Contents

★ The Technical Specifications/Model's are subject to upgrade /change with out prior notice. For more Details please contact us for the recent developments.

Model Classifying Principle

Laser marking machines are classified into two series, one adopts the YAG laser, the other adopts the Co2 laser, Users can choose different laser marking machines based on the following classification.

YAG series (partial list of suitable materials for YAG laser)

Material	Abbr.	Application
Common metal and alloy		Iron, copper,aluminium,magnesium,zinc,etc
Rare metal and alloy		Gold,Sliver, titanium,platinum
Metal oxide		All kinds of metal oxides
Surface processing		Phosphatizing,aluminium anodizing,electroplating
Crystal		Internal carving in crystal
ABS materials	ABS	Cases for electric appliance,commodities
Painting ink		Transparent button
Epoxy resin	EP	Encapsulating of electronic components insulating layer

Co2 series (partial list of suitable materials for CO2 laser)

Material	Abbr.	Application
Pigment volume concentration	PVC	Tube,wire isolator layer, encapsulating
ABS materials	ABS	Cases for electric appliance,commodities
Polymethyl methacrylate	PMMA	Transparent ,materials, instrumental cases
Bulletproof glue	PC	Transparent high shockproof products
Unsaturated polyester	AK	Coating,ornament,board,button
Polyurethane	PU	Leather shoe soles, man-made leather, paint
Epoxy resin	EP	Encapsulating of electronic components insulating layer
Glass		Glass surface

- Some materials are suitable for both laser type.
- Some materials are not easy to classify.
- Because of the above reasons, please kindly send the material sample to us.After testing,We will choose the most suitable laser machine model for you.
- The tables above are only for reference.

Laser marking compare with other marking technologies

Marking technology	Performance	Graphic and characters change	Consumable
Laser scanner marking	Well	Change at well	No need
Laser mask marking	Better	Not easy to change	Need
Chemical etch	Well	Not easy to change	Need
Spray ink printing	Worth	Easy to change	Need
Mechanical stamping	Worth	Not easy to change	Need

Starlase Systems Pvt. Ltd. Introduction.

Laser System for Marking, Engraving, Cutting & Welding

Establishment & Founder: The Company "STARLASE Systems Pvt. Ltd." was founded in 2014 by Mr.PradeepKumar with a view to establish the laser technology in Industrial ,Engineering and other industries.The founder has gain a vast experience in this field and has worked with German,Chinese,Singapore and Indian based companies.He has hands on experience in PLC, CNC programming & have got Certified Training from SIEMENS.Since the foundation of the company,he has achieved many goals,being represented in a growth above average company ,and with a niche to provide customer's with a satisfactory support.

Process & Activities: The Company Designs, Develops and is involved in sales of Laser Marking,Laser Engraving,Laser Welding for Jewellery,Laser Welding for Industrial application & Laser Cutting for Metal Applications and it corresponds with the different customer and user based applications. This flexibility is demanded by the market, while at the same time it ensures the success of the users with short delivery times and a balanced cost-benefit calculation. The mounting of all high quality components takes place according to orders in own facilities. Here the high demands of worldwide customers are complied with by qualified personnel and a sophisticated quality management concept.

Industries & Applications: All our laser equipments have been widely used in the production of electronic appliances, integrated circuits, telecommunication equipments, computers, auto parts, glass and optical units, medical devices,surgical implants, jewelries, packaging materials, crafts, fashion and clothing, and other fields.

Quality & Service: Each product from Star Laser is strictly examined according to its quality standards before it is put on to the market.Star Laser is confident to produce and provide it's customers the world's first-class laser equipments,with the best Technical support to its customers,so that they can utilize their machine in every manner.

Vision & Mission: Star Laser Technology aims to be a "Star" in the field of Laser.Aims to export Laser Technology all over for different applications to cater all related industries.Provide customers a hassle free machine with full technical support.

Industries Catered : Jewellery Marking / Hallmarking Centre, Bearing Industry**,**
Surgical – Orthopaedic / Surgical Implants / Surgical Instruments / Ophthalmic Instruments , Jobworking Units, Switches Industry , Solar Cutting Cells , Auto Parts , Hand Tools, Carbide Tools, Cutting Tools, Hardware Tools, Gift & Accessories and so on etc..

"Provide Customers with a Laser Solution, in the machine"

Fiber Laser Marking System

Fiber Laser marker has compact in design,high beam quality ,High Optical electrical conversion rate, High peak power, Precise smooth and fine marking. Fiber Lasers are basically air cooling system with low power consumption and maintenance free.

Table top FC/FCS Series

Fiber Laser marker is widely used in Jewellery Industries, Electronics Components, Auto Industries, Medical Industries, Tools , Surgical tools etc.Most common applicable materias are Metals and its alloys, PC, ABS, Plated and Coated material etc.

