	4500mm/1500mm
重复定位精度 Repeated positioning accuracy	40/32mm
最大运行速度 Max. running speed	60m/min
最大加速度 Max. acceleration	1G
传动方式 Transmission	双驱动半浮动 Double driven rock gear
电源规格 电压/频率 Specified voltage and frequency	380V/50Hz/60Hz/50/60A



Assistant Adjutant General

[illegible]

利德迅的未來
LIDEX 2020



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

伺服驱动 Machine driver	LS301SL4R
额定功率 Rated power	1000W 200% 1000W
外形尺寸 Dimensions	515*290*145mm / 530*290*145mm
工作频率 Working freq.	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
额定输入电压及频率 Specified voltage and frequency	380V 50 Hz/60 Hz



气动卡箍夹紧设计
Pneumatic Clack Clamping Design



EMERGENCY

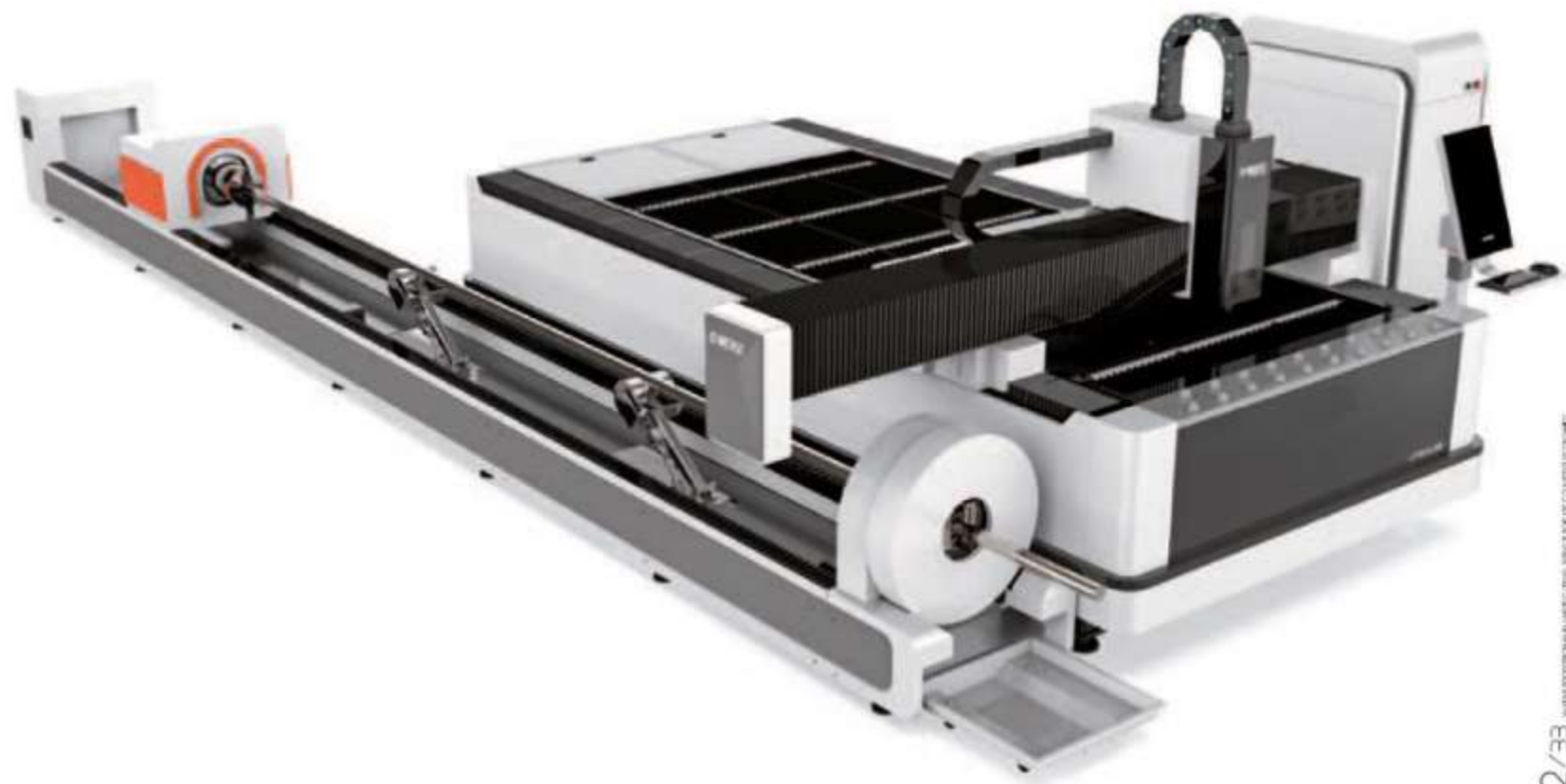


Anglian Aluminium Supply



The Department, Department of the Interior

LNR 系列





气动卡盘夹持设计
Pneumatic Chuck Clamping Design

气动卡盘夹持设计，自动夹持中心，适用于各种管径，可夹持管径范围 20-200mm

It adopts an electric clamp design on both sides and it can hold the center automatically. The clamping available range is 20-200mm.

机器型号 Machine model	U60V
激光功率 Laser power	1000W/2000W/3000W/4000W/5000W/6000W 可选/Optional
外形尺寸 Dimensions	12700*1855*2635mm
加工范围 Machining range	Max diameter: 200mm-2000mm
重复定位精度 Repeated positioning accuracy	±0.02mm
电源额定电压及频率 Specified	380V 50Hz/60Hz



