

Products

Laser Cutting Machine

Suresh Indu Lasers Pvt. Ltd. is one of the leading manufacturers of Laser Engraving Cutting Machine that is available in Large Format 1225 / 1318. This laser engraving cutting machine is consisting of a controller and laser equipment.



Applicable Materials:

Acrylic, Wood, MDF, Textile, Garments, Paper, Leather, Rubber, and other non-metals

Applicable Industries:

Signage, Indoor & Outdoor Advertisements, Gifts, Shoes, Toys, Garments, Model cutting, Interior & Decorators, Paper & Packaging, Wood & MDF Cutting Industry, etc

System Features:

- SIL Series 1225 Large Format Non-Metal Laser Cutting System
- Special Optics for harsh working environments
- High Quality Industrial Chiller, with easy maintenance

- Gantry Type Structure, High precision imported ball screw system
- Hiwin Linear Guide rail with stable and high precision transmission
- Light & Solid Beam Structure with superior dynamic performance, modular design
- Offers customized service & economical cutting
- Fixed Optical path system ensures consistency of cutting
- Servo motor and drive system technology
- 130 watt DC CO2 Laser Glass Tube with 10 Months Guarantee (150 / 180watt Laser Tube Optional)
- Fixed Steel Strips (Honey Comb Available On Demand)
- DSP based controller for offline work with 32mb file space
- Red Beam pointer
- Twin Zone Exhaust System
- Engineered for Lowest space consumption
- Manufactured in India.

Technical Specifications:

Model No	SIL-1225	SIL-1318
Laser Type	Co2 DC Glass Laser Tube	
Laser Power	130 Watt (150 /180 Watt Laser Tube Optional)	
Processing Area	1250 mm x 2500 mm / 1300 mm x 1800 mm	
Working Table	Fixed Knife Steel Blades	
Working Speed	Adjustable	
Positioning Accuracy	+ 0.1 mm	
Moving System	Offline control Servo motor system	
Cooling System	Constant temperature water chiller	
Power Supply	AC 220 V+ 5% 50/60 Hz	
Formats Supported	AI,BMP,PLT,DXF,DST etc.	
Standard Dust	4 Sets of Bottom Exhaust Fans 9EC	
Optional	CO2 RF Metal Laser tube (60 W /100 W /150 W / 200 W), Also Belt Drive System with Stepper Motor & Drive System Available, Honey Comb, and Vacuum Aluminum Plate for LGP processing Industries, and Auto Feeding System for Textile Application and Conveyor Moving Table.	

Laser Engraving and Cutting Machine

Suresh Indu Lasers Pvt. Ltd. is engaged manufacturing laser engraving cutting machine. Our offered laser engraving cutting machines are highly praised by our prestigious clients for their durability and reliability.



Format :

Small & Medium

Detailed Description

Applicable Materials: Acrylic, Wood, MDF, Fabric, Textile, Garments, Paper, Leather, Plastic, Rubber, Epoxy Resin and other non-metals, Crystal, Plastic, Marble, Granite, Jeans, Fabric, Acrylic, MDF, Wood, Bamboo, Organic glass, Garments, Paper, Leather, Rubber, Ceramic, Glass and other non-metal materials, Anodized Label Marking, Tag Marking etc.

Applicable Industries: Signage, Indoor & Outdoor Advertisement, Art & Craft, Gift, Shoes, Toys, Garments, Model cutting, Interior & Decorators, Paper & Packaging, Wood & MDF Cutting Industry, etc

- The range of SIL Series Laser Engraving and Cutting machine models are categorized by different working areas and CO2 Laser power.
- Hiwin Linear Guide rail with stable and high precision Belt Drive System.
- X-Y Optical path system ensures consistency in cutting.
- Latest Technology Stepper Motor and drive system Technology.
- 100 Watt DC C02 Laser Glass Tube with 10 Months Guarantee (130 /150 Watt Laser Tube Optional)
- Aluminum Strips working table has wide applicable working options and field can engrave all kinds of non-metallic materials within working area. (Optional Honeycomb Available On Demand)