MODEL	FC10/20/30	FCS 10/20/30
Wavelength	1060-1070	1060-1070
Average Power	10W/20W/30W	10W/20W/30W
Beam Quality	= 2 M^2	= 2 M^2
Laser Energy	0.4 /0.8 ~ 1 mj	0.33 /0.5 ~ 0.6 mj
Repetition Rate	20 - 80 Khz	1-500 khZ
Marking Area	100 x 100mm / 150 x 150mm std	100 x 100mm / 150 x 150mm std
Marking Speed	= 12000 mm/s =	12000 mm/s
Min. Char. Size	0.2 mm	0.2mm
Min Line. Width	50 µm	50 µm
Cooling System	Air	Air
Power Consumption	= 500W	= 500W
Power Requirement	220 VAC / 50Hz / 10A	220 VAC / 50Hz / 10A
Dimensions	500 x 270 x 750 mm	500 x 270 x 750 mm
Weight	50 kgs	50 Kgs

Customize options are available, Please contact us for latest System configuration,

Industrial Fiber Laser Marking System

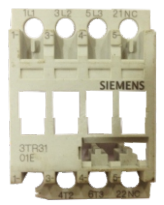
Industrial Fiber Laser Marker has the capability to hold both precise as well as Heavy load object for marking

Motorized Z axis for easy focusing of objects

MODEL	F10/20/30	FS -10/20/30	FD 20/30
Wavelength	1060-1070	1060-1070	1060-1070
Average Power	10W/20W/30W	10W/20W/30W	10W/20W/30W
Beam Quality	= 2 M^2	= 2 M^2	= 2 M^2
Laser Energy	0.4 /0.8 ~ 1 mj	0.33 /0.5 ~ 0.6 mj	0.4 /0.8 ~ 1 mj
Repetition Rate	20 - 80 Khz	1-500 khZ	20 - 80 Khz
Marking Area	100 x 100mm 150 x 150mm others	100 x 100 mm 150 x 150 mm others	100 x 100 mm 150 x 150 mm 3D Marking
Marking Speed	= 12000mm/s =	12000 mm/s	12000 mm/s
Min. Char. Size	0.2 mm	0.2 mm	0.2 mm
Min Line. Width	50 µm	50 µm	50 µm
Cooling System	Air	Air	Air
Power Consumption	= 600W	= 600W	= 600W
Power Requirement	220 VAC /50Hz /16A	220 VAC / 50Hz / 16A	220 VAC / 50Hz / 16A
Dimensions	1390 x 300x 350mm	1390 x 300 x 350 mm	1390 x 300 x 350 mm
Weight	110 Kgs	110 Kgs	110 Kgs

Customize options are available, Please contact us for latest System configuration.

Marking Sample



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Semiconductor Diode Laser marker (Side Pump)

Diode pump Laser marker is an advanced Laser pumping technology , with Semiconductor laser Diode and Q switch pulse control with wavelength of 1064 nm can begenerated. Diode laser generator is small in size better power efficiency than traditional lamp pump technology.

Diode pump laser marker is suitable for marking on Electronic, PVC, Auto parts, Jewelleries, Metal and tools products , Medical Tools, Switch gear Industries, Instrument marking Precise applications etc

MODEL	DP50 / DP75	DP50S/ DP75S
Average Power	50W/ 75W	50W / 75W
Beam Quality	= 3 M^2 / = 5 M2 =	3 M^2 / = 4 M2
Repetition Rate	60 Khz	60 Khz
Marking Area	100 x 100 mm (Std)	100 x 100 mm (Std)
	150 x 150 mm	150 x 150 mm
	other Options	other Options
Marking Speed	= 7000 mm/s =	7000 mm/s
Min. Char. Size	0.4 mm / 0.5 mm	0.3 mm / 0.4 mm
Min Line. Width	70 µm / 90 µm	60 µm / 70 µm
Cooling System	Water	Water
Power Consumption	= 1.5 KW	= 1.5 KW
Power Requirement	220 VAC / 50Hz / 20A	220 VAC / 50Hz / 20A
Dimensions	1400 x 300 x 350 mm	1400 x 300 x 350 mm
Weight	140kgs	140 Kgs

Customize options are available, Please contact latest System configuration,

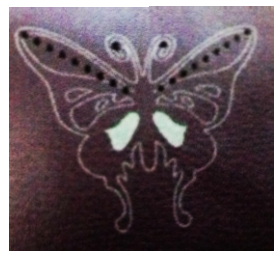
Customize options are available, Please contact us for latest System configuration,

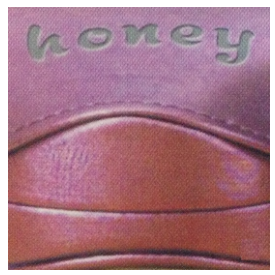
CO2 laser marker

Co2 Laser marker adopts imported high quality RF tube , RF Tube (Metal Tube) has long life , High Stability, Good Beaam quality, also high performace, RF tube is very much suitable for industrial application where long time operating stability is required.

Co2 Laser can mark and engrave non metal products like leather, acrylic, glass,wooden surface, ceramics, buttons, fabrics and clothings, crystal etc.

Co2 is popular in Pharmaceutical, food and beverages,textile , Cosmetics, electronics, crafts gifts etc.





