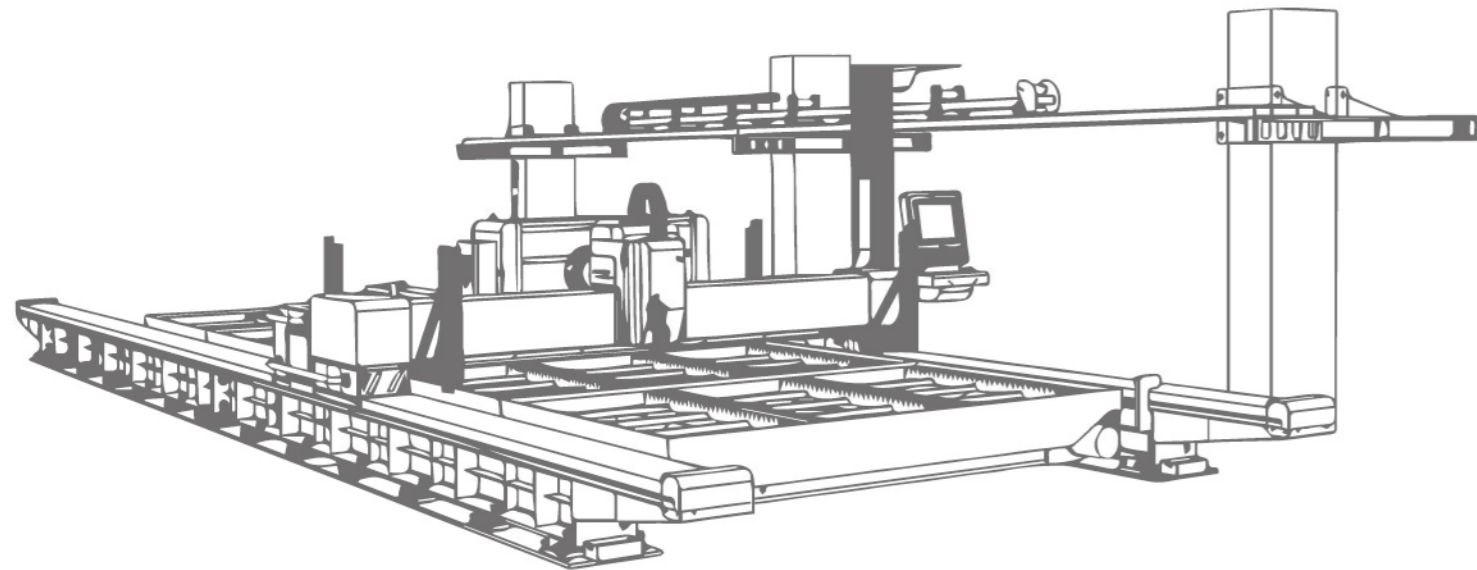


LASER CUTTING

HIGH SPEED | HIGH QUALITY | HIGH INTELLIGENCE

激光切割系列

LASER CUTTING SERIES



www.bodacnc.com



/ 博大数控 / BODACNC

BDLC series
3015/4020/6020

CNC Fiber Laser Cutting Machine
数控光纤激光切割机

产品概述 | DESCRIPTION

BDLC系列光纤激光切割机是博大数控一款达国内先进水平的切割机产品。该产品由激光器、控制系统、运动系统、冷却系统等系统组成，系统多轴联动，激光功率随速调节。该系列产品具有切割质量好、切割速度快、运行成本低、稳定性好、适应能力强等优势。

BDLC series fiber laser cutting machine is a product which reaching advanced level in China. The machine is made up of fiber laser, CNC system, moving system, cooling system, etc. CNC system with Multi-axis linkage control and laser power can be adjusted by speed. This series of products has the advantages of good cutting quality, high cutting speed, low operating cost, good stability and strong adaptability.

高速度
HIGH SPEED

高质量
HIGH QUALITY

高效率
HIGH EFFICIENCY

技术参数 | TECHNICAL PARAMETERS

		3015	4020	6020
切割范围 X	Working area X	3050mm	4050mm	6050mm
Y	Y	1525mm	2025mm	2025mm
Z	Z	100mm	100mm	100mm
X/Y联动速度	X/Y linkage speed	70m/min	70m/min	70m/min
X/Y轴定位精度	X/Y positioning accuracy	±0.03mm/m	±0.03mm/m	±0.03mm/m
X/Y轴重复定位精度	X/Y repeat positioning accuracy	±0.02mm/m	±0.02mm/m	±0.02mm/m
加速度	Acceleration	1G	1G	1G

JIANGSU BODA NC COMPLETE EQUIPMENT CO.,LTD.

