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# JQLASER

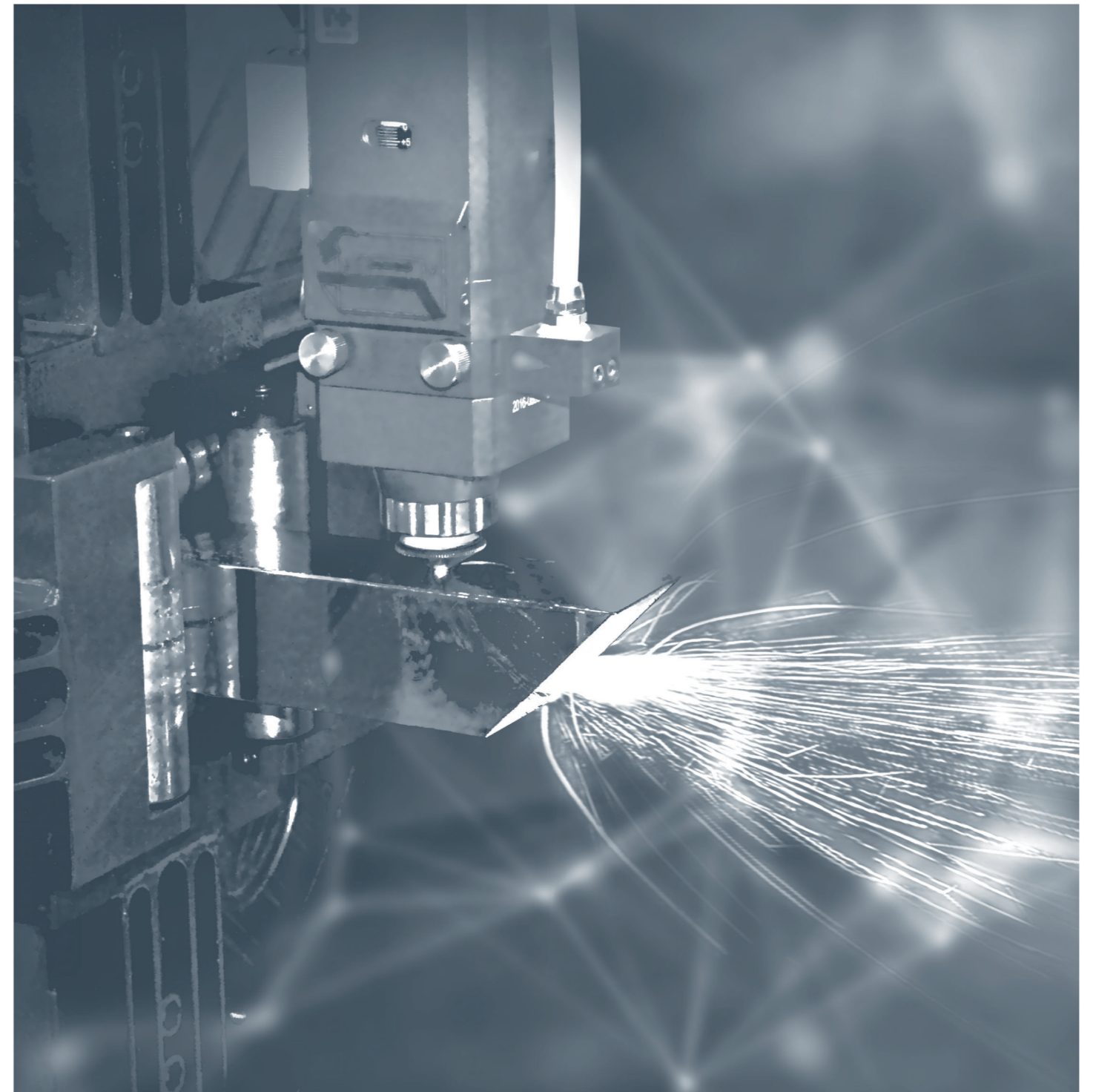
## 光纤激光切割解决方案

### FIBER LASER CUTTING SOLUTION



# JQLASER

注：本册中出现的图片和参数仅供参考。  
Note: The pictures and parameters in this book are only for reference.