- 32 bit high speed DSP Smart curve controller is designed to improve performance and achieve stable S type acceleration control. Automatic attenuation compensation techniques to achieve the desired result for different cutting parts
- Full opto-coupler isolation system with high-speed differential input and output circuit design, signal is not distorted in long-distance transmission. It can achieve 12 outputs and 16 output status, user friendly Interface.
- Smart curve controller with USB2.0 high speed interface, safer and faster data transmission

Technical Specifications:

Model No	SIL-1590	SIL-1212	SIL-1290	SIL-6090	SIL-6040
Laser type	Co2 DC Glass Laser Tube				
Laser Power	60/80/100/130/150 Watt				
Wave Length	10.6 um				
Supply Voltage	AC 220 V + 10%				
Re-positioning Accuracy	0.1 mm				
Cutting Speed	0~30000 mm / min				
Engraving Speed	0~64000 mm / min				
Cooling Method	Water Cooled				
Work Environment	Temp: 0 c ~ 45 c. Humidity: 5% ~ 95%				
Acceleration Speed	1 G				
Working Area	1500×900 mm	1200×1200 mm	1200×900 mm	600×900 mm	600×400 mm
Graphic File support	PLT, CDR, AI, DWG, DXF, DST, BMP, JPEG, TIFF, GIF, PCX, etc.				

Fiber Laser Marking Machine

Suresh Indu Lasers Pvt. Ltd. is a manufacturer of Fiber laser marking machines that is available in Single Head Marker, Dual Head Marker, Laser Marker with automation, Hologram Marker. This product is manufactured from finest quality material.



Accuwrite – F Series is a complete compact Ytterbium Fiber Laser Marking System with Class 1 enclosure for high speed, crisp, clear and consistent marking on nearly all metals and non metals, for flat or rotary surface. The system is integrated with Pulsed Fiber Laser source using Master Oscillator Power Amplifier (MOPA) technology which is the most advanced and reliable laser source. This Fiber Laser has the highest Wall Plug efficiency, and virtually no maintenance.

System Features:

- Accuwrite F series uses Yb fiber Laser Technology integrated with a Precision beam deflecting unit for marking or micro machining on nearly all metals and non metals.
- The system is compact, efficient and reliable providing the customer the lowest cost of ownership.
- The excellent beam quality and stability, integrated with precision beam deflecting unit, enables Accuwrite F series to provide, high resolution, fast and clear marking on variety of materials, more so than other Laser marking systems available in market.
- The system includes a Auto focus Z axis system, Rotary axis (Optional) and sophisticated, easy-to-use Laser marking / micro machine software, producing marks of various types of shapes, design, bar codes; micro machining to produce die cutting in thin sheets of S. S. Aluminum, Copper Gold etc.

- Accurate F comes with a warranty of 1 year. Thanks to the MOPA fiber having no moving parts, and involving tele-communication grade Laser diodes as pump source, these are highly reliable components.
- Fiber Laser Marking Machine is a very competent model and uses the most modern tools available in the industry.

Technical Specifications

Series No	SIL -F10	SIL-F20	SIL-FH30	SIL-FHF40
Laser Source	PULSED FIBER			
Wave Length	1064 nm			
M ²	1.6 – 2.0		2.6 – 3.7	
Average Power	12 Watt	20 Watt	30 Watt	40 Watt
Peak Power	>9 Kw	>12 Kw	15 Kw	20 Kw
Pulse Energy	0.6 mJ	0.8 mJ	1mJ	1.25 mJ
Full Power Range	20 – 1000 kHz	25 – 1000 kHz	30 – 1000 kHz	
Pulse Width	10 – 200 ns	10 – 200 ns	10 – 200 ns	10 – 250 ns
Output power stability (typical)	3%	3%	2%	2%
Cooling System	Air Cooled	Air Cooled	Air Cooled	Air Cooled Also Water Cooled (Option)
Min Character Height	0.2 mm			
Galvo Scanner	For high speed marking with line marking speed 750 cps			
Marking Field	100 X 100 mm / 200 X 200 mm / 300 X 300 mm			
Marking Accuracy	Better Than 0.050 mm			
Pilot Laser	Red Diode Laser			
Electrical	Input Power Requirement : 230 VAC, 50/60 Hz			
'Z' Axis	Included is vertically adjustable 'Z' axis platform, which can move jobs fixtures, plates, objects (Max 25 kg weight) into the focus field of galvo scanner.			
Rotary Axis	Optional			
UPS / Stabilizer	Optional (Re commanded)			
Supporting Format	Graphics, Text, Barcode, 2-Dimensional Barcode, Auto Data, (Date, Batch Number, Serial Numbers, File Link) Generation.			
Operating System	Windows based software accepts DXF, WMF, JPG, BMP OR HPGL files also accepts output of any Populer software like COREL, AUTOCAD 2000 etc			
Ambient Temp Range ³	0-45°C			
Air Humidity	5-95% RH (non condensing)			

