



吉林省永利激光科技有限公司
Jilin Yongli Laser Technology Co., Ltd.

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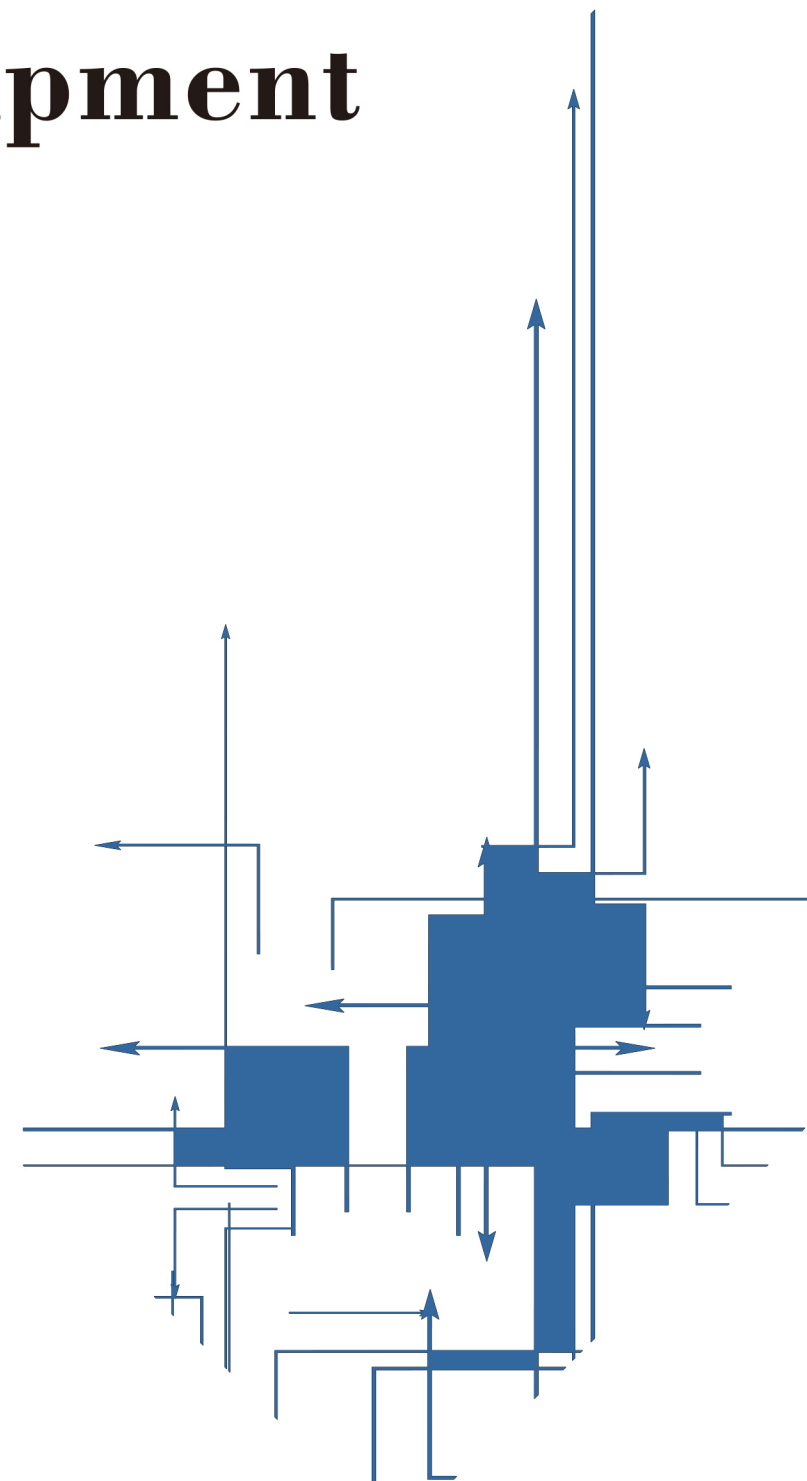
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Expert of Laser Equipment

Reputable manufacturing
expert of LASER equipment

吉林省永利激光科技有限公司
Jilin Yongli Laser Technology Co., Ltd.



CONTENTS 目录

永利激光 Yongli Laser

- 01 企业文化
Corporate Culture
- 02 关于我们
About Us

产品介绍 Products

- 04 As 系列 CO₂ 激光管
As series CO₂ Laser Tube
- 06 H 系列 CO₂ 激光管
H series CO₂ Laser Tube
- 08 T 系列 CO₂ 激光管
T series CO₂ Laser Tube
- 09 B 系列 CO₂ 激光管
B series CO₂ Laser Tube
- 10 DLT 系列合束 CO₂ 激光器
DLT Series Beam Combined CO₂ Laser
- 12 射频 CO₂ 激光器
RF CO₂ Laser

激光配件 Laser Accessories

- 13 激光电源
Laser Power Supply

- 14 激光功率计
Laser Power Meter
- 15 万向传输激光系统
Articulating Laser Arm
- 16 高压接头
High Voltage Connector
激光管支架
Laser Tube Bracket

- 17 红光指示
Red Light Indicator
激光镜片
Mirrors & Lenses

应用案例 Applications

- 18 缝纫系列专用型号 SEW-2 / SEW-4
Special Models for Sewing Series SEW-2 / SEW-4
- 19 喷码打标系列 A4s-SF
Marking and Coding Series A4s-SF
- 20 医疗系列 M4 M8 M9 M10
Medical Series M4 M8 M9 M10

YONGLI 企业文化



发展目标

Development Goal

传承
Inheritance

创新
Innovation

发展
Development



市场定位

Market Positioning

世界的永利
工程师中的商人
World's Yongli
A Businessman

Among
Engineers



经营理念

Management Idea

至专
Professional

至诚
Sincerity

致远
Growth

专业激光器件品牌智造者

Reputable manufacturing expert of **LASER** equipment

ABOUT US

关于我们

吉林省永利激光科技有限公司成立于 2005 年 6 月，是集激光、光电系列产品的研发、生产、销售、服务于一体的综合性激光器件、设备制造商，被认定为国家级高新技术企业、吉林省“专精特新”中小企业、吉林省级企业技术中心。公司采用垂直整合战略，从产品研发入手，掌握多项核心技术，拥有持续发展的优势。公司有能力为激光整机设备集成商提供产品定制化服务及成套解决方案。公司两大生产基地均建有光学无尘生产车间，产品线涵盖光纤激光器、射频激光器、二氧化碳激光器、相应配件及集成设备。广泛应用于工业加工、医疗、科研等领域。

公司为中国光学学会激光分会理事单位、中国光学学会激光加工专业委员会委员、长春市民营企业协会副会长单位、吉林省科技“小巨人”企业、长春市百户专精特新中小企业、长春新区科技创新企业十强。公司拥有独立的进出口权，主营产品通过了 ISO9001:2015 质量体系、CE、FCC、FDA、REACH、ROHS、MSDS 等国际认证。