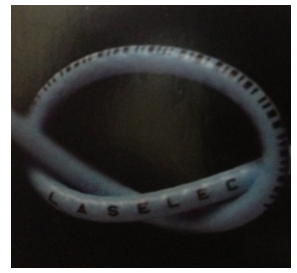
Model	C30/60/80	CA30 /60	CS30/60/80
Laser	CO2	CO2	CO2
Wavelength	10.6 µm	10.6 µm	10.6 µm
Average Output	30W / 60 W/80W	30 W / 60	30 W / 60 W / 80 W
Marking Area	100 x 100 mm / 150 x 150 mm	100 x 100 mm / 150 x 150 mm	200 x 200 mm /400 x 400 mm
Marking Speed	= 7000 mm/s =	7000 mm/s	= 7000 mm/s
Min. Line Width	0.12 mm	0.12 mm	0.12 mm
Min. Char. Width	0.4 / 0.5 / 0.6 mm	0.4 / 0.5 mm	0.4 / 0.5 / 0.6 mm
Cooling method	Water	Air	Air / Water
Power Consumption	220 V / 15A	220 V / 15A	220 V AC / 15A
Electrical Requirement	220 V / 20A	220 V / 20A	220 V / 20A
Dimensions	1400 x 300 x 350 mm	1400 x 300 x 350 mm	1400 x 300 x 350 mm
Weight	140 kgs	140 Kgs	140 Kgs

Customize options are available, Please contact us for latest System configuration,

UV Laser Marker

UV Laser marker is equipped with a 355 nm UV laser that is the end off three times the frequency of diode end pump Laser. It has high conversion rate between laser and electricity.
UV laser has super precision marking capability with low heat affected zone

UV Laser is widely using in Drilling of tiny holes, Flexible PCB, LCD, TFT marking and slicing. Silicon wafer slicing etc.



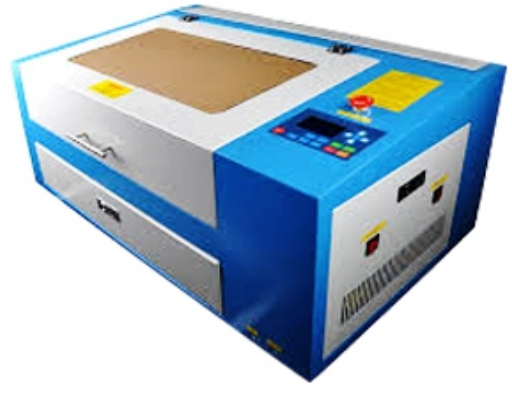
Model	UV3	UV5	UV8
Laser	UV Laser	UV Laser	UV Laser
Wavelength	355 nm	355 nm	355 nm
Laser Power	3W	5W	8W
Beam Quality	= 1.2 M^2	= 1.2 M^2	= 1.2 M^2
Min. Line Width	20 µm	20 µm	20 µm
Min Char. Size	0.15 mm	0.15 mm	0.15 mm
Modulating Frequency	25 ~ 100 Khz	25 ~ 100 Khz	25 ~ 100 Khz
marking Area	100 x 100 mm (Std)	100 x 100 mm (Std)	100 x 100 mm (Std)
Marking Speed	= 7000 mm/s =	7000 mm/s =	7000 mm/s
Cooling System	Water	Water	Water
Power Consumption	= 1.5 KW =	1.5 KW =	1.5 KW
Electrical requirement	220VAC / 50 Hz / 15A	220VAC / 50 Hz / 15A	220VAC / 50 Hz / 15A
Dimensions (L x W x H)	500 x 500 x 650mm	500 x 500 x 650mm	500 x 500 x 650mm

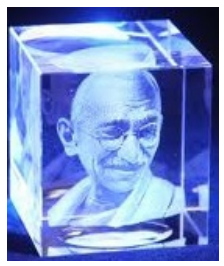
Customize options are available, Please contact us for latest System configuration,

Green and Sub Surface Engraver

Green Laser and Sub Surface Engraving machinesare suitable for marking on Glass, Crystal etc Any 2D / 3D images can be execute through computer Properly Distributed fine high resolution process makes images very smooth and Clear.

Surface and Sub surface engravers are basically for Craft works, Photography and best suitable collections of long lasting images





Model	SSG3	G3
Laser	DP	DP
Wavelength	532nm	532nm
Average Power	3W	3W
Max Pulse Energy	2.4 mj	2.4 mj
Max Engraving Speed	5000 p/s	5000 p/s
Spot Size	50 µm - 150 µm	50 µm - 150 µm
Max Dimension of Object	150 x 150 x 120 mm	750 x 450 x 30 mm
Max Dimesion of Image	80 x 80 x 80 mm	700 x 400 x 30 mm
Cooling System	Water / AIR	Water
Power Consumption	= 700W / 1.5KW =	1.5 KW
Power Requirement	220 VAC/50 HZ/ 10A—15A	220 VAC/50 HZ/ 15A
Dimensions	500 x 650x 750 mm	1400 x 700 x 1400 mm
Weight	65 kgs	100 kgs

Customize options are available, Please contact us for latest System configuration,

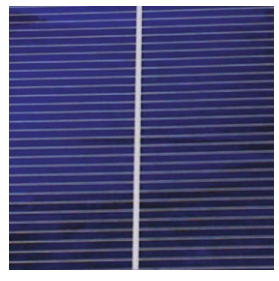
Solar Scriber

We have Two models of Solar scribing system

Semiconductor Diode : Laser generation by Semiconductor Diode with Water cooling System
Fiber Laser : Fiber Laser Generator with Air cooling system

High Speed, High efficiency, Non Contact operation No mechanical Stress, High wafer quality ,
High Precision 2D linear motion platform, High reliability and Stability

Widely used in scribing and cutting of metals and germanium gallium arsenide and other semiconductor substrate material, Processing of Solar cell wafers, Silicon Chips, aluminium foil with very fine fine and smooth edges.