CO2 Laser Marking Machine



Connector, computer chip, and PCB manufacturers are experiencing the benefits of laser marking. The SIL CO2 Laser Marker can also mark plastics, wood, paper, ceramic and coated metals, amongst others.

It offers vastly improved reliability over conventional solutions such as ink jet printing. A key component to any industrial laser marking system, the SIL CO2 Laser Marker features all-digital technology and marks up to 450 characters per second (stationary marking speed). With power options ranging from 10 to 125 watts this machine provides a best-in-class solution for a wide range of marking applications.

Features

- The machine follows industrial standardization module design, while the series has a full set of imported metal sealed radiation, frequency
- CO2 laser, high speed scanning vibrating lens and extending focusing system,
- High stability, anti-intervention industrial computer system,
- High precision vertical up-and-down working table
- Can work 24x7 while delivering high stability, high precision and speed.

This CO2 laser marking machine is specially developed for the non-metals marking industry by SIL. This machine is equipped with an original American RF laser source and high-speed galvanometer. Operational speed is extremely fast with very high

precision. The optical system is fully sealed, and so enables dust prevention thus reducing the equipment failure rate.

1. High precision and fast speed. Marking depth is controllable optionally.
2. Wide applications: It can mark most non-metals.
3. The marking lines are clear, it can withstand heavy wear and tear.
4. The software works in Windows environment and it is compatible with many file formats, including PLT, PCW, DXF, BMP and others saved by CORELDRAW, AUTOCAD, PHOTOSHOP and others. SHX and TTF file formats can be directly imported into the software

Applicable Material

Most non-metals, for example, leather, wood, textiles, plastics, acrylic, glass, crystal, dual-color board, Organic glass, paper, jade, agate, etc.

Technical Specifications:

Model	SIL-CO2-M-10	SIL-CO2-M-30	SIL-CO2-M-50	SIL-CO2-M-100
Max. laser power	10W	30W	50W	100W
Laser wavelength	10.64um	10.64um	10.64um	10.64um
Laser Repetitive rate	=20KHz	=20KHz	=20KHz	=20KHz
Marking range	100 x 100mm	100 x 100mm	100 x 100mm	100 x 100mm
Marking depth	=2mm	=3mm	=5mm	=8mm
Linear speed	=7000mm/s	=7000mm/s	=7000mm/s	=7000mm/s
Min. character	0.20mm	0.40mm	0.40mm	0.40mm
Min. linear width	0.05mm	0.10mm	0.15mm	0.15mm
Repeating accuracy		±0.01mm	±0.01mm	±0.01mm
Power Consumption	800W	1.2KW	2KW	4KW
Electricity requirements	220V/50Hz/3.5A	220V/50Hz/8A	220V/50Hz/11A	220V/50Hz/20A
System dimension	1170x540x1180	1170x540x1180	1170x540x1180	1170x540x1180