公司于 2007 年设立研发中心，是以研究员、高级工程师带队的创新团队，拥有领先的激光器件科研成果，具有长期开展光电子激光技术研究的工作基础，在激光器件研究开发领域具有雄厚的技术实力，承担过省、市多项重要研究课题。同时与大学建立产学研合作，并联合成立建设“吉林省先进激光技术科技创新中心”。公司全部产品均为自主研发，其中多项技术为国内首创、国际领先，现已获得国家授权专利 67 项。

公司总部位于长春新区，在迪拜、济南、聊城、苏州、广州、东莞等地区设有办事处和分支机构，在墨西哥设有海外仓，在加拿大、美国、韩国、印度、巴西等地设有国际代理商，产品出口至世界 88 个国家和地区，注册商标 50 个国家。公司与美国贰陆公司签订长期战略合作伙伴，国内外近千家大型激光整机生产厂家稳定核心供应商，产品品质和服务均获得客户认可。

永利以品质、服务、创新为经营之道，以放心、省心、安心、共赢为合作之道，坚持做一家有专业技术、有企业文化、有责任担当的企业，争做激光器行业民族领先品牌。



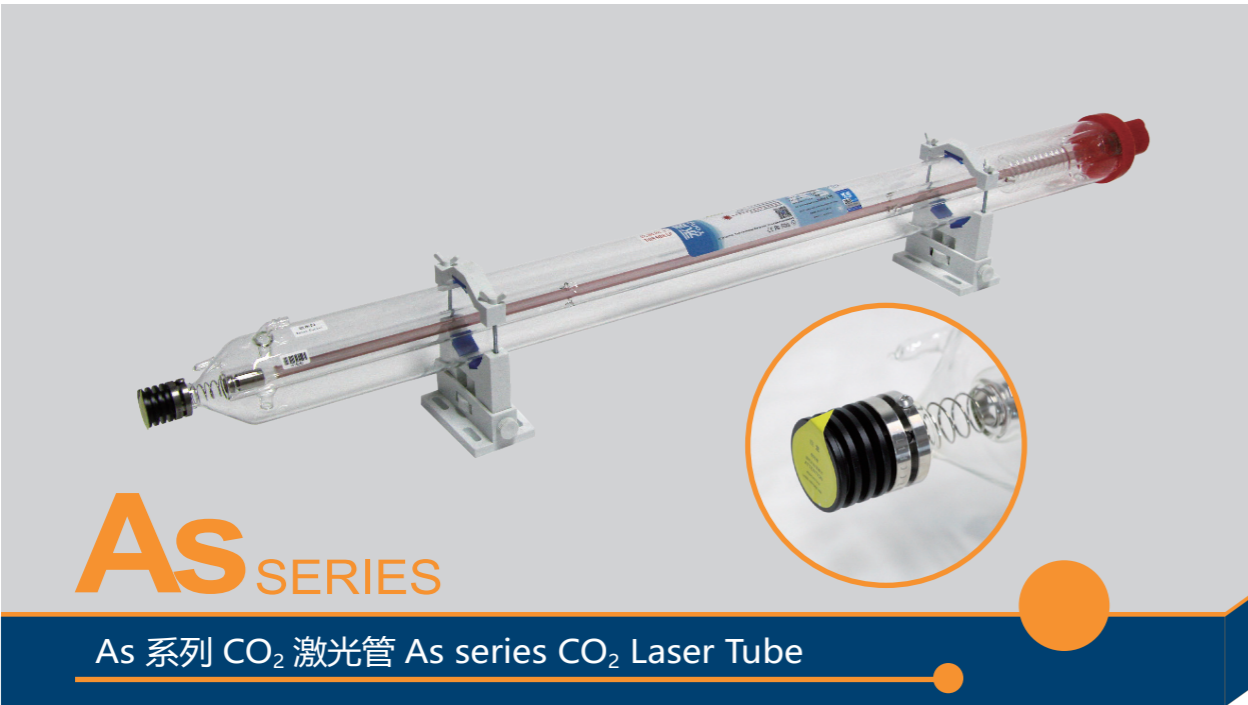
Jilin Yongli Laser Technology Co., Ltd. was established in June 2005, who is a comprehensive laser device and equipment manufacturer, a company that collects R&D, manufacturing, sales and services departments of laser and photoelectric series products. Be honored as “National High-tech Enterprise”, “Jilin specialized, refined, differential and innovated small and medium enterprises”, “Jilin Province-Class Enterprise Technical Center”. Yongli adopts the vertical and integration strategy, starting from R&D, mastering multiple core technologies, and owning sustainable competitive advantages. It also provides the customized services and entire solutions for laser equipment integrators. The Optical dust-free production workshop is available in the two manufacturing bases. The production line includes fiber laser, RF laser and carbon dioxide laser tube. It is honored as the Laser Committee member of the Chinese Optical Society, the member of the Chinese Optical Society Laser Processing Committee, Vice President Unit of Changchun Private Enterprise Association, Jilin Province Science and Technology “Little Giant” Enterprise, Changchun city Top 100 medium-sized enterprises, Top Ten Private Enterprises in New District of Changchun city. Yongli has the independent permit of import and export, and the main products have passed ISO9001:2015 quality system, and own CE, FCC, FDA, REACH, ROHS, MSDS certificates.

Yongli is the unique laser manufacturing base in Northeast China. The R&D center was founded in 2007. The innovation team is led by researchers and senior engineers with advanced laser achievements of scientific research, possessing a long-term working condition on optoelectronic laser technology research, having a strong technical strength in the field of laser device research and development, and was responsible for fulfilling important provincial or city level research projects. Yongli has established the cooperation relationships with Jilin University and Changchun University of Science and Technology for study and research. Yongli jointly built “Jilin Provincial Science and Technology Innovation Center of Advanced Laser Technology” with Jilin Sunlite Laser Technology Co., Ltd. and Changchun University of Science and Technology. All products are from own independent R&D, and many technologies are domestic initiative and leading the world. Yongli has obtained 67 national authorized patents.

The headquarter is located in the Changchun city, and also set up the offices and branches in Dubai, Jinan, Liaocheng, Suzhou, Guangzhou and Dongguan. Yongli has established the overseas warehouse in Mexico, and agents in Canada, USA, Korea, India, Brazil, etc. The products have been exported to 88 countries and regions, and the trademark has been registered in 50 countries. The company is a long-term strategic partner with the US II-VI Corporation. Yongli laser has become the core stable suppliers of hundreds of large-scale laser machine manufacturer in China, such as Han's laser. The product quality is widely recognized by customers.

Yongli focuses on “quality, service, and innovation” as its management ideas, “rest assured, worry free, peace of mind and win-win” as its cooperation way. It insists on being an enterprise with professional technology, company culture, and responsibility, and becoming the first brand in the laser industry.





