

CONTACT US

Tel : 86-512-67263864 Fax : 86-512-67263864

Factory Address: No.66 Tonghe Road, Suzhou Industrial Park, Suzhou, China

BUSINESS BROCHURE

Suzhou eCO2 Laser Co. Ltd have retained the original technology team and have continued sell and develop it's suite of industrial CO2 lasers. We have kept the original GSI manufacturing processes, debugging technology and quality standards. To produce a long life CO2 laser tube with an unparalleled beam quality with efficiency.

SUZHOU ECO2 LASER CO.,LTD.



+86-512-67263864



info@eco2laser.com



www.hengkuailaser.com



COMPANY PROFILE

SuZhou eCO2 Laser Co., Ltd is specialized in the research , development and production of CO2 laser tubes,Subsidiary of SuZhou TianHong Laser,founded in the end of 2017.

April ,2015. Fiber laser source manufacturer SPI , subsidiary of TRUMP , acquired the global leading brand of CO2 laser source JK TM Lasers from GSI Group.

October ,2015, SuZhou Tian Hong Laser acquired the trademark use right of "JKlasers" and its CO2 Laser technology and production line from SPI.

SuZhou eCO2 Laser Co., Ltd resumes the production and global sales, at same time develop new series to meet the different demands of the market. The original GSI manufacturing processes, laser beam adjustment and quality standards are well retained , which enables excellent and stable laser beam mode , longer service life. it is widely used in the automotive industry, aircraft manufacturing , electronics, semiconductor manufacturing , military, medical and other advanced fields.

Quality and service are always the first priority ,we will keep improving the products to gain more reputation and trust from the global market.