Model	SSD50 / 75	SSF10 / 20
Laser	DP	Fiber
Wavelength	1064 nm	1060 - 1070 nm
Average Power	50W / 75W	10W / 20W
Beam Quality	= 3 M^2 / = 5 M^2	= 1.6 M^2
Kerf Width	0.05/ 0.06 mm	0.03 mm
Cutting Accuracy	0.01 mm	0.01mm
Max Thickness	0.7mm / 0.8 mm	0.7mm / 1.2 mm
Cutting Speed	120mm/s (programmable)	100mm/s (programmable)
Power Consumption	= 1.5 KW =	800 W
Power Requirement	220 VAC/50 HZ/ 15A	220 VAC/50 HZ/ 10A
Dimensions	1500 x x 750 x 1580 mm	780 x 750 x 1570 mm
Weight	150 kgs	160 kgs

Customize options are available, Please contact us for latest System configuration,

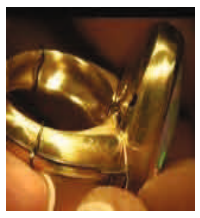
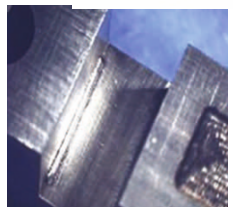
Spot Welder

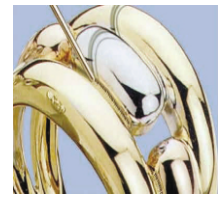
Fixed Light Path laser Welder Series has high peak power penetration capability which results in smooth welding effect with less heat affected zone. Laser welding is very much suitable for very thin metals as well as hard metals Different styles of welding application is possible with laser welding .

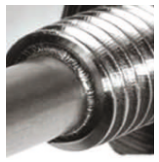
This type of laser welding is commonly used in Jewellery, Dental implants,auto industries, transducers, Electronic compo-nents, mobile industries, hardware, Tools, Utensils etc







Laser Spot Welder / Laser Mold Repair

Model				
Laser	Yag	Yag	Yag	Yag
Wavelength	1064nm	1064nm	1064nm	1064nm
Max. Power Output	60w	100w	150w	200W
Max Pulse Energy	60j	130j	120J	150J
Pulse width	1-10ms	1-10ms	1-10ms	1-10ms
Frequency	1-12Hz	1-12Hz	1-20Hz	1-20Hz
Cooling system	Air/inbuilt chiller	Air/inbuilt chiller	Inbuilt chiller	Inbuilt chiller
Peak power	3kw	5/ 7kw	6kw	7 kw
Power requirement	220V Ac / 50Hz/10A	220V Ac / 50Hz/15A	220V Ac / 50Hz/15A	220V Ac / 50Hz/15A
Deminsions mm(LxWxH)	920x500x500	920x500x500	890x480x1120	890x480x1120
Weight	75kgs	75kgs	140kgs	140kgs

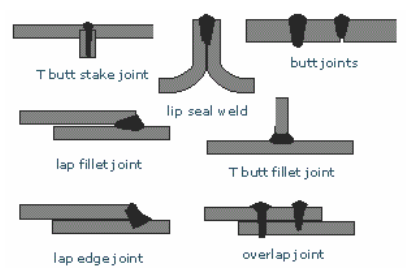
Laser	Yag	Yag
Wavelength	1064nm	1064nm
Max. Power Output	300w	300W
Max Pulse Energy	100-150J	100-150J
Pulse width	1-20ms	1-20ms
Frequency	1-100Hz	1-100Hz
Cooling system	water	water
Peak power	15kw	15kw
Power requirement	380 Ac / 50Hz/40A	380 Ac / 50Hz/40A
CNC/AXIS	DSP 4 axis electric/ manual	DSP 4 axis electric/ manual
Weight	600kgs	600kgs

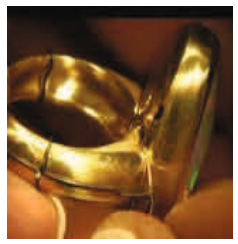
Customize options are available, Please contact us for latest System configuration,

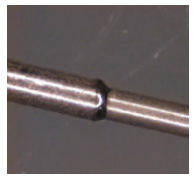
Continuous Laser Welder

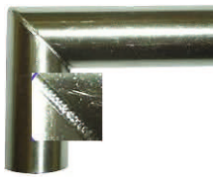
Fixed Light Path laser Welder Series has high peak power penetration capability which results smooth welding effect with less heat affected zone. Laser welding is very much suitable for very thin metals as well as hard metals
Different styles of welding application is possible with laser welding .