产品介绍 Introduction

该系列产品为我公司自有专利技术，采用物理方法对输出光斑直径及质量进行有效修正，提升功率的同时解决光斑模式变化的问题。腔内镜片升级，采用与美国II - VI公司合作开发的进口镜片，光斑模式好。采用国际新催化技术提升膜层牢固及催化还原性能，长时间工作稳定，寿命更长。A6s、A8s 针对薄金属及非金属厚板材，具有更好的切割效果。

This series of products is our own patented technology, which uses physical methods to effectively modify the diameter and quality of laser beam. improved the power and solved the problem of beam spot distortion at the same time. The inner lens was upgraded, and the imported lens developed in cooperation with the US II - VI corporation were adopted with good spot mode. New international catalytic technology is adopted to improve the firmness of the coating and catalytic reduction performance, stable operation for a long time and longer service life. A6s and A8s have better cutting effect for thin metal and non-metal thick plates.

产品参数 Technical Parameter

型号 Model	长度 Length (mm)	额定功率 Rated Power (W)	最大功率 Max. Power(W)	外径 Dia. (mm)	水冷角度 Angles Between Water Inlet & outlet	起辉电压 Ignition Voltage(kV)	最大工作电流 Max Working Current(mA)	建议工作电流 Recommend Working Current(mA)	催化剂 Catalyst	功率不稳定性 Power Instability(%)	用途 Application	质保期 Warranty (M)
A0s	600	28	35	Φ80±2	180°	12	20	16	yes	≤ 5	切割 / 雕刻 Cutting/Engraving	6
A1s	1100	75	90	Φ80±2	180°	20	22	18	yes	≤ 5	切割 / 雕刻 Cutting/Engraving	10
A2s	1250	90	100	Φ80±2	180°	23	26	21	yes	≤ 5	切割 / 雕刻 Cutting/Engraving	12
A4s	1450	100	130	Φ80±2	180°	26	28	22	yes	≤ 5	切割 Cutting	12
A6s	1650	130	160	Φ80±2	180°	30	30	24	yes	≤ 5	切割 Cutting	12
A8s	1850	150	180	Φ80±2	180°	32	35	28	yes	≤ 5	切割 Cutting	12

产品特点 Characteristic

- 光斑模式优良，工艺优化，特殊定制，参数匹配，II - VI 镜片保证了光学性能稳定
- Excellent beam spot, optimized technology, customized parts, accurate parameter matching, II - VI lenses ensure stable optical performance
- 采用德国管材制作的激光管腔体稳定性更好
- The German-made laser tube cavity provides better stability
- 采用自有专利的高压接头，产品更安全，防护性好，避免潮湿环境的漏电、打火
- With our own patented high-voltage connector, the laser tube will be much safer in humid environments to avoid electric leakage and HV sparks
- 采用统一工艺，实现产品一致性，特殊的技术保证激光输出指向的一致性
- The uniform process is adopted to achieve product consistency, and the specific technology ensures the consistency of laser output pointing
- 激光管采用全金属头结构设计，便于客户安装使用安全性更好
- The metal-head structure offers convenient installation and safety in use

应用案例 Application



喷码打标
Coding & Marking



切割雕刻
Cutting & Engraving



精密雕刻
Precision engraving



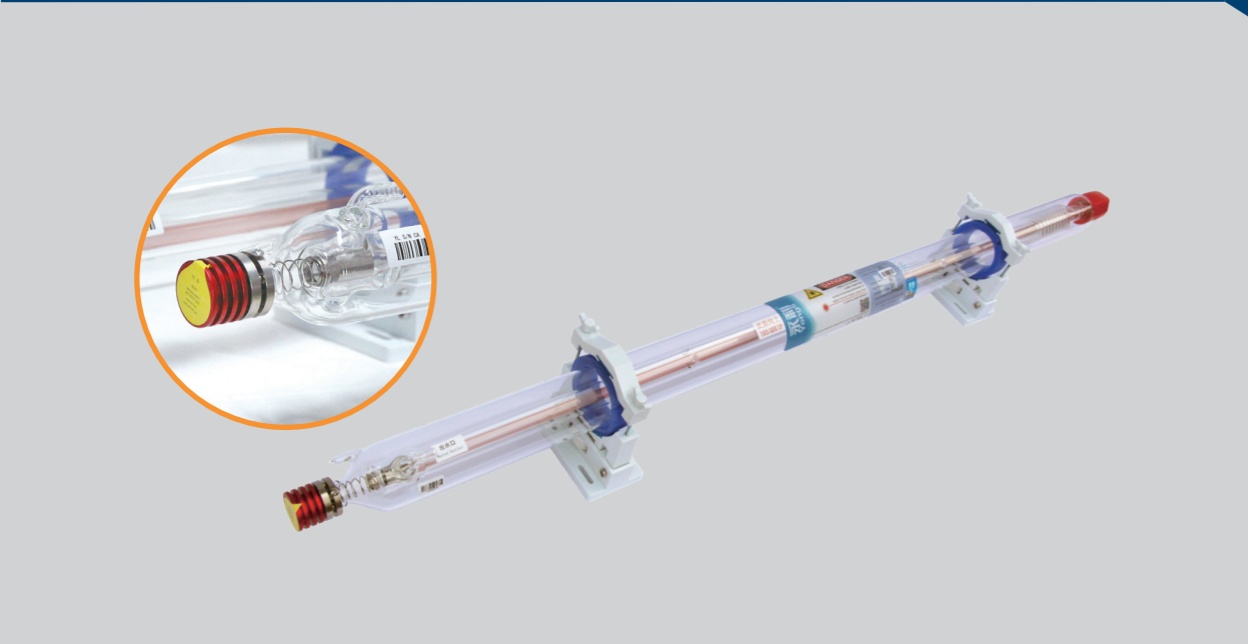
皮艺切割
Leather cutting



H

SERIES

H 系列 CO₂ 激光管 H series CO₂ Laser Tube



产品介绍 Introduction

H 系列激光管为我公司最新研发成果，产品工艺成熟，质量稳定可靠。采用最新工艺技术，提高了产品结构的稳定性，一定程度上改善了光斑输出模式。相较于其他类型产品，具有“优光斑、远汇聚、便安装”的特点。

H series laser tube is the latest research and development achievement of our company. The product technology is mature and the quality is stable and reliable. The latest technology is adopted to improve the stability of product structure and improve the spot output mode to a certain extent. Compared with other types of products, it has the characteristics of “excellent spot , far convergence, and convenient installation”

产品参数 Technical Parameter

型号 Model	长度 Length (mm)	额定功率 Rated Power (W)	最大功率 Max. Power(W)	外径 Dia. (mm)	水冷角度 Angles Between Water Inlet & outlet	起辉电压 Ignition Voltage(kV)	最大工作电流 Max Working Current(mA)	建议工作电流 Recommend Working Current(mA)	催化剂 Catalyst	功率不稳定性 Power Instability(%)	用途 Application	质保期 Warranty (M)
H1	1100	75	90	Φ60±2	180°	19	20	16	yes	≤ 5	切割 / 雕刻 Cutting/Engraving	10
H2	1250	90	100	Φ60±2	180°	21	26	21	yes	≤ 5	切割 / 雕刻 Cutting/Engraving	10
H4	1450	100	130	Φ60±2	180°	24	28	22	yes	≤ 5	切割 / 雕刻 Cutting/Engraving	10
H6	1650	130	160	Φ70±2	180°	28	30	24	yes	≤ 5	切割 / 雕刻 Cutting/Engraving	10
H8	1850	150	180	Φ70±2	180°	30	35	28	yes	≤ 5	切割 / 雕刻 Cutting/Engraving	10