气动夹持式卡盘
Pneumatic Chuck Clamping Design



触控屏控制
Easy To Operate



机械支撑
Mechanical Automatic Support Mechanism



切割 / 支撑样品
The Samples Show

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



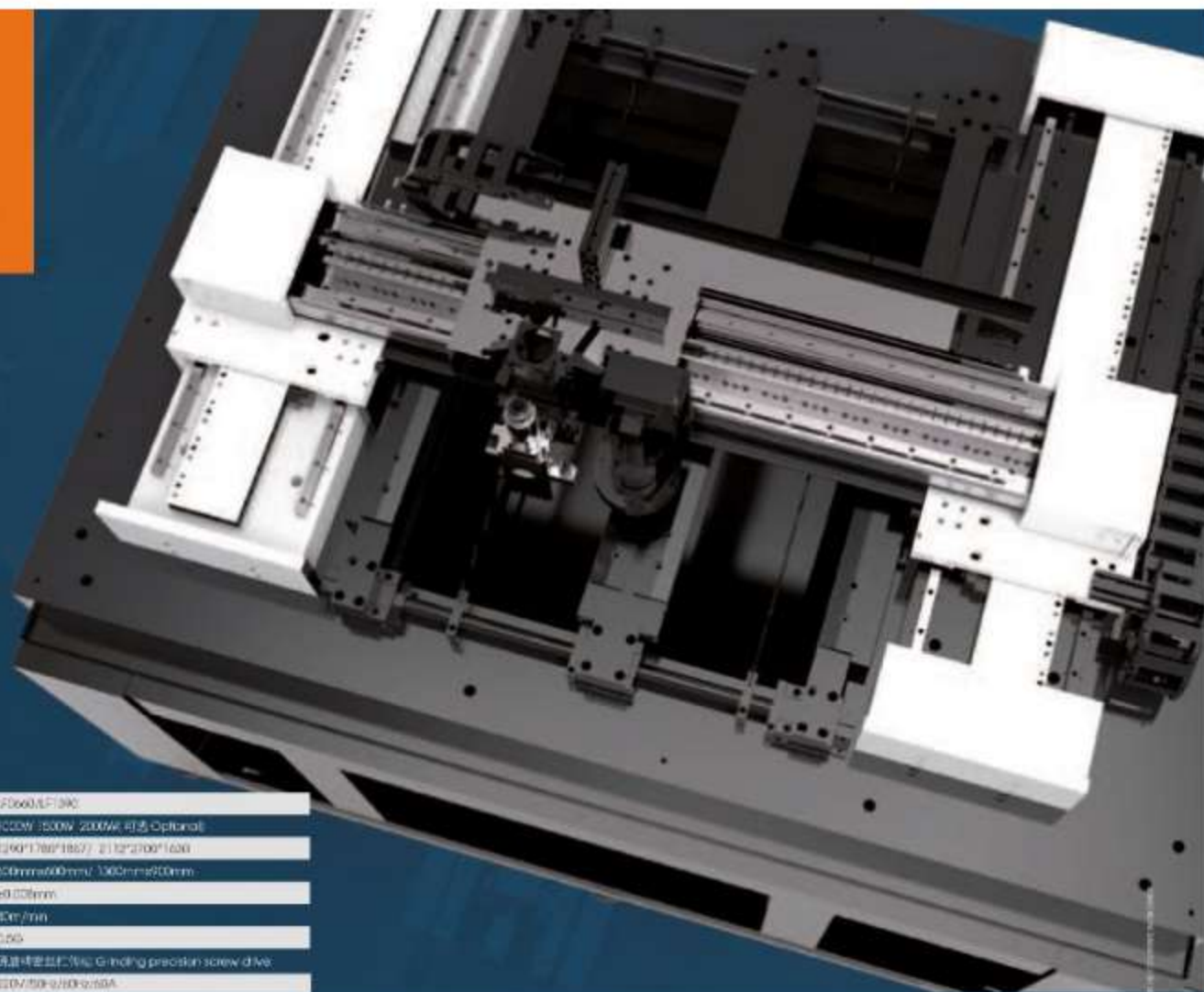
LF0660/1390

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



沿导轨、齿隙式设计，
保证机器运行过程中的精度稳定

On both sides, we have equipped two sets of guided
and double ball drive screw design to ensure the
stability and accuracy when working at high speed
cutting in operation.



机头型号 Machine model	LF0660/LF1390
激光功率 Laser power	1000W / 1500W / 2000W (可选 Optional)
外形尺寸 Dimensions	1260*1780*1850 / 2112*2700*1650
工作范围 Working area	600mmx600mm / 1000mmx2000mm
重复定位精度 Repeated positioning accuracy	±0.02mm
最大运行速度 Max. running speed	40m/min
最大加速度 Max. acceleration	0.6G
传动方式 Transmission mode	精密研磨丝杠/蜗杆 Grinding precision screw drive
电源额定电压及频率 Rated voltage and frequency	220V/50Hz/16A/20A



机头结构
Machine head



双轴齿隙式设计
Dual Axis and Dual Drive Design



第三代伺服电机
3rd Generation Motor Asynchronous Drive