江苏省江阴市璜土镇石庄新颜东路7号
N0.7 Xinyan East Road, Shizhuang District, Huangtu Town, Jiangyin, Jiangsu, China.

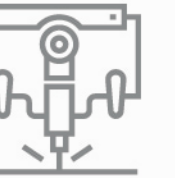
电话Tel: +86-510-8665 9111 | 传真Fax: +86-510-8605 8600 | Email: boda@bodacnc.com

24小时售后服务热线 24-hour service hotline 139 0611 0371 / 138 0150 2230 www.bodacnc.com

企业二维码

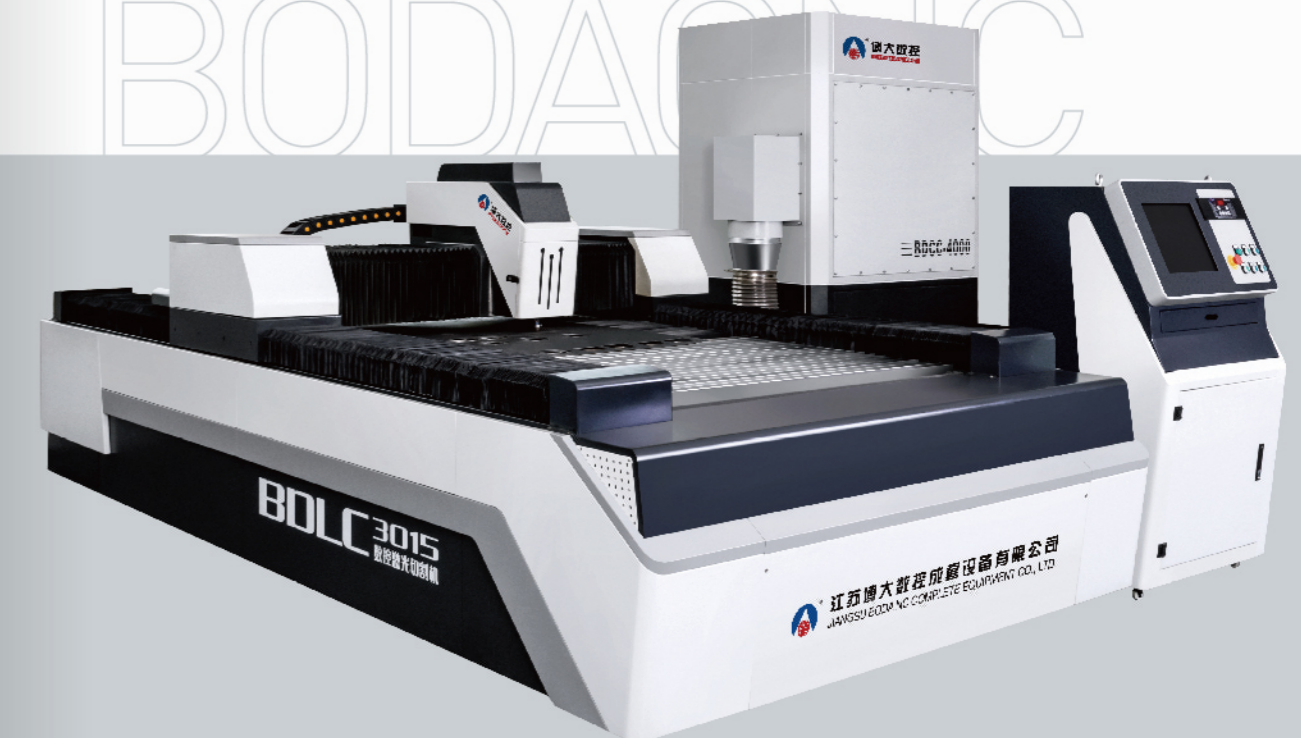


微信公众号



CNC
Fiber Laser Cutting Machine

BODACNC



BDLC series
4000S/4500S/5000S
5500S/6000S

New Generation CNC
Gantry Style Laser Cutting Machine
新一代数控龙门高速激光切割机

LASER
CUTTING

HIGH SPEED | HIGH QUALITY | HIGH INTELLIGENCE

LASER
CUTTING



加工最大长度21米，加工宽度2.9-4.9米，可适用两张材料交换切割
The processing has a maximum length of 21 meters and a processing width of 2.9-4.9 meters. It can be used for two material exchange cutting.