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Metal Sheet Fiber Laser Cutting Machine

# 主要配置 / Main Configuration



激光器 IPG



切割头 Precitec

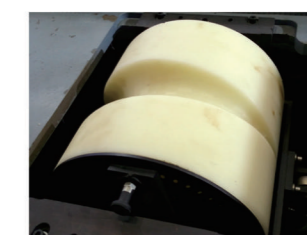


系统 PA+Lantek

▶ 机床，自动上下料  
Machine Base, Automatic Loader and Unloader



▶ 前后气动卡盘，变径轮支撑  
Pneumatic Front and Rear Chucks, Pneumatic holder





全自动激光切管机 ◀

FLT-8020F Fully-automatic Fiber Laser Tube Cutting Machine



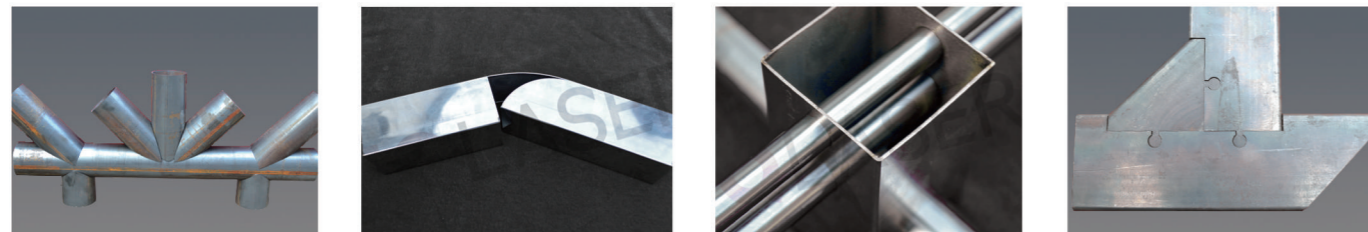
摆头  
3D cutting  
(选配1/option1)



防护外罩  
protect cover  
(选配2/option2)

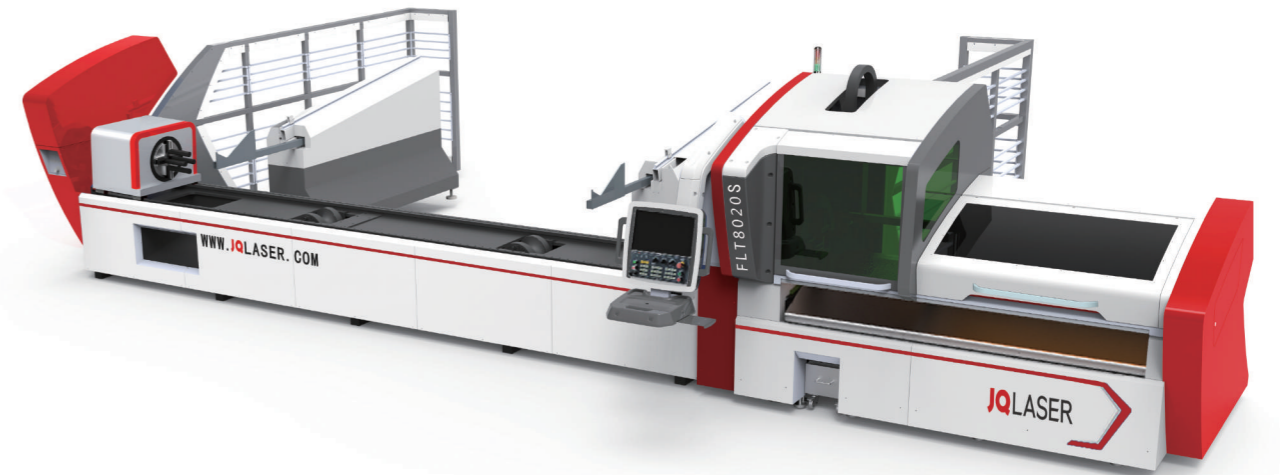
技术参数 Technical Parameter

机器型号 Machine model	FLT-8020F
管材加工尺寸 Tube cutting size	φ 20mm-200mm (0.79''-7.87''), 6m / 8m / 10m (20'/26'/33')
激光功率 Laser power	Fiber 1000W / 2000W / 3000W / 4000W
定位精度 X, Y axis positioning accuracy	±0.03mm
加速度 Acceleration	1.2G
最大移动速度 Max. moving speed	100m/min
电压需求 Voltage	380V, 50Hz/60Hz
可选 option	摆头切割 5-axis