With more than 40 years history

Global marketing



More than 40 years history



Italy

United States

France

Turkey

Spain

Corporate style

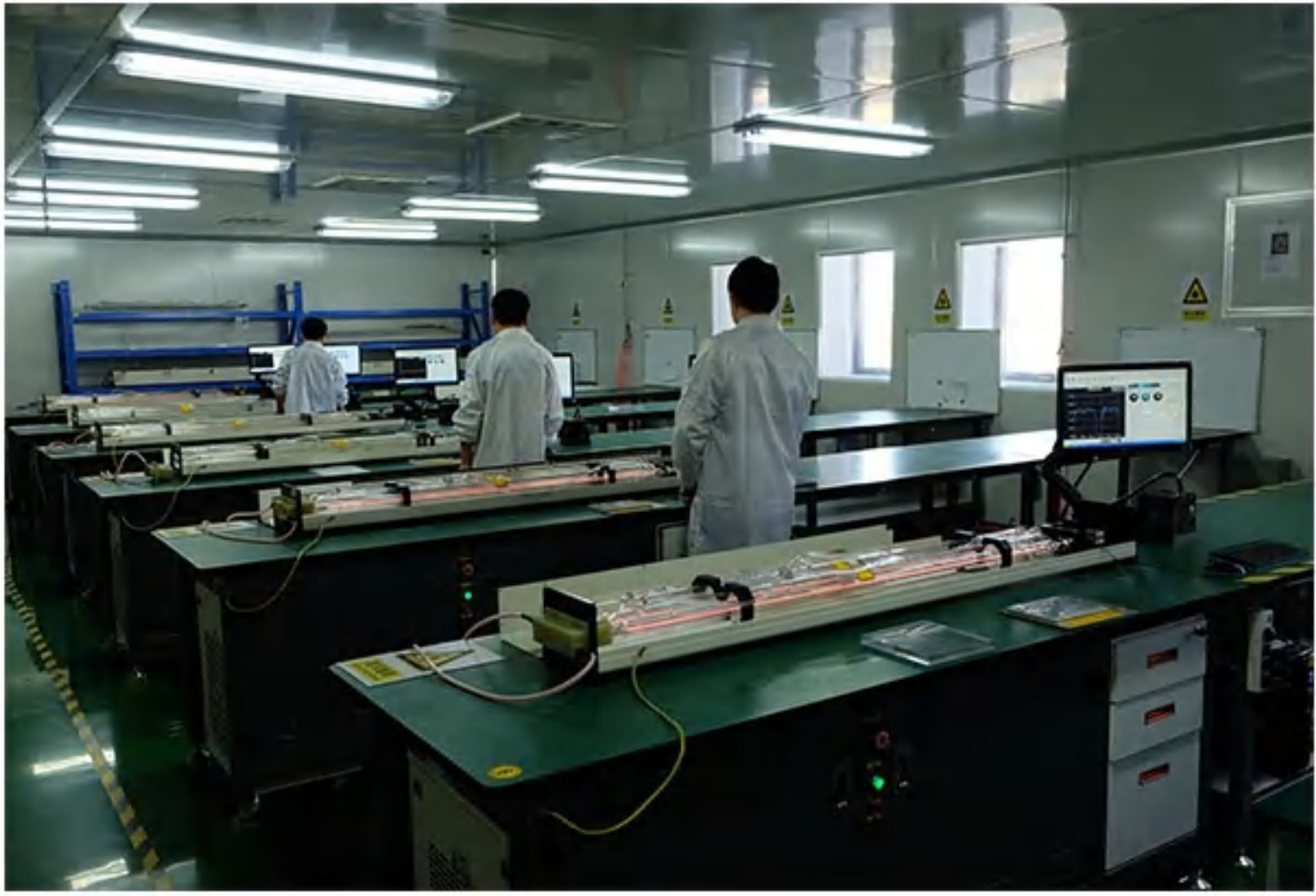


Mirror room

M optimization room

System room

Warehouse



We are the professional CO2 Laser manufacturer with 40 years history, the real founder of CO2 Laser .

During the year of 1988 & 2002, Kathy Laakmann-Crothall established the company Luxar in Seattle, Washington, D.C. with former Xanar Laser engineer Paul Diaz, Michael Levy etc.

In the end of 1990s, Luxar was sold to ESC medical system , and became a member of Lumenis in 2001 due to the amalgamation of ESC and Coherent Medical(Lumenis, and Israel company). During the reorganization period after the amalgamation, all the Luxar production lines moved overseas from Seattle: industrial laser producing business moved to Spectron Lasers in Rugby England.

In May, 2003, GSI Lumenics Inc. acquired Spectron Laser Systems of Israel company Lumenis Ltd, an industrial laser system subsidiary with head-quarter in Rugby England. This purchase increased the laser production line of GSI Lumenics Inc. Diode pumped solid laser (LPSS) and CO2 based technology are among the list.

Our CO2 Laser name SLC comes from the first letter of " Spectron Laser Systems"

In August ,2012, GSI Group Inc. (GSI Lumenics Inc. to GSI Group Inc.) adopts JK LASERS as the brand to rebuilt YAG Laser and CO2 Laser. At that time , ECO2 SLC became the name of CO2 Laser.

In October ,2015, Tian Hong Laser acquired this world well-known brand "JKlasers" and all its CO2 Laser technology ,production line and engineering team.

In December 2017, ECO2LASER was founded by TianHong Group, with 20000 square meters` professional CO2 Laser production base , Mr JINGCHAO LONG, president of Tian Hong Group said: We Tian Hong Group will rebuild this brand and carry forward the quality and technology of JK Laser to service more global users.

Exhibition photograph

LASER WORLD OF PHOTONICS CHINA



FESPA 2018



Viscom Italia 2019



RemaDays 2019



ISA Sign Expo 2019



Sign China 2019



Certificate honor



Full High-end Import Laser SLC Series



ADVANTAGES

This series [refer to GSI SLC] has single tube and combined beam laser for option, both adopt the USA imported glass tube, and unique vacuum and sealing technology, enables the longer service life (over 45000 hours) and shelf life (around 10 years). Different from the positive high voltage in the market, negative high voltage type has more stable output, which means less affected if there is electricity fluctuation. In addition, perfect and stable beam shape delivers a good cutting experience, and 18 months warranty is offered.