This type of laser welding is commonly used in auto industries, transducers, Electronic components, mobile industries, hardware, Tools, Utensils etc









Model	WCS 200	WCS 300
Laser	Yag	Yag
Source	Lamp Pump	Lamp Pump
Max. Output power	200 W	300 W
Max. peak power	6 kw	12 kw
max. Single pulse energy	60J	60J
Pulse width	0.3 -20 ms	0.3 -20 ms
Frequency	1-200 Hhz	1-200 Hhz
Programs storage	50 units	50 units
CNC	googoltech	googoltech
Travel (X x Y x Z)	300 x 300 x 150 mm	300 x 300 x 150 mm
Positioning Accuracy	0.05 mm	0.05 mm
Repetition accuracy	± 0.02 mm	± 0.02 mm
max. Travel speed	120 mm /s	120 mm /s
Power Supply	380 V/ 30A	380 V/ 40A
Cooling system	Water	Water
Dimensions (L x W x H)	1750 x 900 x 1450 mm	1750 x 900 x 1450 mm
Weight	350 kgs	350 kgs

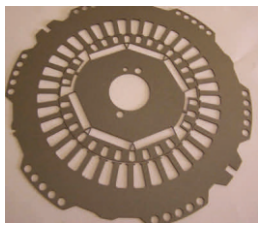
Customize options are available, Please contact us for latest System configuration,

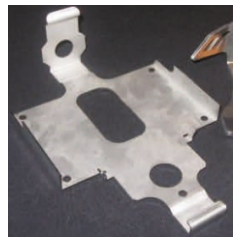
Fiber Delivery Laser Welder / Cutter

Fiber Delivery Laser welding and cutting system equipped with Lamp pump Laser source with Fiber delivery laser Transfer
The main focus of this kind of machine where we need to transfer the laser but not the unit

The Fiber delivery is useful in Tool and Die making, Auto industries, heavy load objects need to be welded or cut

In Fiber Delivery we can choose our own worktable suits with us





Model	CSD 300
Laser	Yag
Source	Fiber
Max. Output power	lamp pump
Cutting Depth	4 mm CS
Pulse width	0.3 -20 ms
Frequency	10-500 Hhz
CNC	googoltech
Travel (X x Y x Z)	300 x 300 x 150 mm
Positioning Accuracy	0.05 mm
Repetition accuracy	± 0.02 mm
Max. Travel speed	120 mm /s
Power Supply	380 V/ 15A
Cooling system	Air / Water
Dimensions source Unit (L x W x H)	1300 x 700 x 1200 mm
Dimensions Work table (L x W x H)	900 x 700 x 1100 mm
Weight	280kgs

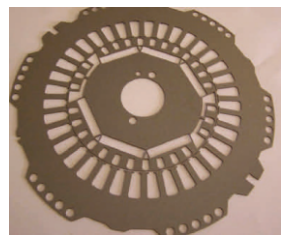
Model	CFD 300
Laser	Yag
Source	Fiber
Max. Output power	Lamp Pump Fiber Delivery
Cutting Depth	4 mm CS
Pulse width	0.3 -20 ms
Frequency	10-500 Hhz
CNC	googoltech
Travel (X x Y x Z)	300 x 300 x 150 mm
Positioning Accuracy	0.05 mm
Repetition accuracy	± 0.02 mm
Max. Travel speed	120 mm /s
Power Supply	380 V/ 15A
Cooling system	Air / Water
Dimensions source Unit (L x W x H)	1300 x 700 x 1200 mm
Dimensions Work table (L x W x H)	900 x 700 x 1100 mm
Weight	220kgs

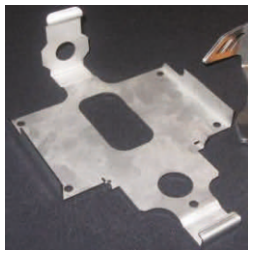
Customize options are available, Please contact us for latest System configuration,

Laser Cutter

Laser Cutting machine has high precision, high quality cutting execution in industries. This machine is useful for cutting thin material where accuracy , precision and smoothness is required.

The common applications are metal crafts, Electronic instruments fabrication, spectacles etc





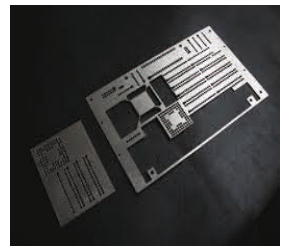
Model	CS 300
Laser	Yag
Source	Lamp Pump
Max. Output power	300 W
max. Single pulse energy	4 mm CS
Pulse width	0.3 -20 ms
Frequency	10-500 Hhz
CNC	googoltech
Travel (X x Y x Z)	300 x 300 x 150 mm
Positioning Accuracy	0.05 mm
Repetition accuracy	± 0.02 mm
max. Travel speed	120 mm /s
Power Supply	380 V/ 40A
Cooling system	Water
Dimensions (L x W x H)	1750 x 900 x 1450 mm
Weight	350 kgs