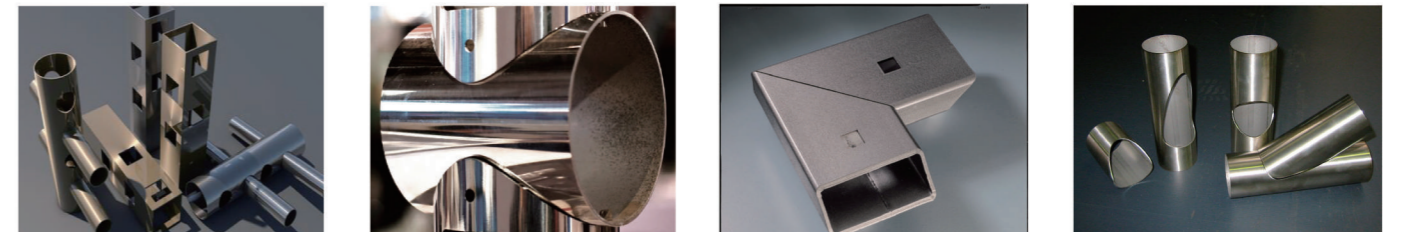
▶ 半自动激光切管机

Automatic Fiber Laser Tube Cutting Machine FLT-8020S



技术参数 Technical Parameter

机器型号 Machine model	FLT-8020S
管材加工尺寸 Tube cutting size	φ 20mm-200mm (0.79''-7.87''), 6m / 8m / 10m (20'/26'/33')
激光功率 Laser power	Fiber 1000W / 2000W / 3000W / 4000W
定位精度 X, Y axis positioning accuracy	±0.03mm
加速度 Acceleration	1.2G
最大移动速度 Max. moving speed	100m/min
电压需求 Voltage	380V, 50Hz/60Hz