日本富士电机驱动
Japan Fuji Motor Drive



不锈钢防护设计

Stainless Steel Protection Design

操作区域采用 304 不锈钢设计，
有效防止高温火花和熔渣飞溅。

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

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

机型型号 Machine model	LF3015E
激光功率 Laser power	1000W 1500W (可选 Optional)
机身尺寸 Dimensions	2600*1450*1300mm
工作范围 Working area	3000mm x 1500mm
重复定位精度 Repeatability accuracy	±0.02mm
最大运行速度 Max. running speed	40m/min
电源电压输出范围 Specified voltage and frequency	380V 50Hz/60Hz



RaySole 激光头
RaySole Laser Head



航空铝横梁
Aviation Aluminum Gantry



PAD 设计屏幕
PAD Design Screen



DELTA 伺服电机
Delta Servo Motor



设备型号 Equipment model	IF1325.C
加工能力 (max) Working medium	1000W 1000W 加工材料: HighAlloy material 150W CO ₂ 激光切割机 CO ₂ laser cutter
外形尺寸 Dimension	3637*1637*1300mm
工作速度 Working speed	2500mm/min, 3000mm
冷却物厚度 Culling thickness	金属板厚 0.5mm-3.0mm, Homedie 20mm (塑料厚度 4.0mm max)
X/Y 轴行程 X/Y axis working size	2525mm*1225mm/1000mm
X/Y 轴定位精度 X / Y axis positioning accuracy	0.01mm/min
最大运行速度 Max. running speed	250mm/min