APPLICATION

Widely used in various types of CO2 laser cutting machine, laser marking machine, laser weeder, etc. We will provide technical consulting before your purchase, recommend the most suitable series and model according to your budget and materials.



Full High-end Import Laser SLC Series

Laser specifications	Laser Tube Only		Combined Beam Laser	
Model	SLC110	SLC140	SLC200	SLC280
Output Power(Rated Power (W))	110W/138W	140W/160W	200W/260W	280W/310W
Beam quality	≤1.1	≤1.1	≤1.1	≤1.1
"N" Type	Waist located at output coupler			
Beam Waist (2W ₀)(mm)	5.8	5.9	5.8	5.9
Beam Divergence(mrad full angle)	2.6	2.5	2.6	2.6
B" Type	Waist located outside the output coupler			
Beam Waist (2W ₀)(mm)	4.8	4.9	4.8	4.8
Beam Divergence(mrad full angle)	3.1	3.1	3.1	3.1
pointing stability(mrad)	<0.2	<0.2	<0.1	<0.1
Typical Power Stability(±% during full power startup)	5	5	5	5
Typical Power Stability(±% within 20 minutes of startup)	3	3	3	3
Polarisation	Random polarization/linear polarization			
Maximum Strike Voltage(KV)	40	40	40	40
Rated Operating Current/Absolute max.(MA)	25/35	32/40	20/35	32/40
optimum current used(MA)/(W)	25/110	25/130	25/220	30/270
Dynamic Range	Negative high voltage			
Electrical Requirements	8:1	8:1	6:1	6:1
Single Phase 110V/60Hz(A)	6	7	13	14
230V/50Hz(A)	3	4	7	8
Cooling Requirements	Water Temperature 15-25℃			
Min/Max. Pressure(bar)	2/5	2/5	2/5	2/5
Cooling (l/min)(de-ionized water)	3.6	4	7.2	8
water cooling (W)	650	700	1300	1400
Dia(mm)	80	80	80	80
L (mm)	1474	1574	1737	1848
W (mm)			206	206
H (mm)			166	166
Weight(kg)	3.2	3.6	37	39

If you need to customize the different models, please provide the size: Length * Diameter

Remarks :

1. Waist located at output coupler 2. Waist located outside the output coupler 3. linear polarization 4. Random polarization

Economy Type ELC Series

ADVANTAGES

ELC series keeps GSI UK original catalytic, high vacuum, beam adjusting technology and gas formula, which make the excellent and stable beam mode, longer service life. Same negative high voltage structure as SLC, less affected in case of any electricity fluctuation, considered it as an economy alternative choice of SLC series.

This series also has single tube and combined beam type for option, 18-months warranty guarantees your purchase.