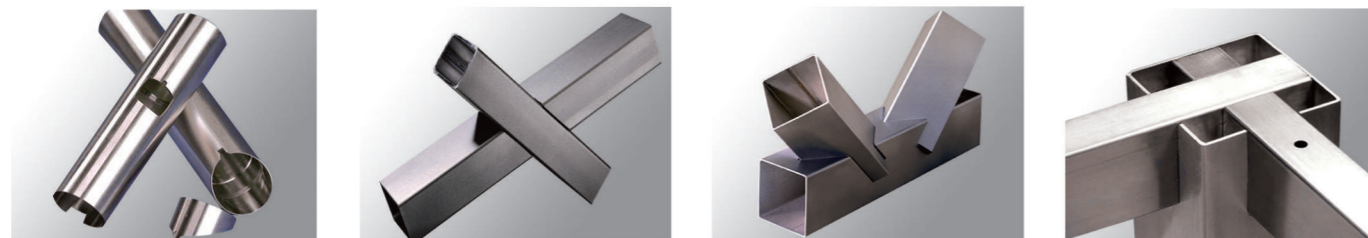
通用自动上料切管机 ◀

FLT-6020EN Auto-feeding Fiber Laser Tube Cutting Machine



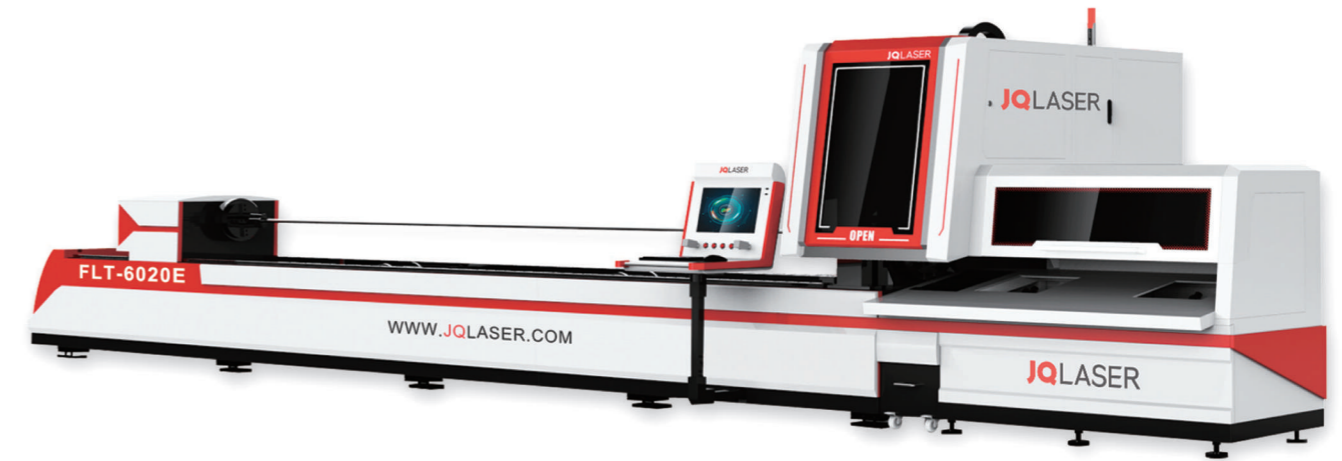
技术参数 Technical Parameter

机器型号 Machine model	FLT-6020EN
管材加工尺寸 Tube cutting size	$\phi$ : 12mm-220mm(0.47''-8.66'') L : 6m / 8m(20'/26')
激光功率 Laser power	Fiber 1000W / 2000W / 3000W
定位精度 X, Y, Z axis positioning accuracy	$\pm 0.03$ mm
加速度 Acceleration	0.8G
最大移动速度 Max. moving speed	80m/min
电压需求 Voltage	380V, 50Hz/60Hz