产品特点 Characteristic

- 光斑模式优良，工艺优化，特殊定制，参数匹配，II - VI 镜片保证了光学性能稳定
- Excellent beam spot, optimized technology, customized parts, accurate parameter matching, II - VI lenses ensure stable optical performance
- 采用德国管材制作的激光管腔体稳定性更好
- The German-made laser tube cavity provides better stability
- 采用自有专利的高压接头，产品更安全，防护性好，避免潮湿环境的漏电、打火
- With our own patented high-voltage connector, the laser tube will be much safer in humid environments to avoid electric leakage and HV sparks
- 采用统一工艺，实现产品一致性，特殊的技术保证激光输出指向的一致性
- The uniform process is adopted to achieve product consistency, and the specific technology ensures the consistency of laser output pointing
- 激光管采用全金属头结构设计，便于客户安装使用安全性更好
- The metal-head structure offers convenient installation and safety in use

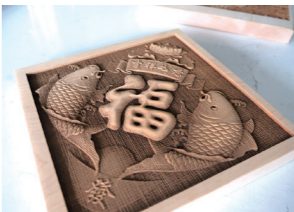
应用案例 Application



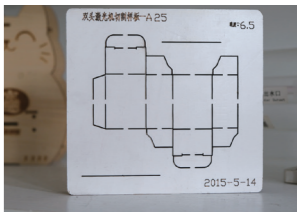
汽车内饰切割
Car Upholstery Cutting



亚克力切割 雕刻
Acrylic Cutting & Engraving



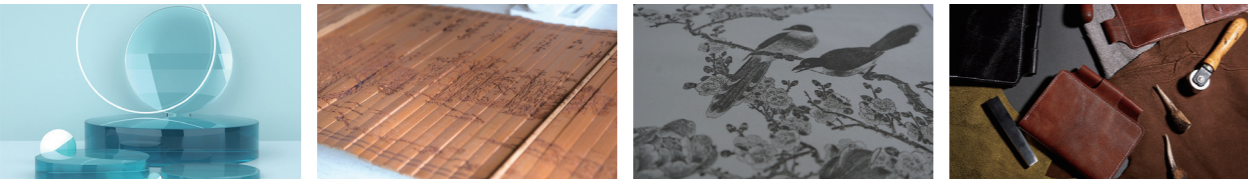
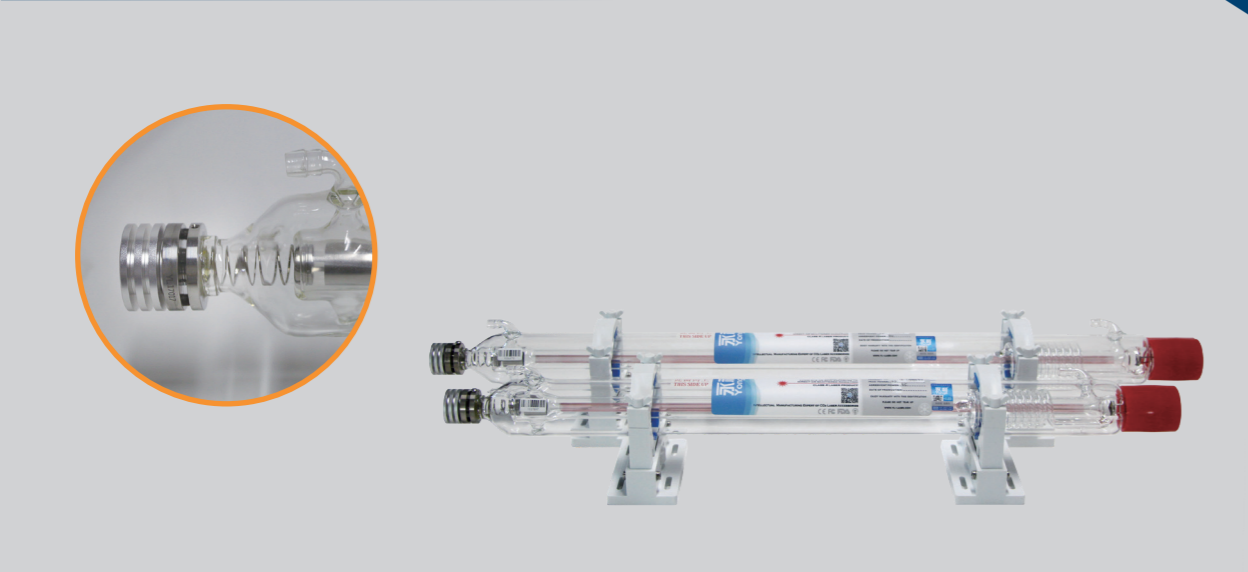
激光雕刻
Laser Engraving



模切板切割
Dieboard Cutting

T SERIES

T 系列 CO₂ 激光管 T series CO₂ Laser Tube



产品介绍 Introduction

T 系列激光管结合了 H 系列和 As 系列产品优点，体积小结构简单，光斑模式优良，脉冲特性媲美射频，可适用于非金属精细雕刻和打标。是您更新换代的不二选择。

T series laser tube combines the advantages of H series and As series products, with small volume, simple structure, excellent spot mode and pulse characteristics comparable to RF laser. It is suitable for non-metallic engraving and marking. It is your best choice for upgrading.

产品参数 Technical Parameter

型号 Model	长度 Length (mm)	额定功率 Rated Power (W)	最大功率 Max. Power(W)	外径 Dia. (mm)	水冷角度 Angles Between Water Inlet & outlet	起辉电压 Ignition Voltage(kV)	最大工作电流 Max Working Current(mA)	建议工作电流 Recommend Working Current(mA)	催化剂 Catalyst	功率不稳定性 Power Instability(%)	用途 Application	质保期 Warranty (M)
T0	700	35	45	Φ55±2	35°	16	18	14	yes	≤ 5	切割 / 雕刻 Cutting/Engraving	9
T2	800	40	50	Φ55±2	35°	17	20	16	yes	≤ 5	切割 / 雕刻 Cutting/Engraving	9

注：其他规格可定制

Note: Other Specification can be customized

B SERIES

B 系列 CO₂ 激光管 B series CO₂ Laser Tube



产品介绍 Introduction

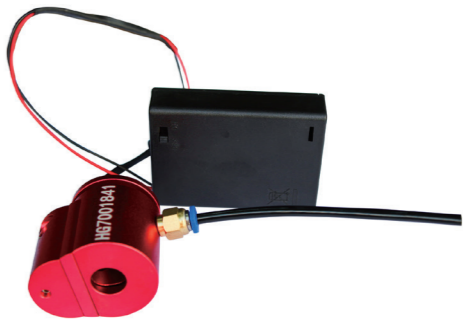
B 系列激光器是针对雕刻、打标领域推出的一款应用集成化产品，该系列产品标配激光电源和红光指示，性价比极高。此产品具有响应速度快、光斑直径小的优点。永利近几年不断加大技术和研发投入，针对市场反馈的信息进行优化及微创新，使产品性能更符合细分行业的特殊需求。

B series laser is an integrated product launched in the field of engraving and marking. This series of products are equipped with laser power supply and red light indication as standard, with high cost performance. This product has the advantages of fast response and small spot diameter. Yongli has continuously increased its investment in technology and R & D in recent years, and it makes the product performance meet the special needs of subdivided industries by optimizing and innovation according to market feedback.