Professional CO2 Laser Tube Manufacturer



Acrylic



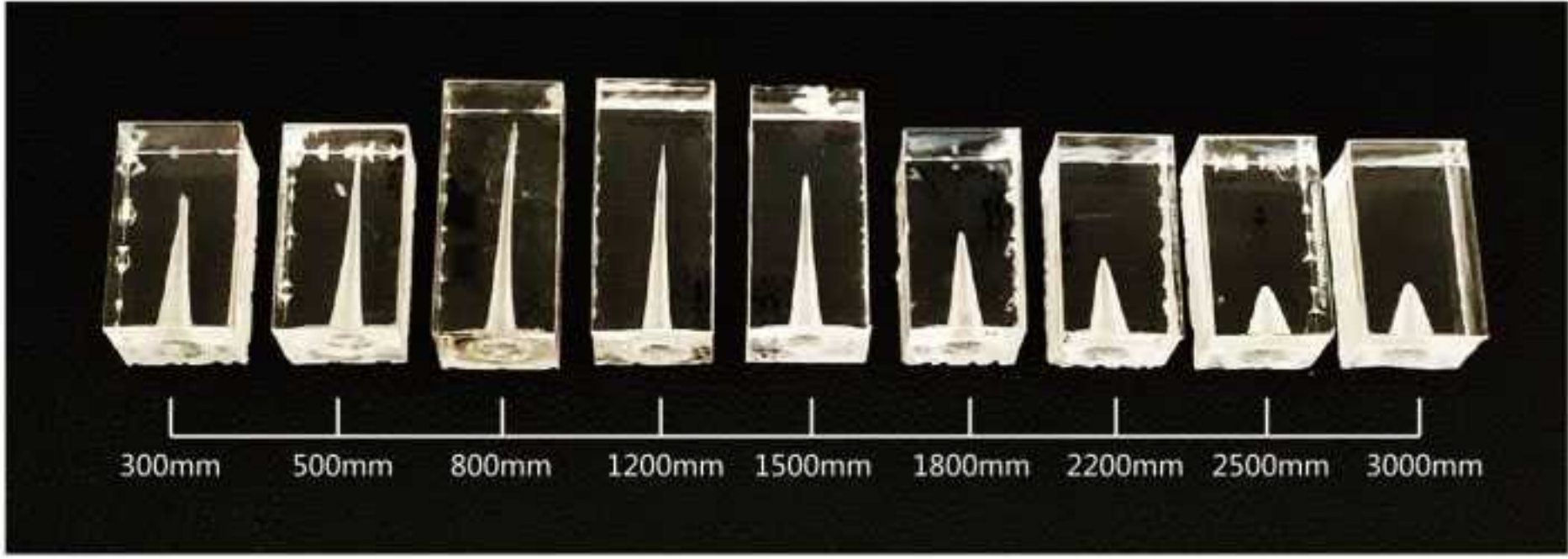
Metal



Wood



Fabric



Laser cone sample

Economy Type Laser ELC Series

Laser specifications	Laser Tube Only			
Model	ELC90	ELC110	ELC140	ELC160
Output Power(Rated Power （W）	90W/100W	110W/130W	140W/170W	160W/190W
Beam quility	≤1.1	≤1.1	≤1.1	≤1.1
“N”Type	Waist located at output coupler			
Beam Waist （2W。 ）(mm)	5.8	5.9	5.9	5.9
Beam Divergence(mrad full angel)	2.6	2.5	2.5	2.5
“B”Type	Waist located outside the output coulper			
Beam Waist （2W。 ）(mm)	4.9	4.9	4.9	4.9
Beam Divergence(mrad full angel)	3.1	3.1	3.1	3.1
pointing stability(mrad)	<0.2	<0.1	<0.1	<0.1
Typical Power Stability(±%during full power startup)	5	5	5	5
Typical Power Stability(±%within 20 minutes of startup)	3	3	3	3
Polarisation	Random polarization/liner polarization			
Maximum Strike Voltage(KV)	40	40	40	40
Rated Operating Cuurent/Absolute max.(MA)	28/35	28/40	30/40	30/40
optimum current used(MA)/(W)	28/100	28/120	30/160	30/180
Dynamic Range	Negative high voltage			
Electrical Requirements	8:1	6:1	6:1	6:1
Single Phase 110V/60Hz(A)	7	7	7	7
230V/50Hz(A)	4	4	4	4
Cooling Requirenments	Water Temperature 15-25℃			
Min/Max. Pressure(bar)	2/5	2/5	2/5	2/5
Cooling （l/min)(de-ionized water)	3.6	4	4	4
water cooling （W）	650	650	650	650
Dia(mm)	80	80	80	80
L (mm)	1280	1480	1690	1890
Weight(kg)	2.8	3.2	3.8	4.1