CO2 Laser Metal Cutting machine

Detailed Description

Features

- Structure: The structure is a cantilever flying optics structure. The machine can do 2D cutting with cutting head moving, while the sheet metal stays still. The operator can get very close to the machine and load or unload from three directions. It is possible to put extra long and extra wide sheet metal on the machine tool.
- Movable machine tool is separate from the main machine. The transmission part is not in the cutting area. This makes the transmission part some distance away from the heat & therefore guaranteeing accuracy of the machine.
- The weight of the high-strength Aluminum alloy beam structure (Y- axis) is only one third of the weight of the steel structure, enabling it to have good acceleration, with faster and more precise cutting functions.
- X- Axis is transmitted by precision gear & Y-axis is transmitted by precision screw. The maximum positioning speed of the machine can reach 120 m/minute. The efficiency is high.
- The Central lubrication system can be controlled by the system to lubricate the machine automatically. The precision and life of the transmission parts are guaranteed.
- Auto-focusing functions can automatically adjust the focusing point for cutting any material. It is very easy to operate.
- Double focusing cutting heads make it easier to replace mirrors thus saving time.
- Is equipped with a section duster to improve the working environment
- The area beneath the cutting table is divided into several sections. During the cutting process, only the ducts directly beneath the cutting head are open for fume extraction. The ducts in the other sections remain closed to improve dust collection.
- Can also be supplied with a pallet auto-changer that saves your time in loading and unloading.
- The high-strength cast Aluminum alloy beam (Y- axis) with technology property rights, through analysis of finite element and dynamic simulation, achieves precise matching between strength, rigidity and servo drive acceleration and deceleration and NC system.

Technical Specifications

No	Item	Parameters	Unit
1	X axis stroke	3050	mm
2	Y axis stroke	1530	mm

3	Z axis stroke		100	mm
4	Cutting area		3000×1500	mm
5	X?Y axis positioning accuracy		±0.03	mm
6	Repositioning accuracy	X axis	±0.02	mm
		Y axis	±0.01	mm
7	Maximum positioning speed		120	m/min
8	Maximum load-bearing		750	Kg
9	Power of the Laser		3000	W
10	Max. thickness for cutting mild steel(S.S.400)		18	mm
11	Max. thickness for cutting stainless steel(SUS30)		8	mm

Fiber Laser Metal Cutting Machine

Suresh Indu Lasers Pvt. Ltd. has created a niche amongst trusted manufacturer of fiber laser metal cutting machine. These fiber laser metal cutting machines have fiber laser generator ensures high precision and high speed cutting.



Features

1. Type: SIL 500watt, Fiber Laser Metal Cutting – 3015
2. Structure: gantry, flying optics, double drive

3. Cast aluminum alloy beam (Y axis), great dynamic performance. The optical path changes while the sheet keeps still, thus the processing efficiency is high.
4. X/y axis adopts imported gear and rack, reduction gear, whose life and precision can be ensured.
5. Is equipped with section duster to improve the working environment. The area beneath the cutting table is divided into several sections. During the cutting process, only the ducts directly beneath the cutting head are open for fume extraction. The ducts in the other sections remain closed to improve dust collection.
6. European servo motor, reliable and stable.
7. Equipped with IPG or SPI 500W Fiber Laser: IPG & SPI Company are the world's biggest manufacturers of fiber Lasers in the world. The Laser has the following characteristics: the efficiency of photovoltaic conversion is 30% higher and so no need of gas. The cost is only 40% of that of CO2 Lasers. The efficiency of cutting sheet within 3mm thick is 80% higher than that of CO2 Laser; the comprehensive cost is much lower. The transmission of the laser beam depends on the fiber without any mirror. The Laser structure is small and compact with high reliability.

Machine Configuration:

No.	Contents
1	CNC System: High Performance CNC system
2	Pneumatic system: combined of products from SMC, BURKERT, ARK, 3A Company
3	Transmission system: X,Y axis- precision gear and rack
4	Dust remover: The built-in wind machine and channel.(we supply the size of the channel to the customer)
5	One set of specialized cutting head
6	Scrap gathering device: Drawer Scrape cars
7	Lubrication and seal protection for guide
8	High pressure cutting system
9	O2, N2, and air auto-exchange system
10	Electric control system of the machine tool Products of SIMENS, Schneider and other famous domestic companies
11	One LEAD NEST auto-nesting software
12	Reflector beam delivery system – One flexible beam delivery fiber, focus lens, protective lens
13	One chiller
14	IPG 500W Laser
15	Flying piercing function

Technical Specifications:

No.	Item	Parameters	Unit
1	X axis stroke	3000	mm
2	Y axis stroke	1500	mm
3	Z axis stroke	100	mm
4	Sheet size	3000×1500	mm
5	Positioning accuracy	±0.03	mm/m
6	Repositioning accuracy	±0.02	mm
7	Max positioning speed	60	m/min
8	Laser power	500	w
9	Max thickness of mild steel to cut	6	mm
10	Max thickness of stainless steel to cut	3	mm

YAG Laser Spot Welding Machine

Suresh Indu Lasers Pvt. Ltd. is engaged in manufacturing YAG Laser Spot Welding Machine. We provide this YAG Laser Spot Welding Machine with several technical specifications to cater the specific demand of our valuable clients.



Characteristics

This Nd:YAG Laser Spot Welding Machine uses Ceramic Spotlighting cavity from England that has higher reflectance, higher power, very long life. As a proven model in the market, this machine has mature technology and stable performance, and is a volume-selling machine for over four years.

The Machine Comes with High power chiller which keep the systems running for longer time. Special long table is provided with ball-Screw based Z- Axis for precision & easy positioning of jobs & also movement during welding

Applications

- Precision injection die-cast, module fixing metal decoration
- Parts precision stamping
- Parts Welding
- Fix flushing sluice
- Aluminum casting
- Stainless products.

Technical Specifications:

Laser Wave Length	1064 nm
Spotlighting Cavity	English Ceramic Spotlighting cavity
Max Laser power	200 W
Width of pulse	0.1-20 MS
Laser Frequency	0.1-30 Hz
Laser point area	0.3-2 mm
Power of cooling machine	1.5 p
Working area	100 x 120
Total power	6 kw (1 way / 3 way)
Electricity	(1 way) 220 V \pm 5% / 50 Hz / 30 A
	(3 way) 380 V \pm 5%/50 Hz / 20 A
Size	Machine: 600 x 1400 x 1200 mm
	Cooling machine:400 x 650 x 700 mm

YAG: Laser Welding Machine

Suresh Indu Lasers Pvt. Ltd. manufactures highly efficient YAG: Laser Welding Machine at market leading prices. This YAG: Laser Welding Machine is manufactured using premium quality raw materials procured from well established vendors.



Features:

Real time energy feedback loop

Comparing the actual waveform & setting to achieve a more ideal output waveform

Progressive Function

Welder or welding seam-overlapping parts

Controller

Controller can be removed from the panel to be operated by hand

Energy Monitoring Function

Can be detected by monitoring the laser power meter (J) And average power (W) output exception

Wave form control function

Segments waveforms with basic FIX mode FLEX has the performance of complex waveforms

External communications

Detection value for conditions such as 'SET' or can be centrally managed

Variable lens

To balance / eliminate differences caused by surface laser energy loss and improve balance quality differences

High Density

HP – 2552A can be used for precision high speed seam welding (such as for aluminum battery boxes)

Technical Specifications

Maximum Laser Power	300 W	450 W	600 W
Laser Wavelength	1064 nm	1064 nm	1064 nm
Single Pulse Laser Energy	100 J	100 J	100 J
Single Pulse Width	0.1 ms-10 ms	0.3 ms-20 ms	0.3 ms-20 ms

Continuous Pulse Width per Unit Time (1 second)	100 ms/s	100 ms/s	100 ms/s
Frequency Welding Depth	Maximum 1.5 mm	Maximum 3 mm	Maximum 4 mm
Pulse Frequency	1-100 Hz	1-100 Hz	1-100 Hz
Total power	12 KW	16 KW	16 KW
Power Input	Three phase 380 V / 50 Hz	Three phase 380 V / 50 Hz	Three phase 380 V / 50 Hz
Cooling	Water Cooler	Water Cooler	Water Cooler
Fiber Model	Mitsubishi GI / SI Fiber	Mitsubishi GI / SI Fiber	Mitsubishi GI / SI Fiber
Feedback Mode	Current negative feedback; Energy negative feedback	Current negative feedback; Energy negative feedback	Current negative feedback; Energy negative feedback
Descending Ramp	0~999 Adjustable Coefficient	0~999 Adjustable Coefficient	0~999 Adjustable Coefficient
Spot Count	1~999	1~999	1~999
Alarm Recording	Recently 6 set alarm recording	Recently 6 set alarm recording	Recently 6 set alarm recording
Continuous Working Time	= 24-hour	= 24-hour	= 24-hour

Die-Board Laser Cutting Machine

Suresh Indu Lasers Pvt. Ltd. has been able to manufacture high quality Die-Board Laser Cutting Machine to our valuable customers. These Die-Board Laser Cutting Machines are known for their high performance and low maintenance.