产品参数 Technical Parameter

型号 Model	长度 Length (mm)	额定功率 Rated Power (W)	外径 Dia.(mm)	起辉电压 Ignition Voltage(kV)	建议工作电流 Recommend Working Current(mA)	催化剂 Catalyst	功率不稳定性 Power Instability(%)	标配配件 Standard accessories	用途 Application	质保期 Warranty (M)
B2	1270	75	Φ80±2	20	21	yes	≤ 5	激光电源 / 红光指示 Laser power supply/red light indication	切割 / 雕刻 Cutting/Engraving	6
B4	1470	95	Φ80±2	22	22	yes	≤ 5	激光电源 / 红光指示 Laser power supply/red light indication	切割 / 雕刻 Cutting/Engraving	6

标配配件 Standard Accessories



红光指示
Red light indicator



激光电源
Laser power supplies

DLT SERIES

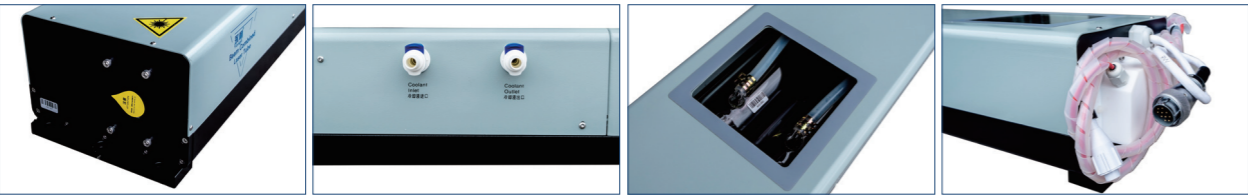
DLT 系列合束 CO₂ 激光器 DLT Series Beam Combined CO₂ Laser



产品介绍 Introduction

DLT 合束激光器具有专用的合束合光装置，所有模具均为一体化设计，安装使用简单、维护保养便捷、使用寿命长、输出功率高、功率范围可调整、光斑模式稳定等特点，是激光加工机制造企业配套的非金属厚板材及薄金属板材加工的首选配件。广泛应用于刀模加工、印刷包装、广告装饰、家具、工艺礼品、木制品加工、薄钢板加工、皮革制品加工等行业。

DLT Beam Combined Laser equips with a specially designed Beam Combining device. Due to its one-whole mould design, the installation and maintenance will be much easier. The sophisticated device contributes DLT lasers a longer service life, higher output power and wider output power scope with stable spot mode. DLT series laser is the preferred laser source for processing non-metallic thick materials and thin metal plates for laser manufacturing enterprises. It is widely used in laser processing on die-board, printing and packaging, advertising decoration, furniture, craft gifts, wood products, steel plates, leather products and other areas.

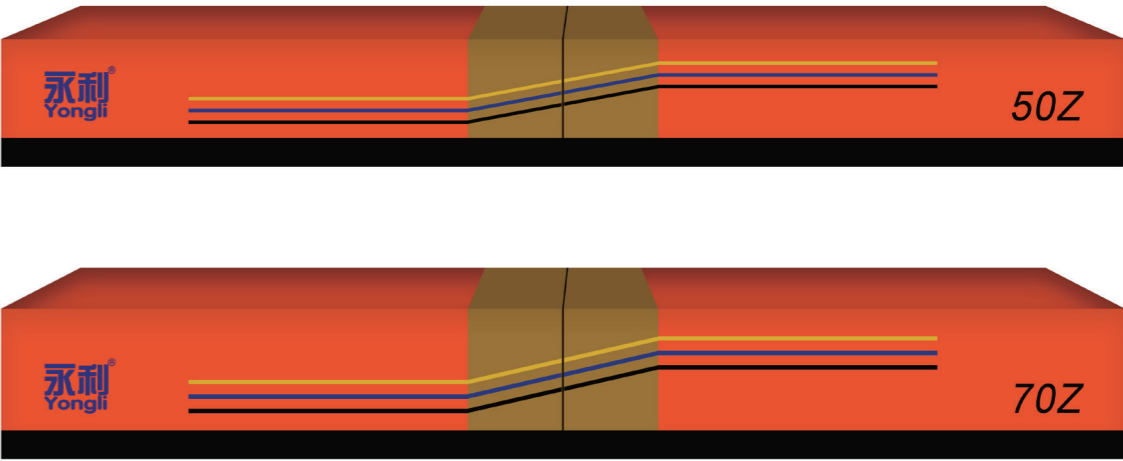


产品参数 Technical Parameter

型号 Model	额定功率 Rated Power (W)	最大功率 Max. Power (W)	起辉电压 Ignition Voltage(kV)	工作电压 Operating voltage(kV)	最大工作电流 Max Working Current(mA)	建议工作电流 Recommend Working Current(mA)	功率不稳定性 Power Instability(%)	尺寸 Size LxWxH (mm)	建议安装尺寸 Recommended Installation Space LxWxH (mm)	质保期 Warranty (M)
DLT-300P	290	310	40	26	40	36	≤ 5	1850x270x146	2000x400x200	12
DLT-40Z	300	320	40	26	40	36	≤ 5	1850x270x146	2000x400x200	18
DLT-50Z	480	550	40	26	42	38	≤ 5	2050x280x200	2300x400x350	12
DLT-70Z	680	750	40	26	42	38	≤ 5	2050x350x290	2300x500x400	12