If you need to customize the diferent models, please proovide the size:Length * Diameter



Economy Type Laser ELC Series

Laser specifications	Combined Beam Laser			
Model	ELC200	ELC260	ELC300	ELC350
Output Power(Rated Power （W）	200W/260W	260W/290W	300W/320W	350W/370W
Beam quility	≤1.1	≤1.1	≤1.1	≤1.1
“N”Type	Waist located at output coupler			
Beam Waist （2W。 ）(mm)	5.8	5.9	5.9	5.9
Beam Divergence(mrad full angel)	2.6	2.5	2.5	2.5
“B”Type	Waist located outside the output coulper			
Beam Waist （2W。 ）(mm)	4.9	4.9	4.9	4.9
Beam Divergence(mrad full angel)	3.1	3.1	3.1	3.1
pointing stability(mrad)	<0.1	<0.1	<0.1	<0.1
Typical Power Stability(±%during full power startup)	5	5	5	5
Typical Power Stability(±%within 20 minutes of startup)	3	3	3	3
Polarisation	Random polarization/liner polarization			
Maximum Strike Voltage(KV)	40	40	40	40
Rated Operating Cuurent/Absolute max.(MA)	20/35	30/40	32/40	35/40
optimum current used(MA)/(W)	25/210	30/265	30/280	30/335
Dynamic Range	Negative high voltage			
Electrical Requirements	6:1	6:1	6:1	6:1
Single Phase 110V/60Hz(A)	13	14	14	14
230V/50Hz(A)	7	8	8	8
Cooling Requirenments	Water Temperature 15-25℃			
Min/Max. Pressure(bar)	2/5	2/5	2/5	2/5
Cooling （l/min)(de-ionized water)	7.2	8	8	8
water cooling （W）	1300	1300	1400	1500
Dia(mm)	80	80	80	80
L (mm)	1737	1848	1934	2179
W (mm)	206	206	206	206
H (mm)	166	166	166	166
Weight(kg)	37	39	42	46

If you need to customize the diferent models, please proovide the size:Length * Diameter