Model	CF 300
Laser	Yag
Source	Fiber
Max. Output power	300 W
Cutting Depth	4 mm CS
Pulse width	0.3 -20 ms
Frequency	10-500 Hhz
CNC	googoltech
Travel (X x Y x Z)	300 x 300 x 150 mm
Positioning Accuracy	0.05 mm
Repetition accuracy	± 0.02 mm
Max. Travel speed	120 mm /s
Power Supply	380 V/ 15A
Cooling system	Air / Water
Dimensions (L x W x H)	1750 x 900 x 1450 mm
Weight	200kgs

Customize options are available, Please contact us for latest System configuration,

Fiber Laser Cutter

High efficiency cutting Performance, Low running Cost, maintenance free laser generation,
3rd generation Laser cutting technology and creating a new area of metal processing



CNC System		ANCA / Siemens 840D					
X axis traverse	mm	3015			1250		
Y axis traverse	mm	1500			1250		
Z axis traverse	mm	120			120		
Max. work piece weight	Kgs	750			300		
Max. combined speed	m/min	3~15			3~15		
Acceleration of X/Y axis	m/s2	0.8g			1.5g		
Linear axis resolution	mm	0.001			0.001		
Positioning accuracy	mm	0.05			0.05		
Repeatability accuracy	mm	0.03			0.03		
Kerf width (sheet thickness 5mm)	mm =	0.15 (Sheet thickness (5 mm) =			0.15 (Sheet thickness (5 mm)		
Laser beam length	µm	1064 nm			1064 nm		
Laser adapter		SPI / IPG/ Customized			SPI / IPG/ Customized		
Cutting Capacity		500W	1000W	1500W	500W	1000W	1500W
Stainless	mm	3-4	5~6	8 ~10	3-4	5~6	8 ~10
Steel Mild	mm	6	8~10	10~14	6	8~10	10~14
Power		380 v			380 v		
Machine weight	Kgs	4500 kg			2500 kg		

Customize options are available, Please contact us for latest System configuration,

High Power Yag Laser Cutter

Yag Lamp pump laser generator is most economical and powerful cutting machine
Low cost maintenance of the system
High performance CNC with highly accurate linear motion control

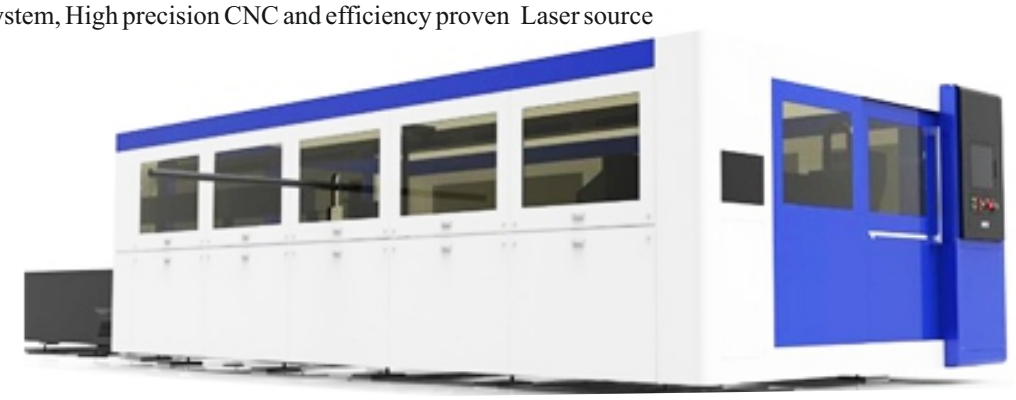
CNC System	ANCA /Siemens 840D/ Customized						
X axis traverse	mm	3050			1250		
Y axis traverse	mm	1550			1250		
Z axis traverse	mm	120			120		
Max. workpiece weight	Kgs	750			300		
Max. combined speed	m/min	3~15			3~15		
Linear axis resolution	mm	0.001			0.001		
Positioning accuracy	mm	0.05			0.05		
Repeatability accuracy	mm	0.03			0.03		
Cooling system		Water 7P Chiller			Water 7P Chiller		
Laser beam length	µm	1064 nm			1064 nm		
Laser adapter		YAG Lamp Pump			YAG Lamp Pump		
Cutting Capacity		500W	600	750	500W	600	750
Stainless	mm	3	4~5	6 ~7	3	4~5	6 ~7
Mild Steel	mm	5	6 ~7	8~10	5	6 ~7	8~10
Power		380 v			380 v		
Machine weight	Kgs	9000			2000		

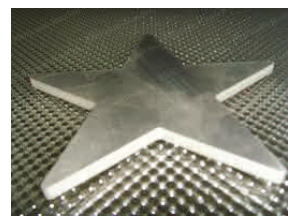
Customize options are available, Please contact us for latest System configuration,

High Power CO2Laser Cutter

The machine incorporates state of the art technology and has stable and reliable performance. As it uses cutting machine achieves high material processing precision and efficiency. Optimized system configuration, together with the use of imported mechanical transmission parts, results in our product being able of outstanding energy savings. Cutting-edge laser technologies like automatic process parameter management can not only increase processing efficiency but also improve cutting quality.