产品特点 Characteristic

- 采用自有专利技术，内含一体化合光装置，汇聚光能量提高光束质量
- Adopted own patented technology, integrated light combining device, concentrate light energy and improve beam quality
- 光斑模式稳定
- Stable beam spot mode
- 单管输出，双管同步控制均可，功率输出连续可调 (300P/30-300W 40Z/50-320W 50Z/50-550W 70Z/50-750W)
- Available for single tube output and double tubes synchronous control, continuous adjustable power output (300P/30-300W 40Z/50-320W 50Z/50-550W 70Z/50-750W)
- 全金属外壳结构，防护更全面，激光器重量：300P/26kg 40Z/26kg 50Z/50kg 70Z/87kg
- All metal structure, more comprehensive protection, laser weight:300P/26kg 40Z/26kg 50Z/50kg 70Z/87kg
- 激光器采用可阀封接技术，内含催化剂，产品性能更稳定，使用寿命可达 10000 小时以上
- With kovar sealing technology and inner catalyst, lifetime is over 10000 Hrs
- 新增工作状态可视窗，内含开盖保护
- Equipped controller of water and flow
- 新增水温、流量控制器，可在机器温度或水流量超出允许范围后断电保护
- With power-off protection function while the machine temperature or water flow exceeds the allowable range
- 应用优势：金属薄板材 (3mm 不锈钢、4mm 碳钢)、非金属厚板材
- Applicable advantage: metal sheet (3mm stainless steel, 4mm carbon steel.),Non-metallic thick plate



RLT SERIES

射频 CO₂ 激光器 RF CO₂ Laser

产品介绍 Introduction

射频 CO₂ 激光器为我公司主营产品之一，该产品采用全金属化结构，具有体积小、全封闭、免维护、输出光束质量好、输出功率高、寿命长、运行稳定可靠等优点，非常适合工业化连续工作。



The RF laser is one of our main products. The product adopts all metallized structure, which has the advantages of small volume, full sealed, maintenance free, good output beam quality, high output power, stable and reliable operation, and is very suitable for industrial continuous work.

产品参数 Technical Parameter

型号 Model	RLT-30	RLT-60
波长 Wavelength	10.6μm	10.6μm
额定功率 Rated Power	> 30W	> 60W
功率不稳定性 Power Instability	≤ ±5%	≤ ±5%
光束质量 Beam Quality	M ² <1.2	M ² <1.2
光束直径 Beam Size	1.8±0.2mm	1.8±0.2mm
光束发散角 Beam Divergence	7.5±0.5mrad	7.5±0.5mrad
偏振 Polarization	水平线偏振 (> 100:1) Horizontal Linear Polarization (> 100:1)	水平线偏振 (> 100:1) Horizontal Linear Polarization (> 100:1)
调制频率 Modulation Frequency	0 ~ 25kHz, 0 ~ 100%	0 ~ 25kHz, 0 ~ 100%
重量 Weight	6.2KG	10KG
尺寸 Size(L*W*H)	357mm X 92.5mm X 142mm	风冷风冷 Air-cooling 536mmX92.5mmX154mm 水冷风冷 water-cooling 560mmX92.5mmX93mm
电输入 Electrical Input	DC 48V/12A	DC 48V/20A
热负荷 Heat load	< 500 (W)	< 1000 (W)
工作外壳温度 Maximum Case Temperature	< 60°C (140 °F)	< 60°C (140 °F)
工作环境温度 Ambient Temperature at Work	< 15 ~ 40°C (59 ~ 104 °F)	< 15 ~ 40°C (59 ~ 104 °F)
湿度 Humidity	非冷凝 Non-condensing	非冷凝 Non-condensing
运输和存储环境温度 Transportation and Storage Environments Temperature	-10 ~ 60°C (14 ~ 140 °F)	-10 ~ 60°C (14 ~ 140 °F)

激光电源 Laser Power Supply



输入说明

Enter Instructions

1 2 3 4 5 6
TH TL WP G IN 5V

TH	输入信号 Input Signal	TTL 高电平 (≥ 3V) 时出光，低电平 (≤ 0.3V) 时不出光 Laser output in TTL high level (≥ 3V) , Laser off in low level (≤ 0.3V)
TL	输入信号 Input Signal	TTL 高电平 (≥ 3V) 时不出光，低电平 (≤ 0.3V) 时出光 Laser output in TTL high level (≥ 3V) , Laser off in low level (≤ 0.3V)
WP	保护接口 Protection Interface	不用时短接 Short-circuit when not in use
G	信号地 Signal Ground	此脚必须和激光机的机壳、控制板的接地良好相连 This pin must be connected with Ground of the machine shell and control board.
IN	输入信号 Input Signal	激光功率控制端，可用 0-5V 模拟信号控制，或用 5V 为幅值的 PWM 信号控制，或用手动电位器控制 Laser power control terminal, can be controlled by 0-5V analog signal, or controlled by 5V PWM signal of amplitude, or controlled by manual potentiometer (4.7KΩ1/2W)
5V	输出电源 Output Power Supply	5V 输入，其最大输出电流为 50mA 5V input, its maximum output current is 50mA

产品介绍 Introduction

激光电源是针对我公司激光管研制而成，产品具有性能稳定，抗干扰能力强，体积小巧，耐老化的特点。

The power supply is developed for our CO₂ laser tube. it possesses stable performance, strong anti-jamming capability, small size and anti-aging.

产品参数 Technical Parameter

型号 Model	输出电压 Voltage Output(kV)	最大电流 Max. Current(mA)	尺寸 Size LxWxH(mm)	壳体颜色 Color	配套管型 Laser Tube	质保期 Warranty (M)
YL-U1	35	28	270x180x80	黑色 Black	A2s,A4s,H2,H4	12
YL-U2	45	35	320x210x80	黑色 Black	A6s,A8s,H6,H8	12

型号 Model	输出电压 Voltage Output(kV)	最大电流 Max. Current(mA)	尺寸 Size LxWxH(mm)	壳体颜色 Color	配套管型 Laser Tube	质保期 Warranty (M)
YL-2	30	25	220x150x100	黑色 Black	A0s, A1s, T0, T2, H1	12

激光功率计 Laser Power Meter

手持功率计 HLP-200B

Hand-held Power Meter HLP-200B



台式功率计 YL-S- III

Desktop Power Meter YL - S - III



产品介绍 Introduction

- 体积小，易携带
- Portable Design

- 内置电池，使用方便
- Button Battery,easy to install

- 读数直观，测量精度高
- Easy to read, high accuracy

产品介绍 Introduction

- 响应快，精度高
- Fast response, high accuracy

- 高效热敏探头可测量宽光谱范围
- Efficient thermal probe can measure a wide spectral range measurements

- 接收面积均匀性好
- Receiving area with good uniformity

- 水冷方式适合长时间测量
- Water-cooled is suitable for measurements for long time

型号 Model	HLP-200B	YL-S- III
样式 Type	手持式 Hand-held	台式 Desktop
量程 Range	0-200W	0-200W
最小分辨率 Min Resolution	0.1W	0.1W
光感面积 Light Sensitive Area	Φ19mm	Φ28mm
波长范围 Wavelength Range	10.6μm	10.6μm
冷却方式 Cooling Method	自然冷却 Nature-cooling	水冷 Water-cooling
应用范围 Application Scope	二氧化碳激光管 CO ₂ Laser Tube/ 射频激光器 RF Laser	二氧化碳激光管 CO ₂ Laser Tube/ 射频激光器 RF Laser
电源要求 Power Supply Requirement	3V/3.6V 2032 纽扣电池 3V/3.6V 2032 Button Battery	AC220V+10%,50Hz
显示 Display	四位 LCD 显示 4 Digits LCD Display	三位半 LED 显示 3 1/2 Digits LED Display
质保期 Warranty(M)	12	12