Features:

- Advanced Controller System + USB Port + DPS Offline Control.
- Auto Following and Focus System.
- 3. 300 W Laser tube with Sharp Beam Quality, efficiency and longer life.
- Imported ball screws and guide rail, stepper motor, guaranteed high speed and high precision.
- Tempering heat-treated lathe bed that cannot easily be deformed.
- Fixed optical Path Laser Head Fixed, X-Y Table Movement.
- Thicknesses of 15 mm, 18 mm, 20 mm, 22 mm die board can be cut in arbitrary widths, such as 0.45, 0.71, 1.05, 1.42 mm etc. kerf uniform, consistency from top of bottom seam. Once turned on, the machine can work instantly.
- Low cost and no gas consumption, only Laser power consumption 220 V Electrical power, with consumption of 3 kw /H power.
- Simple layman can operate without wasting boot time open cutting process.
- Simple operating procedures, therefore short training.

Industrial Applications

Knife mould Marking Production of printing Plates, 18 mm wood Cutting, Large format could be used in many industry lines like Acrylic cutting, Fabric cutting etc; it can also work well in aircraft engraving & Designing, toy making, and many other non-metal materials.

Technical Specifications

Type	SIL- 300-DB
Cutting area	1500 x 1200 mm
Laser Power	300 W
Laser Type	Sealed Laser Tube
Lifetime of Laser Tube	More Than 10,000 hours
Cooling Mode	Water Cooling & Protection System
Cutting Speed	10 – 6000 mm / min
Repeated Position precision	+ - 0.1 mm
Maximum Cutting Depth	Depth : 22 mm
Cutting Area	1200 x 900 mm / 1500 X 1200 mm / 1500 X 2500 mm
Cutting Width	0.35 mm,-0.75 mm adjustable, > 0.75 mm adjustable
Support Format	PLT, BMP, DXF, DST, a variety of formats, such as a DWG, HPGL

Controlling Software	DSP Control System
Compatible Software	Corel Draw ,AutoCAD, Photoshop
Driving System	Stepper / AC Servo (optional)
Machine Power	3 KW
Working Voltage	AC 220 V (+ / – 10 %) 50-60 Hz / 3 Phase AC 50 Hz

YAG: Laser Metal Cutting Machine

Suresh Indu Lasers Pvt. Ltd. is manufacturer of YAG: Laser Metal Cutting Machine that is made with the latest technology. This YAG: Laser Metal Cutting Machine is mainly used to cut or engrave nonmetal, high speed, high precision, easy to operate.



Detailed Description

Characteristics

This is an indigenously manufactured 600 watt, YAG laser Source Laser Metal Cutting Machine with high focus optical stability. It is virtually adjustment free and effective in inhibiting the thermal lens effect. It adopts an automatic-focusing and height tracking system to avoid changes in cutting quality that occur due to deformities and bumps in the profile cutting steel sheet.

Low one-time investment, cost-effective, high returns: Ideal top priority purchase!

The Laser System in this machine is a superior quality Indigenous Solid State Laser Technology Power 600 watt. It is integrated with a CNC X-Y work Table having Ball Screw and Servo System. The system also includes a precision Cutting Head.