Advantages: High Productivity , Flying beam path, Open type cantilever structure solution, Modular design, High performance laser cutting system, High precision CNC and efficiency proven Laser source



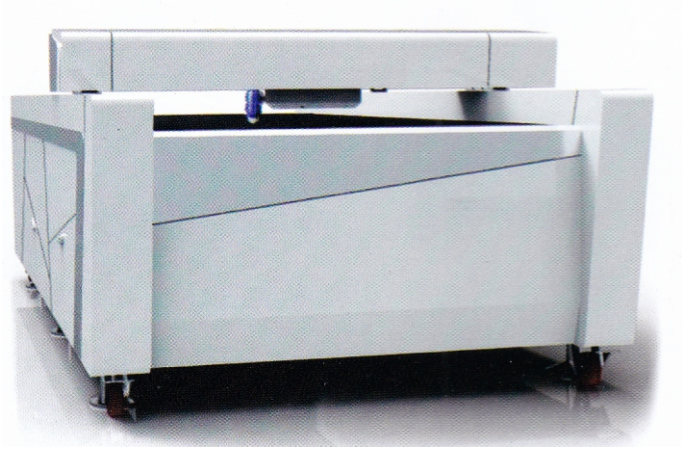


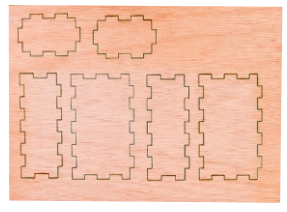
CNC System	ANCA / Siemens 840D						
X axis traverse	mm	3000			4000		
Y axis traverse	mm	1500			2000		
Z axis traverse	mm	150			150		
Max. workpiece weight	Kgs	150			1300		
Max. combined speed	m/min	140			110		
Acceleration of X/Y axis	m/s2	1.2g			0.8g		
Linear axis resolution	mm	0.001			0.001		
Positioning accuracy	mm	0.05			0.08		
Repeatability accuracy	mm	0.03			0.05		
Kerf width (sheet thickness 5mm)	mm =	0.2 (Sheet thickness (5 mm)					
Kerf roughness	µm	=6.3 (sheet thickness 5mm)					
Laser beam length	µm	10.6			10.6		
Consumption of gas	L/H	0 - 60			0 - 60		
Compressed air consumption	M / H	48			48		
Laser adapter		CP			PRC		
Cutting Capacity		2000	3000	4000	2500	3000	4000
Mild Steel	mm	12	16	20	16	20	25
Stainless Steel	mm	5	8	12	8	12	15
Aluminium Alloy	mm	3	5	10	5	10	12
Overall dimension	m	6.3×5×2.5 (single worktable) 10.5x5x2.5 (exchange worktable)			7.3×5.5×2.5 (single worktable) 11.5×5.5×2.5 (exchange worktable)		
Machine weight	Kgs	9000			11500		

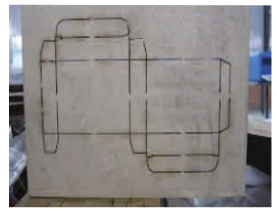
Customize options are available, Please contact us for latest System configuration,

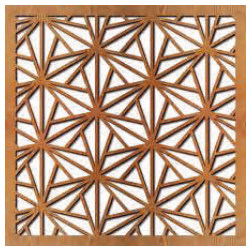
Medium Power CO2 Laser Cutter / Engraver

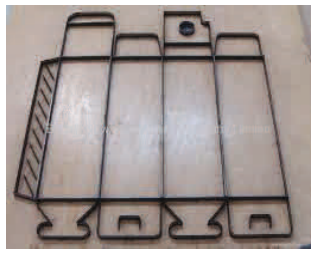
Co2 laser generator is most economical and powerful cutting and engraving machine
Low cost maintenance of the system
High performance CNC with highly accurate linear motion control







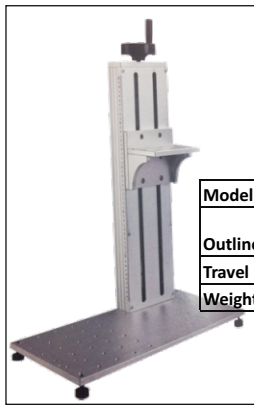




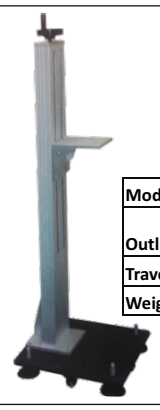
CNC System	Corel Draw		
X axis traverse	mm	3050	1250
Y axis traverse	mm	1550	1250
Z axis traverse	mm	120	120
Max. workpiece weight	Kgs	750	300
Max. combined speed	m/min	3~15	3~15
Linear axis resolution	mm	0.001	0.001
Positioning accuracy	mm	0.05	0.05
Repeatability accuracy	mm	0.03	0.03
Cooling system		Chiller	Chiller
Laser beam length	µm	1064 nm	1064 nm
Laser adapter		Co2	Co2
Laser power		100W / 120W 150W / 260 W Mix Cutting	100W / 120W 150W / 260 W Mix Cutting
Power		220v / 380 V	220V / 380 V
Machine weight	Kgs	900	1000

Customize options are available, Please contact us for latest System configuration,