万向传输激光系统 Articulating Laser Arm



产品介绍 Introduction

该系统为我公司专门针对绣花机、刺绣机研发生产，包括二氧化碳激光传输器、二氧化碳激光管、激光电源和激光管支架，该系统的诞生解决了激光应用在绣花、缝纫领域出现的技术难题，解决了激光镜片易污染、机器震动带来的光束波动、激光切缝过宽等问题，满足了客户在绣切应用行业的高质量要求。

转折的关节连接采用精密轴承，不论怎么转动和移动，都能保证激光束在系统中传输，因此，可以让激光束灵活地移动位置、以任意角度、以聚焦方式照射到被加工的材料上。

The system is specially developed and produced for embroidery machines, including carbon dioxide laser transmitter, carbon dioxide laser tube, laser power supply and laser tube bracket. The birth of the system solves the technical problems of laser application in embroidery and sewing, and solves the problems of easy contamination of laser lens, beam fluctuation caused by machine vibration, over wide laser kerf, etc. It meets the high quality requirements of customers in embroidery and cutting application industry.

The pivoting joint connections use precision bearings to ensure that the laser beam is transmitted through the system no matter how it is turned and moved, thus allowing the laser beam to be flexibly shifted in position, at any angle and to be focused to the material being processed.



高压接头 High Voltage Connector

产品介绍 Introduction

该产品为我司专利产品，可以替换市场上不同规格的高压接头。本品操作简单，防护性好，替代性强。

接线更便捷：区别于以往的旋钮式高压接头，此次高压接头采用扣合式，只需将两根高压线伸进硅胶帽，扣紧接线端，最后扣合壳体与硅胶帽即可！操作简单，省时省力！

防护更全面：因高压接头的整体性，减少了以往因高压接线防护不良而发生的漏电、打火等情况，更是削弱因工作环境潮湿所造成的影响，安全放心！



It's our patented product. which can replace high-voltage connector of many different specifications in the market. It's easy to operate, good in protection and strong substitutability.

More convenient wiring: different from the knob-type high-pressure joint in the past, this new high-voltage connector adopts the button type. Only two high-voltage wires are needed to be inserted into the silica gel cap, Fastened the connection end, and finally the shell and the silicone cap are fastened. Simple operation, minimize the artificial interference and time and efforts!

More comprehensive protection: because of the integrity of high-voltage connector, it reduces the occurrence of leakage and ignition caused by poor protection of high-voltage wiring in the past, and also weakens the impact caused by humid working environment, It is safe and assured.

激光管支架 Laser Tube Bracket

产品介绍 Introduction

该管支架具有可升降式螺旋，方便客户设定所需管位高度。同时支架直径亦可调节，调节范围为50mm-80mm，客户可根据需要自行调整。该管支撑架匹配性高、安装方便、操作简单、易于调节。

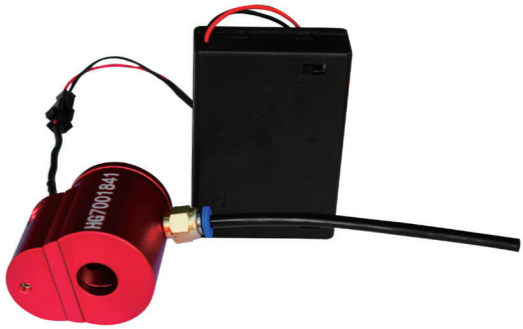


The bracket is convenient for customers to set the tube height with the lift screw. The customers can also adjust the diameter of the bracket according to their needs, the adjusted range is 50mm-80mm.It is highly matchable to different types of laser tubes, easy to install, operate and adjust.

红光指示 Red Light Indicator

产品介绍 Introduction

我公司结合多年生产及研发经验，研发出红光指示产品，解决了二氧化碳激光传输路径和照射处不可见的问题，该产品设计小巧，性能稳定，可选配电池盒装置，是调整激光光路的最佳搭档。



With many years of production and R & D experience, our company has developed a red-light indication product, which solves the problem of invisible transmission path of carbon dioxide laser tube. The product has small design and stable performance. It can be equipped with battery box and become the best assistant device to adjust the laser light path.

激光镜片 Mirrors & Lenses



美国II - VI公司战略合作伙伴

产品参数 Technical Parameter

Strategic Partner of the US II-VI Corporation

名称 Name	材料 Material	直径 /mm (可选) Diameter /mm (Optional)	焦距 /mm(可选) FocalLength /mm (Optional)
平面反射镜 Flat Mirrors	硅 Si	Φ20,Φ25,Φ30	—
平面反射镜 Flat Mirrors	钼 Mo	Φ20,Φ25,Φ30	—
聚焦镜 Focuslens	ZnSe(Yong Li)	Φ20,Φ25.4	50.8, 63.5
聚焦镜 Focuslens	II - VI ZnSe	Φ20,Φ25.4	50.8, 63.5

缝纫系列

缝纫机专用型号 SEW-2 / SEW-4

Special Models for Sewing Series SEW-2 / SEW-4

产品介绍 Introduction

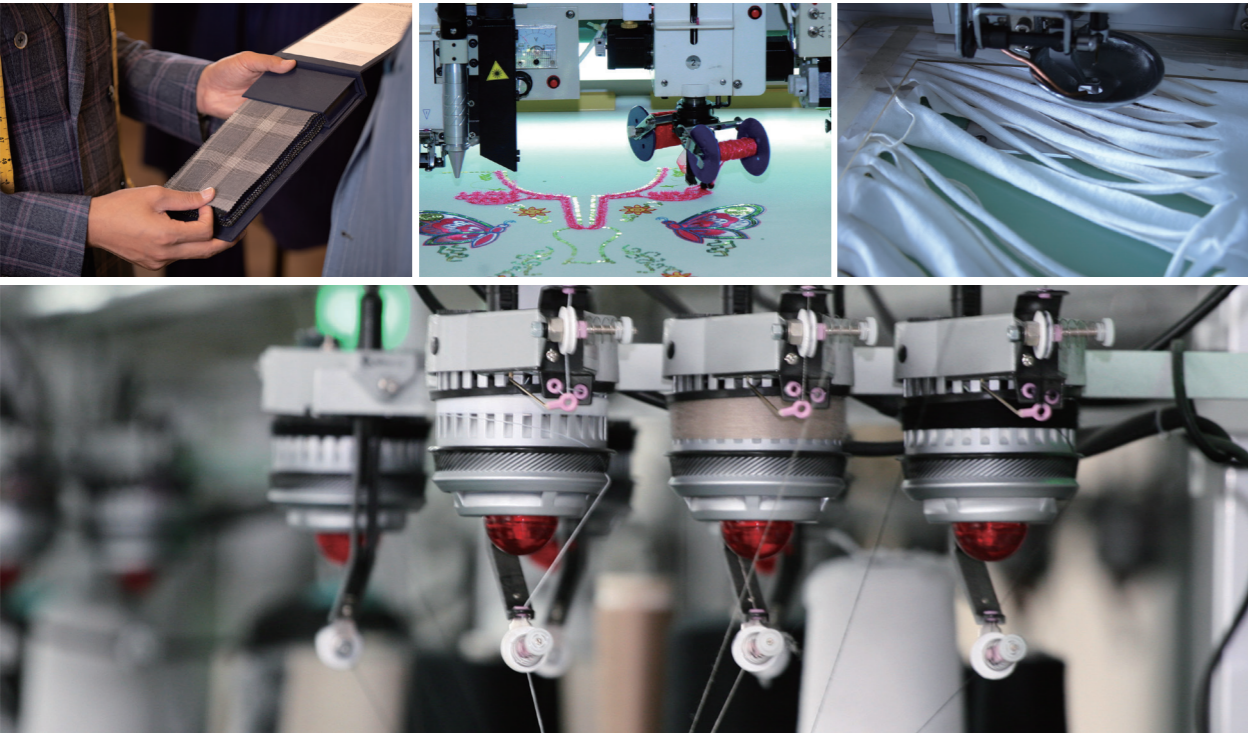
缝纫机专用型号 SEW-2 / SEW-4 激光管是我公司专门针对缝纫机领域的白布切割优化所研发，特别适合光路 20cm—30cm 的位置切割使用，在此距离内光斑模式可以达到基模标准，在双层白布切割时，解决了白色布料切割时表面发黄、烧焦等问题。