6000 Series
Aluminum Grating



www.hillrom.com



2025-2026
Civics Service Project



6208344
Yamamoto / 11/28

METAL & NONMETAL DUAL USE FIBER LASER CUTTING MACHINE
光纤 CO₂ 激光切割机



日本进口FINAUX机械手臂及操作系统，
应用更广泛。

It uses the FINAUX robot arm and FABRIC
operating system imported from Japan, making
it convenient to use.

机型型号 Machine model	LF1800
激光发生器 Laser type	进口 光纤激光器进口 imported fiber laser source
激光功率 Laser power	900W 750W 600W (可选 Optional)
工作半径 Working radius	1800mm
重复定位精度 Repeated positioning accuracy	±0.05mm
安装方式 Installation	悬吊式/侧装式/壁装式 Lark hanging/Lark 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	100W-1000W(选配 optional)
外形尺寸 Dimensions	900*720*1210mm
激光波长 Laser wavelength	1070nm
光纤长度 Fiber length	标配 6000m 选配 10000m/支持定制
焊接速度 Welding machine speed range	0-120 mm/s
焊接精度 Welding precision/misalignment	0.5-0.1mm
焊接间隙要求 Welding gap requirements	≤0.5mm
工作电压 Working voltage	220V/50Hz 60Hz/50Hz



性能技术参数 Technical parameters

机器型号 Machine model	LWA 系列
激光功率 Laser power	100W-1000W(选配 optional)
工作电压 Working voltage	220V/50Hz/60Hz
整机额定功率 Machine power	7kW-15kW
传动系统 Transmission system	丝杠精传
重复定位精度 Repetition positioning accuracy	±0.05mm
环境温度要求 Working environment temperature	0℃-40℃

适用材料 Application materials

激光焊接机适用于碳钢、不锈钢、铝、铜、钛、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

适用于各种钣金、机箱机柜、支架、壳体、不锈钢门、电梯轿厢、不锈钢家具、车身材料、农用车机架和配件、汽车发动机、游艇金属装饰件等行业。
Can be widely used in cabinets, kitchen, staircase elevator, shell, 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	LC2000 LC3000 LC600
激光功率 Laser power	100W 300W 500W
外形尺寸 Dimensions	1111*720*1230mm
扫描宽度 Scan width	10-60mm
功率调节范围 (%) Power regulation range (%)	10-100(速度可调 Speed adjustable)
使用电压 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 (选配选配)
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层等。由于效率高、节能以及环保等原因。
Laser cleaning machine is applied for removing the rust, 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广泛应用。
Laser cleaning machine is widely used, mainly in mold, automobile manufacturing, cultural relic restoration, ship manufacturing and other industries.