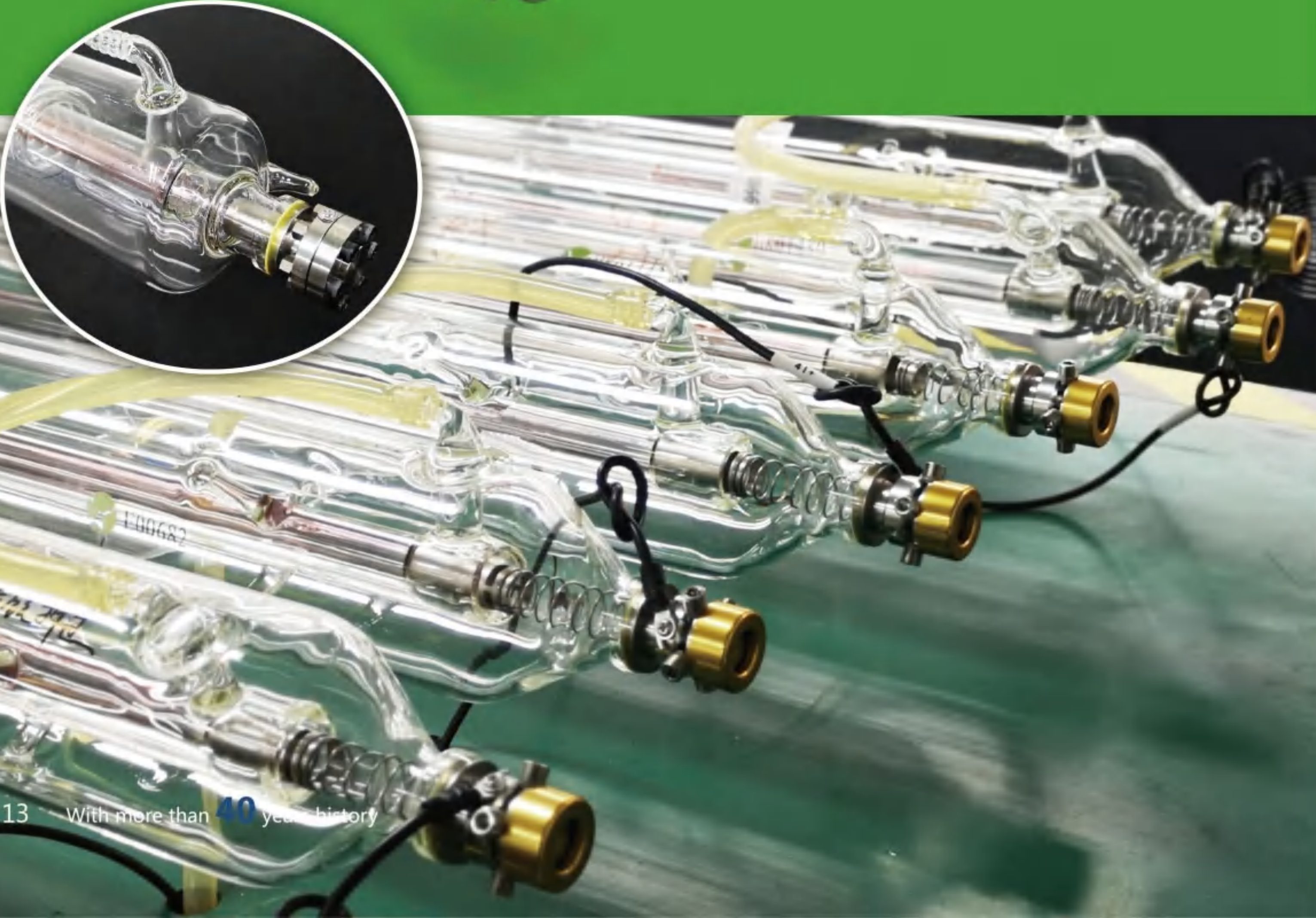
Remarks :

1. Waist located at output coupler
2. Waist located outside the output coupler
3. linear polarization
4. Random polarization

Economy Type HLC Series

ADVANTAGES

Positive high voltage structure, GSI USA original technology for catalytic, GSI original inflation formula for CO2 gas, Perfect laser spot, High vacuum technology for longlife time, Excellent beam profile at all powerlevels,High stability output 18 months lifetime.