Advantages and Applications:

1. High Precision: Applicable for high-precision required part cutting; and precise part cutting for arts and crafts.
2. High speed: 100 times faster than linear cutting.
3. Small heat affected zone, cannot be easily distorted. Cutting edges are very smooth, no need for further processing.
4. High cost-performance ratio: only 1/3 of similar CO2 Laser cutting machines and 2/5 of CNC punching machines with similar functions are available at this price point.
5. Low maintenance cost

Technical Specifications:

Laser Wavelength	1064 nm
Max. Average Laser Output	600 W
Pulse Width	0.2~20 ms, Continuously Adjustable
Pulse Frequency	0.1~500 Hz, Continuously Adjustable
Energy Instability Degree	<=5%
Continues Operating Time	>=20 Hour
Work Table Precision	± 0.1 mm (within 3000 mm x 1500 mm)
Max Processing Area	3000 mm x 1500 mm
Power Supply	3-phase AC 380 V, 50 Hz, <=20 KVA
Software	Optional
Air Pressure	Compressed air, 0.7 PA

CNC Router

- 1) Excellent Speed, Efficiency, High Precision CNC Engraver Router Machine built in X, Y Axis Drive System Rack and Pinion with 25 mm Square Linear Rails achieving High positioning, motion accuracy & longer life.
- 2) Working Table with Aluminum T-Slot and PVC Sheet for protection of worktable which ensures for longer life.
- 3) Optional 1.5 kw / 2.2 kw / 3.5 kw / 4.5 kw / 6.0 kw / 7 kw / 9 kw / 12 kw Spindles of various power.
- 4) Handheld DSP Controller to set Job parameter, and download from computer via USB cable and USB key also.
- 5) Original Italian HSD Spindle Longer Life and Guaranteed Performance



Options

Special Size Table. From 4 x 4ft ~ 7 x 21 ft.

Vacuum Table or aluminum T- Slot Extrusion Table.

Automatic Lubricating System.

Mist Cooling System.

Machine Moving Feet

Manual Tool Changer Spindle

Technical Specifications

Model No-	CNC-6090	CNC-1212	CNC-1335	CNC-1530
X, Y, Z, Working Area	600x900x120 mm	1220x1220x120 mm	1300x2500x200 mm	1500x3000x200 mm
Table Size	780x1316 mm	1294 x 1560 mm	1294 x 1560 mm	2150 x 3800 mm

Resolution	± 0.03/300 mm			
Repeatability	± 0.02 mm		± 0.05 mm	
Lathe Structure	Cast Steel, with Stand	Welding Steel Structure	Cast Steel, with Stand	Welding Steel Structure
X,Y,Z Structure	Ball Screw and Linear Rails		Rack Pinion, Ball Screw Linear Rails	
Table	T-Slot Table		T-Slot Table + vacuum Pump	
Linear Guide	Hg 25 for Y axis, HG 20 for X and Z			
Max. Consume Power	3.0 Kw	4.0 Kw	6.5 Kw	
Max. Rapid	0-18000 mm / min	0-10,000 mm / min	0-32000 mm / min	
Max Working Speed	0-15000 mm / min	0-6000 mm / min	0-20000 mm / min	
Spindle	1.5 Kw Air- Cooling spindle, ER 16		4.5 Kw or 6 Kw Italian HSD spindle, ER 25	
Spindle Speed	0-24000 rpm		0-18000 rpm	
Working Mode	Stepper			
Working Voltage	AC 220 V, 50/60 Hz, Single Phase		AC 220 V / 380, 50/60 Hz, 3 Phase	
Command Code	G Code (*uoo, *nc, *mmg, *plt)			
Operating System	NC Studio DSP Control System			
Interface	Printer Port 50 pins OR USB			
Memory	128 MB (or Flash Drive)			
Software	Type3, Ucancam V9, Artcam			

X, Y Working Accuracy	< 0.01 mm			
Painting	Sand Polishing and Powder Coating			
Inverter	Delta / Sufar / Fuling (Any One make)			
Optional 1:	Rotary Attachment Size Diameter 125 mm, Length 1300 mm			
Optional 2 :	Original Artcam Software.			
Dust Collector	With Dust Collector Hood		2.2 Kw, Dual Bags, 220 V, 1ph	
Packaging Size	1780x1180x1670 mm	1920x1830x1680 mm	3140x1940x1780 mm	3680x2130x1850 mm
Gross Weight	250 Kg	800 Kg	1200 Kg	1750 Kg