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Suzhou Eco2 Laser Co. Ltd. Is Into The Manufacturing Of Co2 Laser Tubes In China. **Suzhou Eco2 Laser Co. Ltd.** Is Specialised In The Research, Development And Production Of Co2 Laser Tubes.

Suzhou Eco2 Laser Co. Ltd. Is The Subsidiary Of Suzhou Tianhong Laser Founded In The End Of 2017.

Company Background – Suzhou Eco₂ Laser Co. Ltd.

Heritage From Global Leaders :

- The Co₂ Laser Business Of The World-renowned Jk Lasers(uk) –originally Part Of Gsi Group – Was Acquired In 2015by, A Subsidiary Spi Lasersof Trumpf Group(germany), A Global Leader In Laser Technologies.

Transition to China :

Later In 2015, Spi/trumpf Divested The Co₂ Laser Divisionof Jk Lasers To Suzhou Tianhong Laser. This Gave Tianhong Access To Decades Of Jk's Co Laser Expertise, Technology, And

- Customer Base.
- **Foundation Of Suzhou Eco Laser Co. Ltd.:**

To Carry This Legacy Forward, **Suzhou Eco₂ Laser Co. Ltd.** Was Established As A Subsidiary Of Tianhong Laser, Dedicated To The Co₂ Laser Product Line Ensuring Continuity Of Quality, Service,and Innovation For Global Customers.

- **Today :**

Suzhou Eco₂ Laser Combines The European R&d Heritage Of Jk Laserswith China's Advanced ManufacturingStrengths, Delivering Reliable Co₂ Laser Solutions Worldwide.

The Original Gsi Manufacturing Process, 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.

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 Longer Service Life (over 45000 Hours) And Shelf Life Voltage Type Has More Stable Output Which Means Output, Which Means Less Affected, If There Are Electrical Fluctuations. In Addition Perfect And Stable Beam Shape Delivers Good Cutting Experience And 18 Months Warranty Is Offered.

Advantages

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 Selected Material.



Full High - End Import Laser Slc Series.				
Laser Specifications, Laser Tube Only, Combined Beam Laser				
Laser Specifications	SLC110	SLC140	SLC200	SLC280
Output Power (Rated Power)kw	110W/138W	140W/160W	200W/260W	280W/310W
Beam Quality (m2)	≤1.1	≤1.1	≤1.1	≤1.1
'N' Type	Waist Located At Output Coupler			
Beam Waist (2w,)mm	5.8	5.9	5.8	5.9
Beam Divergence (Mrad Full Angle)	2.6	2.5	2.6	2.6
'N' Type	Waist Located Outside The Output Coupler			
Beam Waist (2w,)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
Polarization	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	8:1	8:1
Single Phase 110V/60 Hz(A)	6	7	13	14
230V/50Hz (A)	3	4	7	8
Cooling Requirements	Water Temperature 15 - 25 Deg C			
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

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 Fluctuations , Considered It As Economy Alternative Choice Of Slc Series. This Series Also Have Single Tube And Combined Type For Option, 18 Months Warranty Guarantees Your Purchase.

Economy Type Laser ELC Series.				
Laser Specifications, Laser Tube Only,				
Laser Specifications	ELC90	ELC110	ELC140	ELC160
Output Power (Rated Power)KW	90W/100W	110W/130W	140W/170W	160W/190W
Beam Quality (M2)	≤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 Angle)	2.6	2.5	2.5	2.5
'B' Type	Waist Located Outside The Output Coupler			
Beam Waist (2W,)mm	4.8	4.9	4.9	4.9
Beam Divergence(Mrad Full Angle)	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

Polarization	Random Polarization/Linear Polarization			
Maximum Strike Voltage (KV)	40	40	40	40
Rated Operating Current /absolute Max.(MA)	28/35	28/40	30/40	30/40
Optimum Current Used (MA)/(W)	28/100	28/12	30/160	30/180
Dynamic Range	Negative High Voltage			
Electrical Requirements	8:1	6:1	6:1	6:1
Single Phase 110V/60 Hz(A)	7	7	7	7
230V/50Hz (A)	4	4	4	4
Cooling Requirements	Water Temperature 15 - 25 Deg C			
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