Economy Type Laser HLC Series

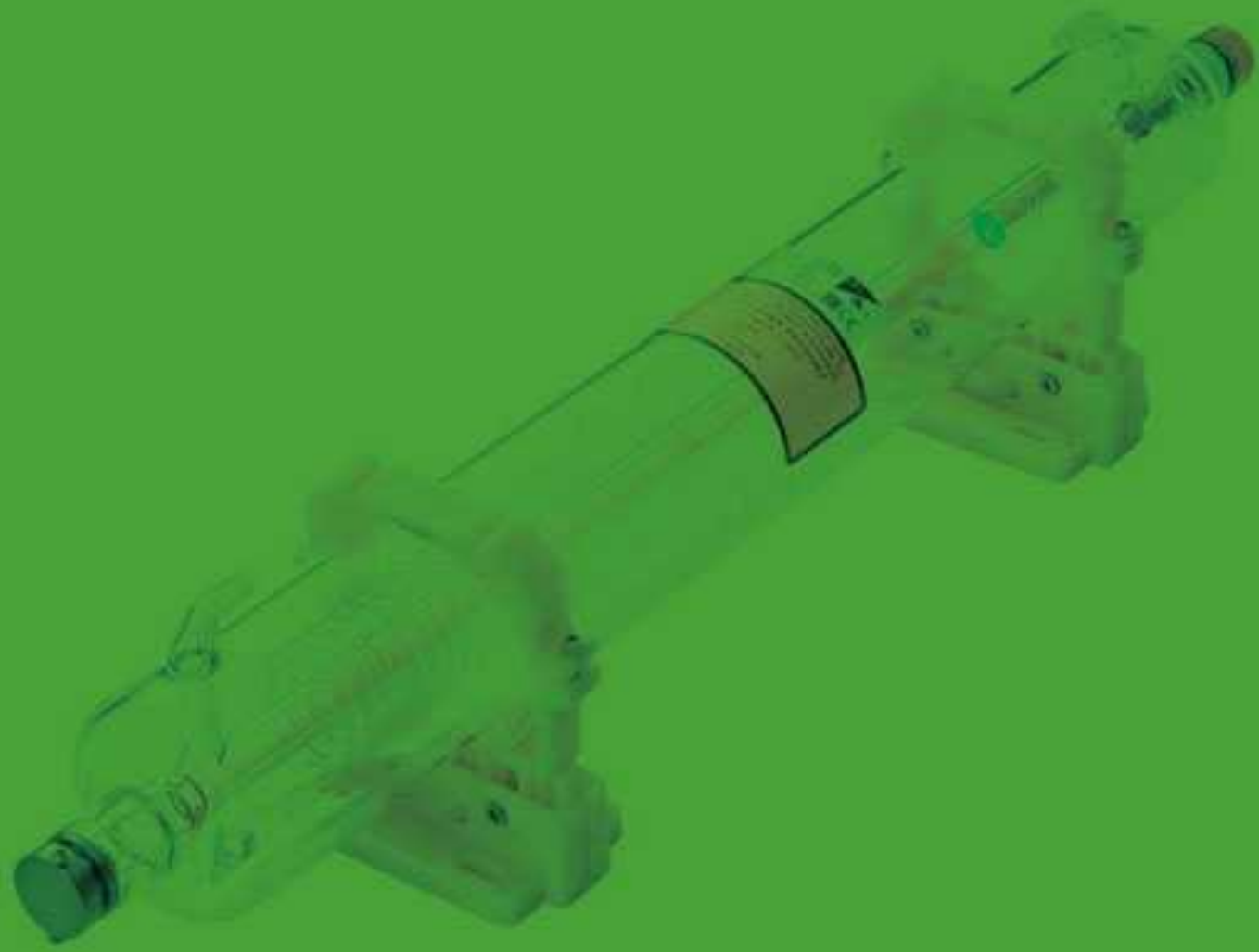
Laser specifications	Laser Tube Only			
Model	HLC80	HLC100	HLC130	HLC150
Output Power(Rated Power （W）	80W/110W	100W/135W	130W/170W	150W/190W
Beam quility	≤1.1	≤1.1	≤1.1	≤1.1
“N”Type	Waist located at output coupler			
Beam Waist （2W。 ）(mm)	5	7.2	7.4	7.6
Beam Divergence(mrad full angel)	2.5	2.5	2.5	2.5
“B”Type	Waist located outside the output coulper			
Beam Waist （2W。 ）(mm)	4.8	6.2	6.4	6.6
Beam Divergence(mrad full angel)	3.1	3.1	3.1	3.1
pointing stability(mrad)	<0.1	<0.1	<0.1	<0.1
Typical Power Stability(±%during full power startup)	5	5	5	5
Typical Power Stability(±%within 20 minutes of startup)	3	3	3	3
Maximum Strike Voltage(KV)	40	40	40	40
Rated Operating Cuurent/Absolute max.(MA)	20/32	20/35	20/35	20/35
optimum current used(MA)/(W)	20/80	25/120	25/150	30/180
Dynamic Range	Positive high voltage			
Electrical Requirements	6:1	6:1	6:1	6:1
Single Phase 110V/60Hz(A)	7	7	7	7
230V/50Hz(A)	4	4	4	4
Cooling Requirenments	Water Temperature 15-25℃			
Min/Max. Pressure(bar)	2/5	2/5	2/5	2/5
Cooling （l/min)(de-ionized water)	3.6	3.6	4	4
water cooling （W）	650	650	650	650
Dia(mm)	80	80	80	80
L (mm)	1280	1480	1690	1890
Weight(kg)	2.8	3.2	3.8	4.1