Accessories / Extra Attachment

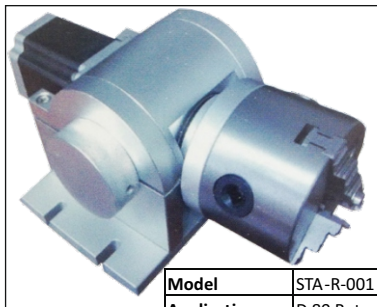


Model	STA-Z-005
Outline	350x560x600 mm
Travel	350 x 560 mm
Weight	18 Kgs

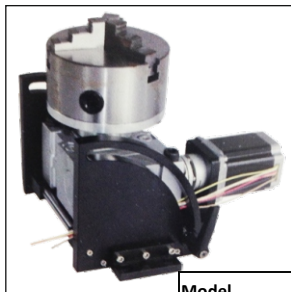


Model	STA-Z-006
Outline	450x450x1350 mm
Travel	600 ~ 1000 mm
Weight	40 Kgs

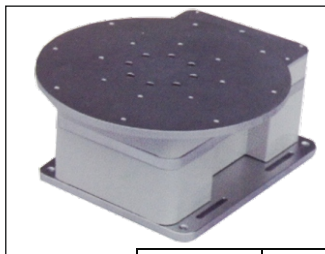
Model	STA-Z- 001
Outline	600x 100x 600 mm
Travel	300mm
Weight	12 Kgs



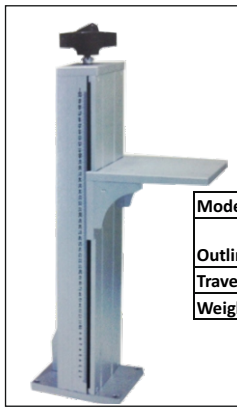
Model	STA-R-001
Application	D 80 Rotary
Pitch angle	360
Size of Chuck	80 /100/120 mm



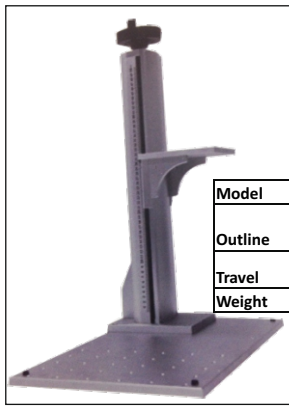
Model	STA-R-002
Application	Rotary
Pitch angle	90
Size of Chuck	80 /100/125 mm



Model	STA-RA-002
Application	Rotary Table
Dimensions	350x300x160 mm
Drive	Step / Servo
Weight	10 Kgs

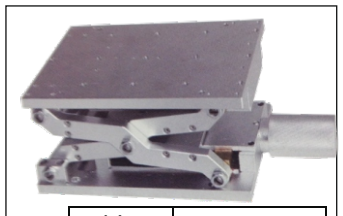


Model	STA-Z-002
Outline	60x170x600 mm
Travel	300 Kgs
Weight	10 Kgs

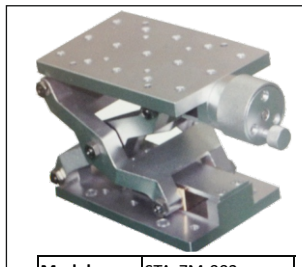


Model	STA-Z-004
Outline	350x560x600 mm
Travel	350 x 560 mm
Weight	12 Kgs

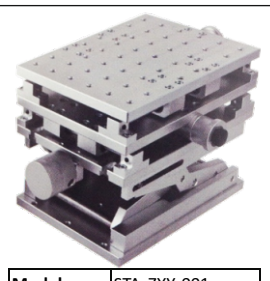
Model	STA-Z-003
Outline	600x100x600 mm
Travel	300 mm
Weight	12 Kgs



Model	STA-ZM-001
Application	Single Dimensional
Dimensions	160 x 90 x 60 mm
Size of Plate	80 x 120 mm
Travel	60 mm



Model	STA-ZM-002
Application	Single Dimensional
Dimensions	260 x 150 x 70 mm
Size of Plate	150 x 210 mm
Travel	150 mm



Model	STA-ZXY-001
Application	ThreeDimensional
Dimensions	260 x 150 x 70 mm
Size of Plate	150 x 210 mm
Travel	150 x 80 x80 mm

Model	STA-RA-001
Application	4 - 8 Positions
Dimensions	460 x 460 x 200 mm
Drive	Step / Servo
Weight	40 Kgs

Customize options are available, Please contact us for latest System configuration,

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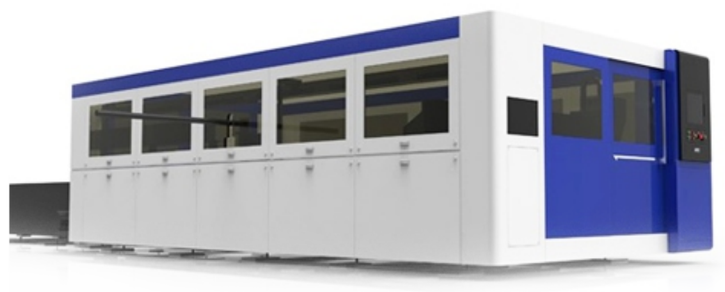

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