Economy Type Laser ELC Series.				
Combined Beam Laser				
Laser Specifications	ELC200	ELC260	ELC300	ELC350
Output Power (Rated Power) KW	200W/260W	260W/290W	300W/320W	350W/370W
Beam Quality (m2)	≤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 Angle)	2.6	2.5	2.5	2.5
'B' Type	Waist Located Outside The Output Coupler			
Beam waist (2W,)mm	4.9	4.9	4.9	4.9

Beam Divergence (Mrad Full Angle)	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
Polarization	Random Polarization/Linear Polarization			
Maximum Strike Voltage (KV)	40	40	40	40
Rated Operating Current / 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/60 Hz(A)	13	14	14	14
230V/50Hz (A)	7	8	8	8
Cooling Requirements	Water Temperature 15			
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

Economy Type HLC Series



Positive High Voltage Structure Gsi Usa Original Technology For Catalytic, Gsi Original Inflation Formula For Co2 Gas, Perfect Laser Spot, High Vacuum Technology For Long Life Time. Excellent Beam Profile At All Power Levels, High Stability Output 18 Months Lifetime.

Full High End import Laser SLC series

Economy Type Laser Hlc Series.				
Laser Tube Only				
Laser Specifications	HLC80	HLC100	HLC130	HLC150
Output Power (Rated Power)KW	80W/110W	100W/135W	130W/170W	150W/190W
Beam Quality (m2)	≤1.1	≤1.1	≤1.1	≤1.1
'N' Type	Waist Located At Output Coupler			
Beam waist (2W,)mm	5.0	7.2	7.4	7.6
Beam Divergence (Mrad Full Angle)	2.5	2.5	2.5	2.5
'B' Type	Waist Located Outside The Output Coupler			
Beam waist (2W,)mm	4.8	6.2	6.4	6.6
Beam Divergence (Mrad Full Angle)	3.1	3.1	3.1	3.1

Typical Power Stability (+/-% During Full Power Startup)	5	5	5	5
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 Current /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/60 Hz(A)	7	7	7	7
230V/50Hz (A)	4	4	4	4
Cooling Requirements	Water Temperature 15 - 25 Degc			
Min/Max Pressure (Bar)	2/5	2/5	2/5	2/5
Cooling (l/min)(Deionized 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

Economy Type HHLC Series



Use Gsi Fully Imported Production Technology, High Vacuum Standard, High Quality, Glue Sealing Technique Cost - Effective, Positive High Voltage Structure, Capable For Most Domestic Laser Machines. 12 Months Warranty And More Than 10,000 Hours Of Service Life, Easy To Integrate With Red Light Indicator And Diffuse Cooling Design As An Option.

Economy Type Laser HHLC Series.				
Laser Tube only				
Laser Specifications	HHLC20N	HHLC40N	HHLC60N	HHLC75N
Output Power (Rated Power)KW	20W/30W	40W/50W	60W/70W	75W/90W
Beam Quality (m2)	≤1.1	≤1.1	≤1.1	≤1.1
Type	Waist Located At Output Coupler			
Beam Waist (2W,)mm	5.5	5.5	5.5	5.5
Beam Divergence (Mrad Full Angle)	2.5	2.5	2.5	2.5
'B' Type	Waist Located Outside The Output Coupler			
Beam waist (2W,)mm	5.5	5.5	5.5	5.5
Beam Divergence (Mrad Full Angle)	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 Polarisation/ Linear Polarisation			
Maximum Strike Voltage (KV)	8	12	18	24
Rated Operating Current / 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			
Electrical Requirements	6:1	6:1	6:1	6:1
Single Phase110V/60 Hz(A)	7	7	7	7
230V/50Hz (A)	4	4	4	4
Cooling Requirements	Water Temperature 15 - 25 Deg C			
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



Eco2 Digital production workshop





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