纵向采用直线式路轨双边驱动系统，加强了机器运行时的精确性和稳定性
Longitudinal liner rail with double sides drive system which enhances the precision and stability of machine running.



超大型的加工台面，适用于不同长度宽度的大型板材切割
Super large processing table, suitable for the big plate cutting with different length and width.



床身和工作台为独立机构，床身整体回火、去应力，床身受热变形小，影响精度小
The machine bed and cutting table are independent structure. The whole machine bed is tempered and stress-free, the thermal deformation of the bed and precision influence are very small.



床身构造简洁轻巧，故障率低，维护方便快捷
The bed structure is simple and light, the probability of failure is low, and the maintenance is convenient and fast.

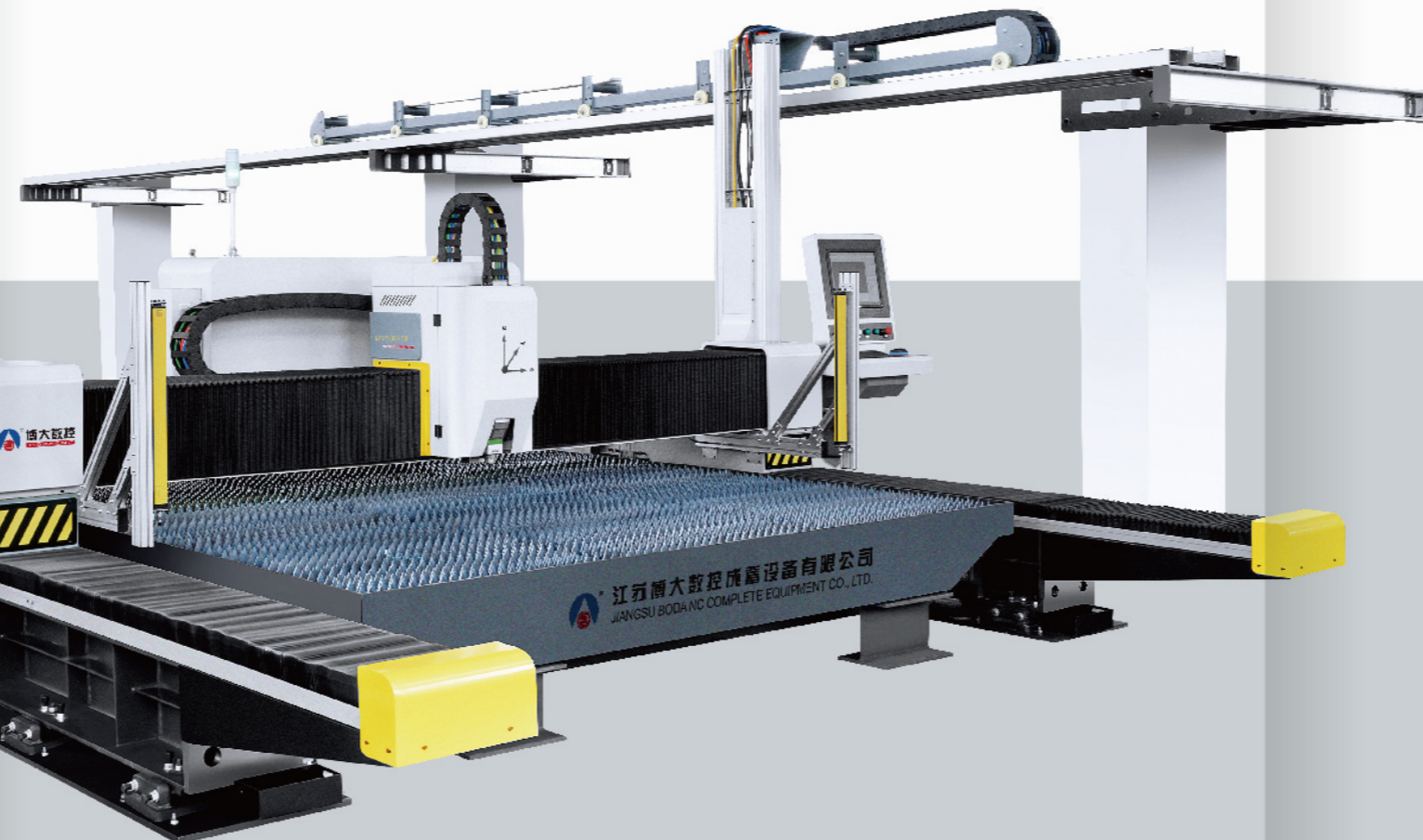


在纵向导轨运行轨迹正负方向采用安全光幕，有效的确保操作人员的安全问题
The positive and negative directions of longitudinal guide track adopt safety light curtain to effectively ensure the safety of operators.

产品概述 | DESCRIPTION

BDLC系列龙门激光切割机是一款大幅面数控龙门高速激光切割机。超大型的加工台面，适用于不同长度宽度的大型板材切割。主要应用于机械、造船、机车、压力容器等行业，主要针对3MM-35MM内的薄板及中厚板行业的下料切割。

BDLC series laser cutting machine is a large format CNC gantry style high speed laser cutting machine. Super large processing table is suitable for the big plate cutting with different length and width. It is mainly used in many industries such as machinery, shipyard, locomotive, pressure vessel, etc. and mainly used for the cutting of thin, medium and thick plate with 3mm-35mm.



基本配置 | BASIC CONFIGURATION

项目 Item	品牌型号 Brands and models