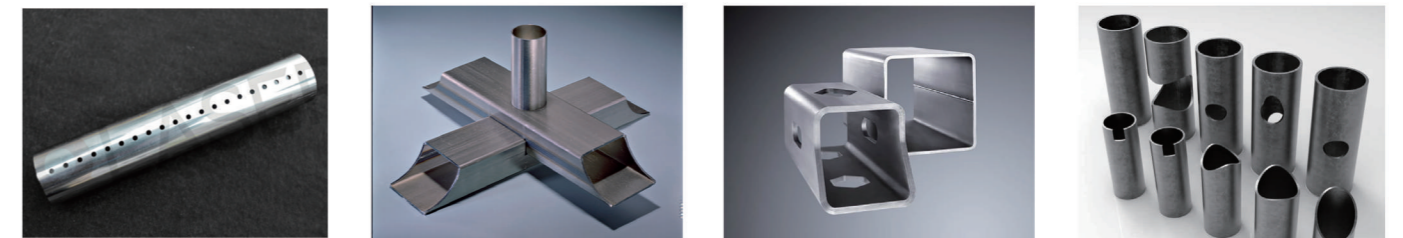
▶ 通用型激光切管机

E-series Fiber Laser Tube Cutting Machine FLT-6020E

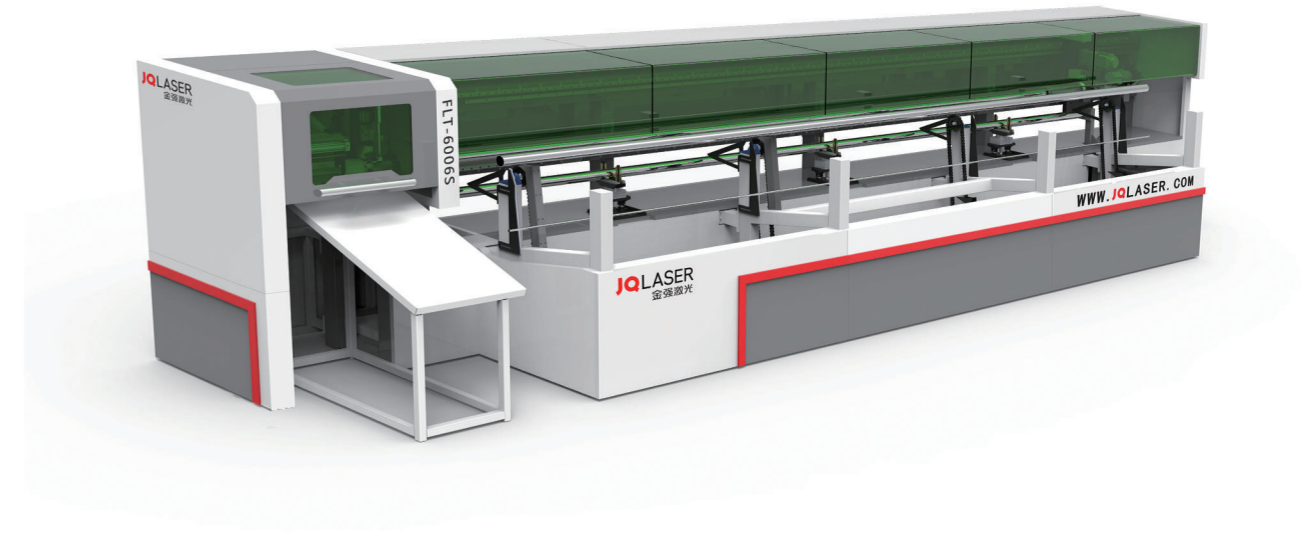


技术参数 Technical Parameter

机器型号 Machine model	FLT-6020E
管材加工尺寸 Tube cutting working area	$\phi$ 20mm-200mm(0.79''-7.87''), 6m / 8m(20'/26')
激光功率 Laser power	Fiber 1000W / 2000W / 3000W
定位精度 X, Y axis positioning accuracy	$\pm 0.03$ mm
加速度 Acceleration	0.8G
最大移动速度 Max. moving speed	80m/min
电压需求 Electricity requirements	380V, 50Hz/60Hz

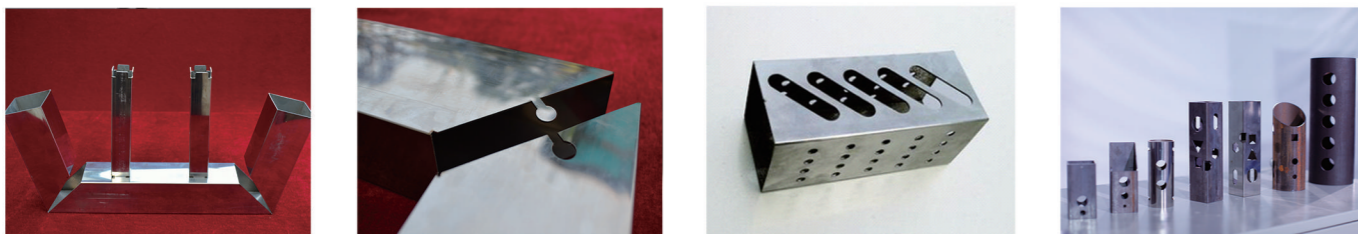






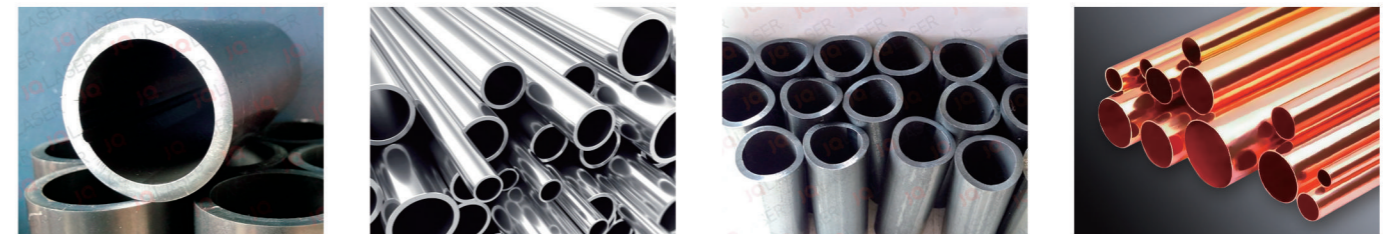
技术参数 Technical Parameter

机器型号 Machine model	FLT-6016L
管材加工尺寸 Tube cutting size	Φ16mm-Φ160mm, L=6000mm
X, Y最大加速度 X, Y axis max acceleration	0.7G
X, Y轴定位精度 X, Y axis positioning accuracy	±0.05mm/m
最大移动速度 Max. moving speed	60m/min
尾料长度 Tailings length	≥70mm (根据具体管材会有不同)
电压/功率 Voltage/Power	380V/50HZ / 14KW (1kw)



技术参数 Technical Parameter

机器型号 Machine model	FLT-6006S
管材加工尺寸 Tube cutting working area	Φ12mm-φ60mm, L=6000mm
卡盘最大转速 Max. turning speed	60r/min
X, Y轴定位精度 X, Y axis positioning accuracy	±0.03mm/m
最大移动速度 Max. moving speed	60m/min
尾料长度 Tailings length	≥35mm (根据具体管材会有不同)
电压/功率 Voltage/Power	380V/50HZ / 10KW