The new model laser tubes SEW-2 / SEW-4 laser tube are specially developed for sewing machines by our company. The developing purpose of this model is to optimize the cutting results of the white fabric for the sewing machines.

SEW series is especially suitable for processing fabric cutting at a distance of 20cm-30cm in the horizontal beam path. Within such distance, the beam mode is close to the TEM00 so to efficiently resolve the problems of burning edges, even when cutting in the double layer of white fabric.

产品参数 Technical Parameter

型号 Model	长度 Length (mm)	额定功率 Rated Power (W)	最大功率 Max. Power(W)	外径 Dia. (mm)	水冷角度 Angles Between Water Inlet & outlet	起辉电压 Ignition Voltage(kV)	最大工作电流 Max Working Current(mA)	建议工作电流 Recommend Working Current(mA)	催化剂 Catalyst	功率不稳定性 Power Instability(%)	用途 Application	质保期 Warranty (M)
SEW-2	1265	90	100	Φ80±2	180°	23	26	21	yes	≤ 5	切割 / 雕刻 Cutting/Engraving	12
SEW-4	1465	100	130	Φ80±2	180°	26	28	22	yes	≤ 5	切割 Cutting	12



喷码打标系列

A4s-SF

Marking and Coding Series A4s-SF

产品介绍 Introduction

激光喷码打标技术是激光加工最大的应用领域之一。激光喷码打标是利用高能量密度的激光对工件进行局部照射，使表层材料汽化或发生颜色变化的化学反应，从而留下永久性标记的一种打标方法。激光喷码打标可以标刻各种文字、符号和图案等，字符大小可以从毫米到微米量级，这对产品的防伪有特殊的意义。

此系列激光管是我公司针对喷码、打标领域研发制作的定制型号激光管，有 9.3μm、10.6μm 两种波长可供客户选择，可以纵向安装使用，攻克了供水不足而导致的炸裂的难题，在距离出光口 70-80cm 的位置，可以控制光斑直径在 5mm 以内。

Laser coding and marking technology is one of the largest application areas of laser processing. Laser code marking is a marking method that uses a high-energy-density laser to locally irradiate the workpiece to vaporize or change the color of the surface material, thereby leaving a permanent mark. Laser coding can mark various characters, symbols and patterns, etc., and the character size can range from millimeters to micrometers, which has special significance for the anti-counterfeiting of products.

The Marking series laser tubes are our customized model, which is developed and produced for the field of coding and marking, with two optional wavelengths of 9.3μm and 10.6μm. The Marking Laser Tubes can be installed and used longitudinally, avoiding the broken issues due to insufficient water cooling. Moreover, at the distance of 70-80cm from the light outlet, the laser beam diameter is remarkable, which is less than 5mm.



产品参数 Technical Parameter

型号 Model	长度 Length (mm)	额定功率 Rated Power (W)	最大功率 Max. Power(W)	外径 Dia. (mm)	水冷角度 Angles Between Water Inlet & outlet	起辉电压 Ignition Voltage(kV)	最大工作电流 Max Working Current(mA)	建议工作电流 Recommend Working Current(mA)	催化剂 Catalyst	功率不稳定性 Power Instability(%)	用途 Application	质保期 Warranty (M)
A4s-SF	1450	100	130	Φ80±2	180°	26	28	22	yes	≤ 5	喷码 / 打标 Coding/Marking	12



医疗系列

M4 M8 M9 M10

Medical Series M4 M8 M9 M10

产品介绍 Introduction

医疗用激光器是一个纵向激励封离型 CO₂ 激光管，它把激光工作气体密封在玻璃管内，通过冷却液对工作物质进行冷却，特点是技术成熟、结构紧凑可靠，激光光束质量优异。

针对医疗行业的应用需求，现研制 M 系列二氧化碳激光管 M4、M8、M9、M10 全套的医疗激光管，专门用于医疗行业的美容、美肤医疗设备使用，对标国际水平。

The Medical Laser tube is a longitudinally excited CO₂ laser tube, which seals the laser working gases and cools the working substance with coolant. With mature technology, compact and reliable structure and excellent laser beam quality, it earns a great reputation in the medical industry.

For the application demands of the medical industry, our R&D team developed the M series CO₂ laser tubes M4, M8, M9 and M10, especially for use in cosmetic and aesthetic medical equipment. The M series CO₂ laser tubes are benchmarking against international standards.



产品参数 Technical Parameter

型号 Model	长度 Length (mm)	额定功率 Rated Power (W)	最大功率 Max. Power(W)	外径 Dia. (mm)	水冷角度 Angles Between Water Inlet & outlet	起辉电压 Ignition Voltage(kV)	最大工作电流 Max Working Current(mA)	建议工作电流 Recommend Working Current(mA)	催化剂 Catalyst	功率不稳定性 Power Instability(%)	用途 Application	质保期 Warranty (M)
M4	450	13	18	Φ55±2	35°	10	15	13	yes	≤ 5	医疗 Medical	12
M8	800	35	45	Φ55±2	35°	17	20	16	yes	≤ 5	医疗 Medical	12
M9	900	40	50	Φ55±2	35°	20	20	16	yes	≤ 5	医疗 Medical	12
M10	1000	45	55	Φ55±2	35°	21	20	18	yes	≤ 5	医疗 Medical	12

世界的永利 永利的世界

World's Yongli Yongli's World



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Headquarters: Changchun Offices: Dubai, Jinan, Liaocheng, Suzhou, Guangzhou, Dongguan, etc. Overseas warehouse: Mexico

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