If you need to customize the diferent models, please provide the size:Length * Diameter

Remarks :

1. Waist located at output coupler
2. Waist located outside the output coupler
3. linear polarization
4. Random polarization

Economy Type HHLC Series



ADVANTAGES

JSA GSI fully imported production technology, high vacuum standard, high quality glue sealing technique cost-effective, positive high-voltage structure, capable for most domestic aser machines . 12-month warranty, and more than 10,000 hours service life. easy to integrate,with red light indicator and diffuse cooling design as option.

APPLICATION

Widely used in various types of small size laser cutting &engraving machine , beauty equipment etc. we will provide technical consulting before your purchase and customize according to your requirement.

Economy Type Laser HHLC Series

Laser specifications	Laser Tube Only			
Model	HHLC20N	HHLC40N	HHLC60N	HHLC75N
Output Power(Rated Power (W))	20W/30W	40W/50W	60W/70W	75W/90W
Beam quility	≤1.1	≤1.1	≤1.1	≤1.1
“N”or“N”Type	Waist located at output coupler			
Beam Waist (2W。)(mm)	5.5	5.5	5.5	5.5
Beam Divergence(mrad full angel)	2.5	2.5	2.5	2.5
pointing stability(mrad)	<0.2	<0.2	<0.2	<0.2
Typical Power Stability(±%during full power startup)	5	5	5	5
Typical Power Stability(±%within 20 minutes of startup)	2	2	2	2
Polarisation	Random polarization/liner polarization			
Maximum Strike Voltage(KV)	8	12	18	24
Rated Operating Cuurent/Absolute max.(MA)	10/20	20/25	20/30	20/30
optimum current used(MA)/(W)	15	20	20	25
Dynamic Range	Positive high voltage			
Cooling Requirments	Water Temperature 15-25℃			
Min/Max. Pressure(bar)	1/3	1/3	1/3	1/3
Cooling (l/min)(de-ionized water)	3	3	4	4
water cooling (W)	400	400	400	400
Dia(mm)	80	80	80	80
L (mm)	550	750	950	1260
Weight(kg)	0.8	1.3	1.8	2.6
If you need to customize the diferent models, please provide the size:Length * Diameter				

Remarks :

1. Waist located at output coupler
2. Waist located outside the output coupler
3. linear polarization
4. Random polarization

Power Supply Series



DATA

Picture	Model	Warranty	Size (mm)	Remarks
	W180	12 months	395*189*111	HLC80/HLC100/HLC130
	W200	12 months	363*252*111	HLC150
	E150	12 months	244*222*106	ELC90/ELC110/ELC200
	E200	12 months	260*239*117	ELC140/ELC160/ELC260/ELC300 ELC350/SLC280
	JK750	12 months	339*144*103.7	ELC90/ELC110/ELC200
	JK950	12 months	425*144*103.7	ELC140/ELC160/ELC260/ELC300 ELC350/SLC280



Safety Standards & References

- Equipment Safety Standards

This laser component is designed to comply with the following:

EN60825

EN 60825 - Radiation Safety of Laser Products - Equipment Classification, Requirements and User’ s Guide
- References

For further guidance on the safe use of laser equipment, the following is a list of suggested reading:

American National Standard for the Safe Use of Lasers (ANSIZ136.1 1986)

Radiation Safety of Laser Products - Equipment Classification, Requirements and User’ s Guide (EN 60825)

+86-512-67263864

Floor 3, Building 2, No.66 Tonghe Road, Suzhou Industrial Park, Suzhou, China