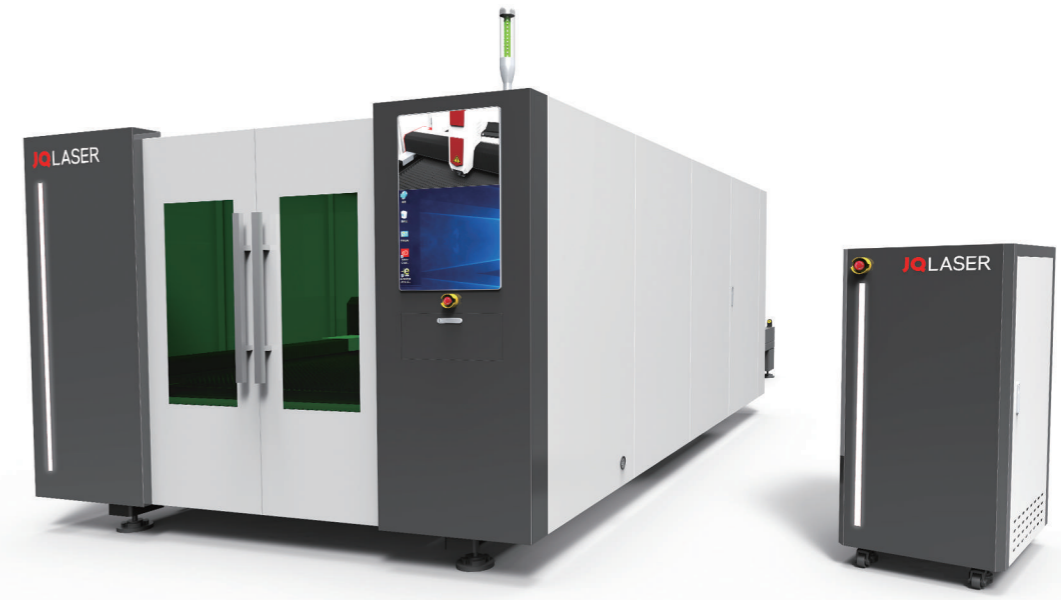
## 重型高功率激光切割机 ◀

JQ-2040H Heavy Duty Fiber Laser Cutting Machine



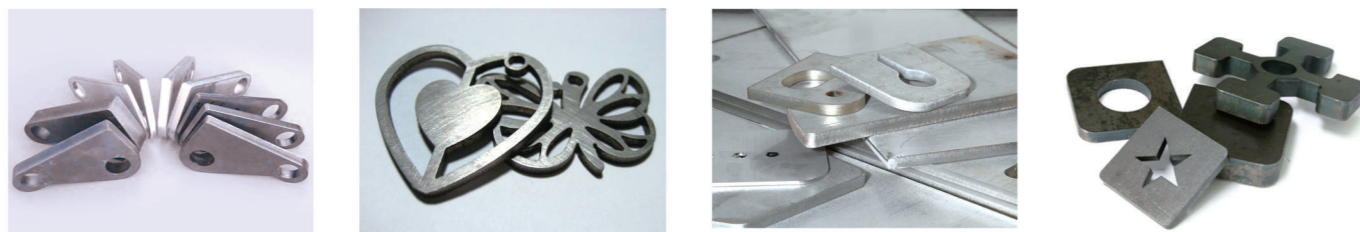
## ▶ 交换平台激光切板机

Pallet Changer Fiber Laser Sheet Cutting Machine JQ1530AP



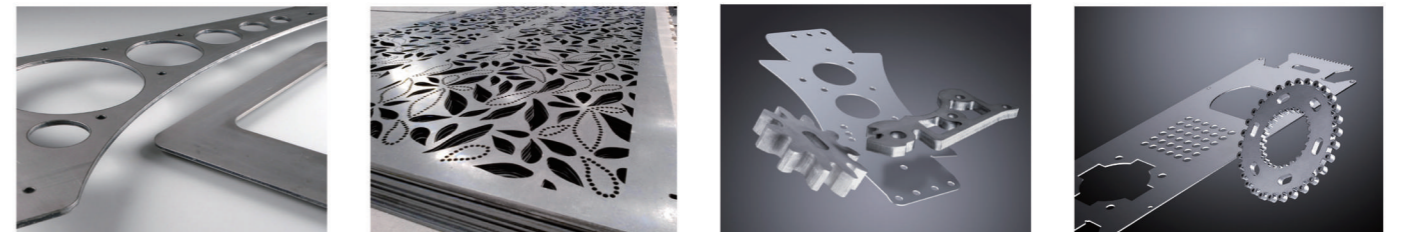
### 技术参数 Technical Parameter

机器型号 Machine model	JQ2040H / JQ2060H
加工尺寸 Cutting size	JQ2040 : 2000mm×4000mm (79'×157') JQ2060 : 2000mm×6000mm (79'×236')
激光功率 Laser power	Fiber 4000W / 6000W / 8000W
定位精度 X, Y axis positioning accuracy	±0.03mm
加速度 Acceleration	1.2G