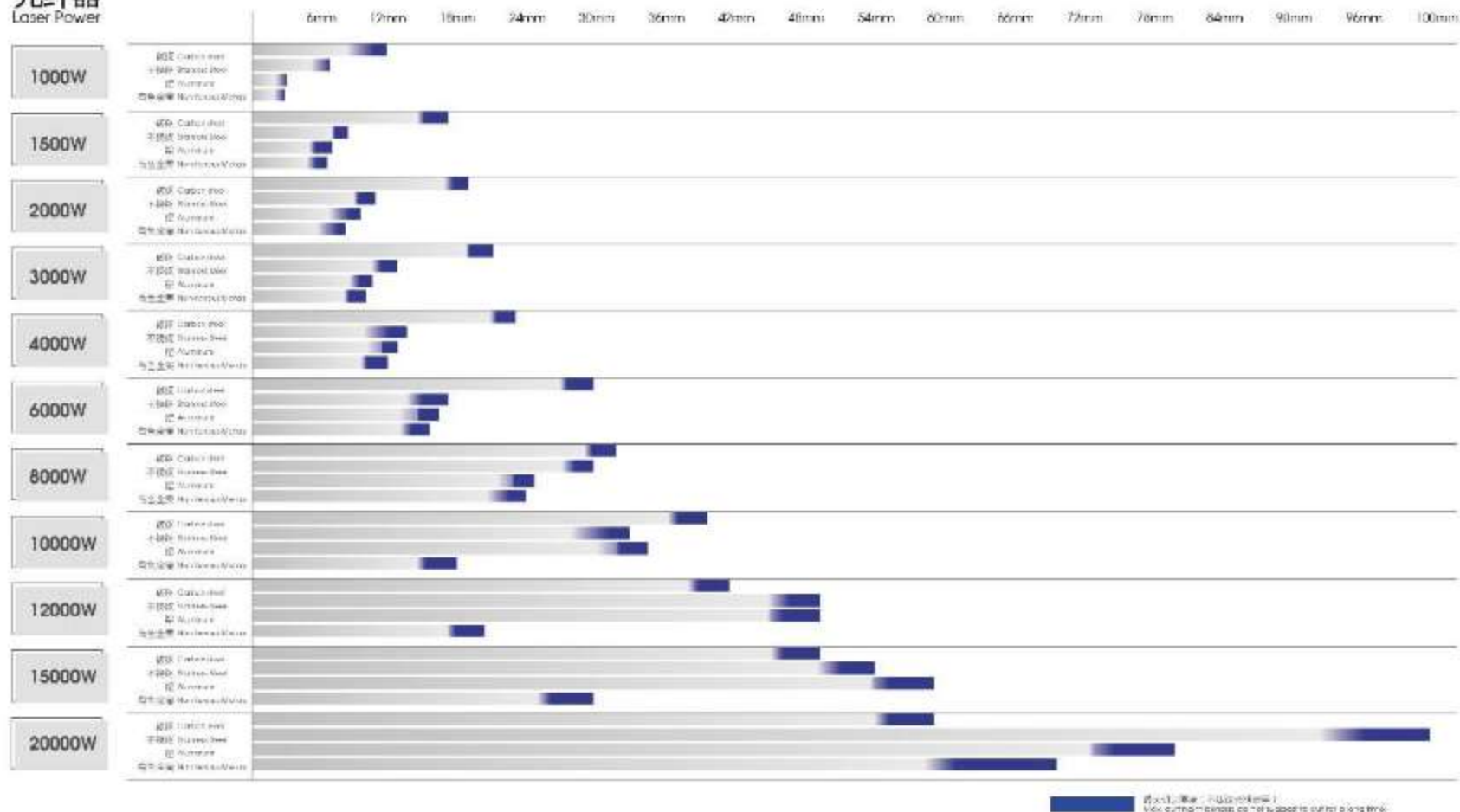


LC 系列 LASER CLEANER 激光清洗机



CUTTING PARAMETER ANALYSIS 切割能力分析

光纤器
Laser Power



材料厚度
Material thickness

光纤激光切割厚度及速度参数 Technical Parameters

[illegible]

光纤机使用成本分析 Cost Analysis

激光功率 Laser power	辅助功耗 Assisted gas Power Consumption	可选项一: Option I using air compressor Cutting Stainless steel	可选项二: Option II using O ₂ Cutting Stainless steel	可选项三: Option III using N ₂ Cutting Stainless steel
1600W	激光功率 Power Consumption	激光器 Laser power	4.5kW	4.5kW
		冷却机组 Water Chiller Group	3.5kW	3.5kW
		加热风机 Heat Machine	6kW	6kW
		除尘设备 Dust Exhausting Equipment	3kW	3kW
	辅助设备 Consumable Part	2.5 RM/h	2.5 RM/h	2.5 RM/h
		气体消耗 Gas Consumption	6.5kw	约 (About) 30RM/h
		总电力消耗 Total Power	22.8kW	17kW
	平均功率 (取 60% 切割效率) Average Power Consumption (Take 60% Cutting Efficiency)		17.6kW=16.2kW	11.2kW=10.2kW
	总运行成本 All Cost (按 1RM/kwh)		13.5+2.5=16 RM/h	10.2+10.2=20.4 RM/h