主机 Machine Model	BDLC 4000S/4500S/5000S/5500S/6000S
精密齿轮齿条 Precision rack and pinion	台湾 YYC/德国亚特兰大 YYC,Taiwan/Atlanta,Germany
精密行星减速机 High Precision Planetary Reducer	日本新宝/德国阿尔法 Shimpo,Japan/Alpha,Germany
精密直线导轨 Precision liner guide	台湾上银/银泰/日本THK Hiwin/Pmi,Taiwan/THK,Japan
激光切割头 Laser cutting head	嘉强/万顺兴/Precitec Empower/WSX/Precitec
控制系统带激光切割专用套科软件 CNC with special nesting software for laser cutting	上海柏楚/德国倍福/意大利ESA Friendess,Shanghai/Beckhoff,Germany/ESA,Italy
伺服电机 Servo motor	松下/安川/倍福 Japan Panasonic/Yaskawa/Beckhoff,Germany
床身、控制柜、操作台 Machine body、CNC control cabinet、Operation desk	博大 BODA
激光发生器 Laser generator	锐科/创鑫/IPG/TRUMPF Raycus/Maxphotonics/IPG/TRUMPF
激光器功率 Laser power	2KW/3KW/4KW/6KW/8KW/10KW/12KW
循环冷水机组 Circulating water-cooled chillers	同飞制冷 Tongfei Refrigeration
辅助气体控制系统 Auxiliary gas control system	博大 BODA

建议切割厚度 | SUGGEST CUTTING THICKNESS

光纤激光器功率 Fiber laser power	中碳钢 Mild steel	不锈钢 Stainless steel
2000W	16mm	8mm
3000W	18mm	10mm
4000W	20mm	12mm
6000W	22mm	20mm
8000W	25mm	25mm
10000W	30mm	30mm
12000W	35mm	35mm

技术参数 | TECHNICAL PARAMETERS

轨距 Track width (mm)	有效行程 Effective stroke (mm)	快速定位速度 Fast positioning speed (m/min)	定位精度 Positioning accuracy (mm/m)	重复定位精度 Repeat positioning accuracy (mm/m)
4000mm	2900mm	42m/min	±0.03mm/m	±0.03mm/m
4500mm	3400mm	42m/min	±0.03mm/m	±0.03mm/m
5000mm	3900mm	42m/min	±0.03mm/m	±0.03mm/m
5500mm	4400mm	42m/min	±0.03mm/m	±0.03mm/m
6000mm	4900mm	42m/min	±0.03mm/m	±0.03mm/m