最大移动速度 Max. moving speed	120m/min
电压需求 Electricity requirements	380V, 50Hz/60Hz
平台承重 Load of worktable	1500kg

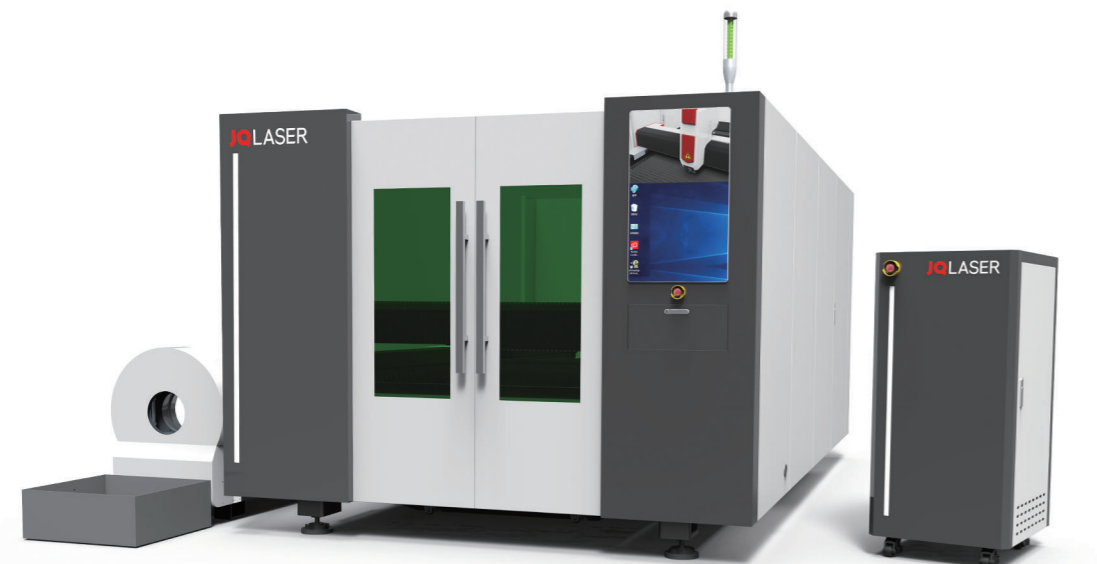


### 技术参数 Technical Parameter

机器型号 Machine model	JQ1530AP / JQ2040AP
加工尺寸 Cutting size	JQ1530: 1500mm×3000mm (59'×118') JQ2040: 2000mm×4000mm (79'×157')
激光功率 Laser power	Fiber 1000W / 2000W / 3000W
定位精度 X, Y axis positioning accuracy	±0.03mm
加速度 Acceleration	1.2G
最大移动速度 Max. moving speed	100m/min
电压需求 Electricity requirements	380V, 50Hz/60Hz
平台承重 Load of worktable	1000kg