2000W	激光功率 Power Consumption	激光器 Laser power	6kW	6kW
		冷却机组 Water Chiller Group	5.7kW	5.7kW
		加热风机 Heat Machine	6kW	6kW
		除尘设备 Dust Exhausting Equipment	3kW	3kW
	辅助设备 Consumable Part	2.5 RM/h	2.5 RM/h	2.5 RM/h
		气体消耗 Gas Consumption	6.5kw	约 (About) 30RM/h
		总电力消耗 Total Power	26.2kW	20.7kW
	平均功率 (取 60% 切割效率) Average Power Consumption (Take 60% Cutting Efficiency)		26.2x60%=15.72kW	20.7x60%=12.42kW
	总运行成本 All Cost (按 1RM/kwh)		15.72+2.5=18.22 RM/h	12.42+10.2=22.62 RM/h

3000W	激光功率 Power Consumption	激光器 Laser power	9kW	9kW
		冷却机组 Water Chiller Group	5.7kW	5.7kW
		加热风机 Heat Machine	10kW	10kW
		除尘设备 Dust Exhausting Equipment	3kW	3kW
	辅助设备 Consumable Part	2.5 RM/h	2.5 RM/h	2.5 RM/h
		气体消耗 Gas Consumption	5.5kW	约 (About) 30 RM/h
		总电力消耗 Total Power	33.2kW	27.7kW
	平均功率 (取 60% 切割效率) Average Power Consumption (Take 60% Cutting Efficiency)		33.2x60%=19.92kW	27.7x60%=16.62kW
	总运行成本 All Cost (按 1RM/kwh)		19.92+2.5=22.42 RM/h	16.62+10.2=26.82 RM/h

4000W	激光功率 Power Consumption	激光器 Laser power	12kW	12kW
		冷却机组 Water Chiller Group	6kW	6kW
		加热风机 Heat Machine	10kW	10kW
		除尘设备 Dust Exhausting Equipment	3kW	3kW
	辅助设备 Consumable Part	2.5 RM/h	2.5 RM/h	2.5 RM/h
		气体消耗 Gas Consumption	5.5kW	约 (About) 30 RM/h
		总电力消耗 Total Power	36.5kW	31kW
	平均功率 (取 60% 切割效率) Average Power Consumption (Take 60% Cutting Efficiency)		36.5x60%=21.9kW	31x60%=18.6kW
	总运行成本 All Cost (按 1RM/kwh)		21.9+2.5=24.4 RM/h	18.6+10.2=28.8 RM/h

6000W	激光功率 Power Consumption	激光器 Laser power	18kw	18kw
		冷却机组 Water Chiller Group	7.9kw	7.9kw
		加热风机 Heat Machine	10kw	10kw
		除尘设备 Dust Exhausting Equipment	3kw	3kw
	辅助设备 Consumable Part	2.5 RM/h	2.5 RM/h	2.5 RM/h
		气体消耗 Gas Consumption	6.5kw	约 (About) 30 RM/h
		总电力消耗 Total Power	44.4 kw	38.9 kw
	平均功率 (取 60% 切割效率) Average Power Consumption (Take 60% Cutting Efficiency)		44.4x60%=26.64 kw	38.9x60%=23.34 kw
	总运行成本 All Cost (按 1RM/kwh)		26.64+2.5=29.14 RM/h	23.34+10.2=33.54 RM/h

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光纤机使用成本分析 Cost Analysis

激光功率 Laser power	辅助功耗 Assisted gas Power Consumption	可选项一: Option I using air compressor Cutting Stainless steel	可选项二: Option II using O ₂ Cutting Stainless steel	可选项三: Option III using N ₂ Cutting Stainless steel
8000W	激光功率 Power Consumption	激光器 Laser power	24kw	24kw
		冷却机组 Water Chiller Group	10kw	10kw
		加热风机 Heat Machine	10kw	10kw
		除尘设备 Dust Exhausting Equipment	3kw	3kw
	辅助设备 Consumable Part	2.5 RM/h	2.5 RM/h	2.5 RM/h
		气体消耗 Gas Consumption	6.5kw	约 (About) 30RM/h
		总电力消耗 Total Power	53.5kw	47.5kw
	平均功率 (取 60% 切割效率) Average Power Consumption (Take 60% Cutting Efficiency)		53.5x60%=32.1kw	47x60%=28.2kw
	总运行成本 All Cost (按 1RM/kwh)		32.1+2.5=34.6 RM/h	28.2+10.2=38.4 RM/h

10000W	激光功率 Power Consumption	激光器 Laser power	30kw	30kw
		冷却机组 Water Chiller Group	10kw	10kw
		加热风机 Heat Machine	10kw	10kw
		除尘设备 Dust Exhausting Equipment	3kw	3kw
	辅助设备 Consumable Part	2.5 RM/h	2.5 RM/h	2.5 RM/h
		气体消耗 Gas Consumption	6.5kw	约 (About) 30 RM/h
		总电力消耗 Total Power	59.5 kw	53 kw
	平均功率 (取 60% 切割效率) Average Power Consumption (Take 60% Cutting Efficiency)		59.5x60%=35.7 kw	53x60%=31.8 kw
	总运行成本 All Cost (按 1RM/kwh)		35.7+2.5=38.2 RM/h	31.8+10.2=42 RM/h

12000W	激光功率 Power Consumption	激光器 Laser power	36kw	36kw
		冷却机组 Water Chiller Group	10kw	10kw
		加热风机 Heat Machine	10kw	10kw
		除尘设备 Dust Exhausting Equipment	3kw	3kw
	辅助设备 Consumable Part	2.5 RM/h	2.5 RM/h	2.5 RM/h
		气体消耗 Gas Consumption	6.5kw	约 (About) 30 RM/h
		总电力消耗 Total Power	65.5 kw	61 kw
	平均功率 (取 60% 切割效率) Average Power Consumption (Take 60% Cutting Efficiency)		65.5x60%=39.3 kw	61x60%=36.6 kw
	总运行成本 All Cost (按 1RM/kwh)		39.3+2.5=41.8 RM/h	36.6+10.2=46.8 RM/h

16000W	激光功率 Power Consumption	激光器 Laser power	45kw	45kw
		冷却机组 Water Chiller Group	15kw	15kw
		加热风机 Heat Machine	10kw	10kw
		除尘设备 Dust Exhausting Equipment	3kw	3kw
	辅助设备 Consumable Part	2.5 RM/h	2.5 RM/h	2.5 RM/h
		气体消耗 Gas Consumption	6.5kw	约 (About) 30 RM/h
		总电力消耗 Total Power	79.5 kw	73 kw
	平均功率 (取 60% 切割效率) Average Power Consumption (Take 60% Cutting Efficiency)		79.5x60%=47.7 kw	73x60%=43.8 kw
	总运行成本 All Cost (按 1RM/kwh)		47.7+2.5=50.2 RM/h	43.8+10.2=54 RM/h

20000W	激光功率 Power Consumption	激光器 Laser power	60kw	60kw
		冷却机组 Water Chiller Group	20kw	20kw
		加热风机 Heat Machine	15kw	15kw
		除尘设备 Dust Exhausting Equipment	3kw	3kw
	辅助设备 Consumable Part	2.5 RM/h	2.5 RM/h	2.5 RM/h
		气体消耗 Gas Consumption	6.5kw	约 (About) 30 RM/h
		总电力消耗 Total Power	100.5kw	95 kw
	平均功率 (取 60% 切割效率) Average Power Consumption (Take 60% Cutting Efficiency)		100.5x60%=60.3kw	95x60%=57.5kw
	总运行成本 All Cost (按 1RM/kwh)		60.3+2.5=62.8 RM/h	57.5+10.2=67.7 RM/h

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