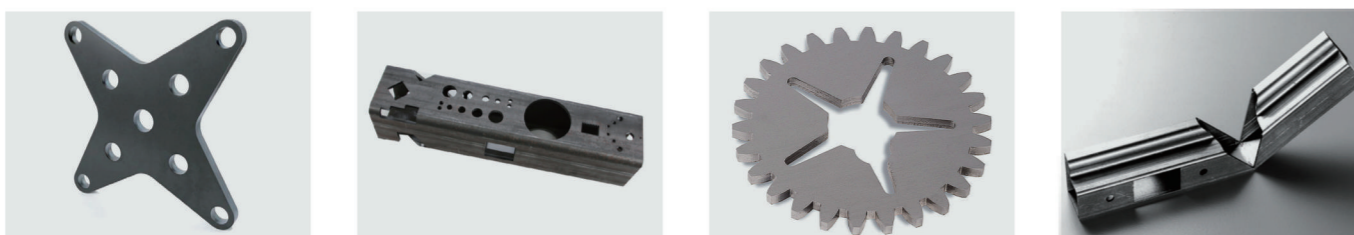






技术参数 Technical Parameter

机器型号 Machine model	JQ1530CP
管材加工尺寸 Tube cutting size	$\phi$ : 12mm-220mm (0.47''-8.66''), L ≤ 6m (20')
板材加工尺寸 Sheet cutting size	1500mm×3000mm (59''×118'')
激光功率 Laser power	Fiber 1000W / 2000W / 3000W
定位精度 X, Y axis positioning accuracy	±0.03mm
加速度 Acceleration	1.2G
最大移动速度 Max. moving speed	100m/min
电压需求 Voltage	380V, 50Hz/60Hz



技术参数 Technical Parameter

机器型号 Machine model	JQ1530C
管材加工尺寸 Tube cutting size	$\phi$ : 12mm-220mm (0.47''-8.66''), L ≤ 6m (20')
板材加工尺寸 Sheet cutting size	1500mm×3000mm (59''×118'')
激光功率 Laser power	Fiber 1000W / 2000W / 3000W
定位精度 X, Y axis positioning accuracy	±0.03mm
加速度 Acceleration	1.2G
最大移动速度 Max. moving speed	100m/min
电压需求 Voltage	380V, 50Hz/60Hz





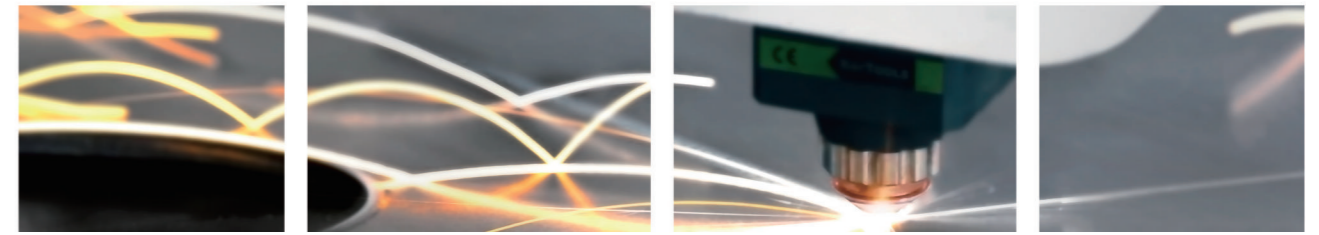


技术参数 Technical Parameter

机器型号 Machine model	JQ1530E
加工尺寸 Cutting size	1500mm×3000mm (59''×118'')
激光功率 Laser power	Fiber 1000W / 2000W / 3000W
定位精度 X, Y axis positioning accuracy	±0.03mm
加速度 Acceleration	1.0G
最大移动速度 Max. moving speed	80m/min
电压需求 Electricity requirements	380V, 50Hz/60Hz
平台承重 Load of worktable	1000kg



## 加工优势 / Laser Process Advantages



### 低成本高效益制造

激光加工可在多个方面优化加工流程。穿孔和复杂切割仅需一个工序就可完成。此外，可以实现将管材切割为多个部分。优化管加工的方案能够最大限度减少下面的工序，如去毛刺，焊接和组装。中间阶段所需要的资源，如存储和处理部分也要低的多，因此，可以加速加工流程，并显著降低使用传统工具进行锯切，钻孔和铣削的生产方法的成本。

Manufacturing with greater cost efficiency.

The laser optimizes your manufacturing process in several ways. In a single operation you can create perforations and complex contours. In addition, tubes can be cut into sections. This enables innovative design solutions that minimize downstream tasks such as deburring, welding and assembly. The resources required for intermediate stages such as storage and part handling are also much lower. As a result, you can speed up your process and significantly reduce costs per part over production methods that use conventional tools for sawing, drilling and milling.

### 传统切割工艺和激光切割工艺的对比

Comparison of operations required in laser tube cutting and conventional methods.

