

## Smartshop Fiber Laser CBX -Precision *Fiber Laser Engraving*

### Owner's Manual

Technical Parameters/Machine Briefing-  
Machine Set-up.

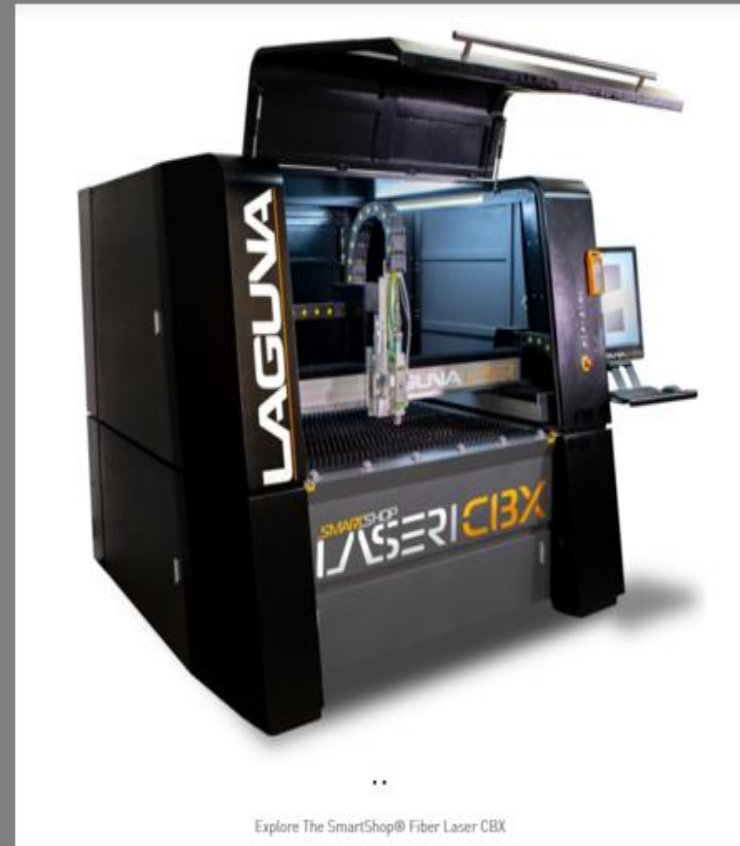
Installation Foundation-

Installation/Operational Instructions-

Warranties-

### Features:

- Working Area 3.25ft x 4.9ft
- Laser Power Starting At 1KW Up To 2KW
- Rapid Travel Speed: 1,200 in/min
- Drive method Ball Screw
- Reposition Accuracy  $\pm 0.02\text{mm}$
- Minimum Line Width 0.01mm



Explore The SmartShop® Fiber Laser CBX

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CO2 Laser Machine © 2021 Laguna Tools 6/01/2021



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## Technical Parameters-

<b>Technical Parameter</b>	
<b>Machine Model</b>	Smartshop Fiber Laser CBX
<b>Laser Power</b>	1000kw, 1500kw, 2000kw
<b>Dimension</b>	2210mm X 2160mm X 1630mm 87.0 In. X 85.0 In. X 64.17 In.
<b>Working Area</b>	1300mm X 900mm or 51.18 In. X 35.43 In.
<b>Repeat Positioning Accuracy</b>	+/-0.01mm or .0004in
<b>Maximum Speed</b>	40M/Min. or 131ft./Min.
<b>Maximum Acceleration</b>	0.5G/0.5g or 4.9 m/s <sup>2</sup> or 16.07 ft./s <sup>2</sup>
<b>Specified Voltage &amp; Frequency</b>	220V/480V/50Hz/60Hz/60A



## **Machine Briefing-**

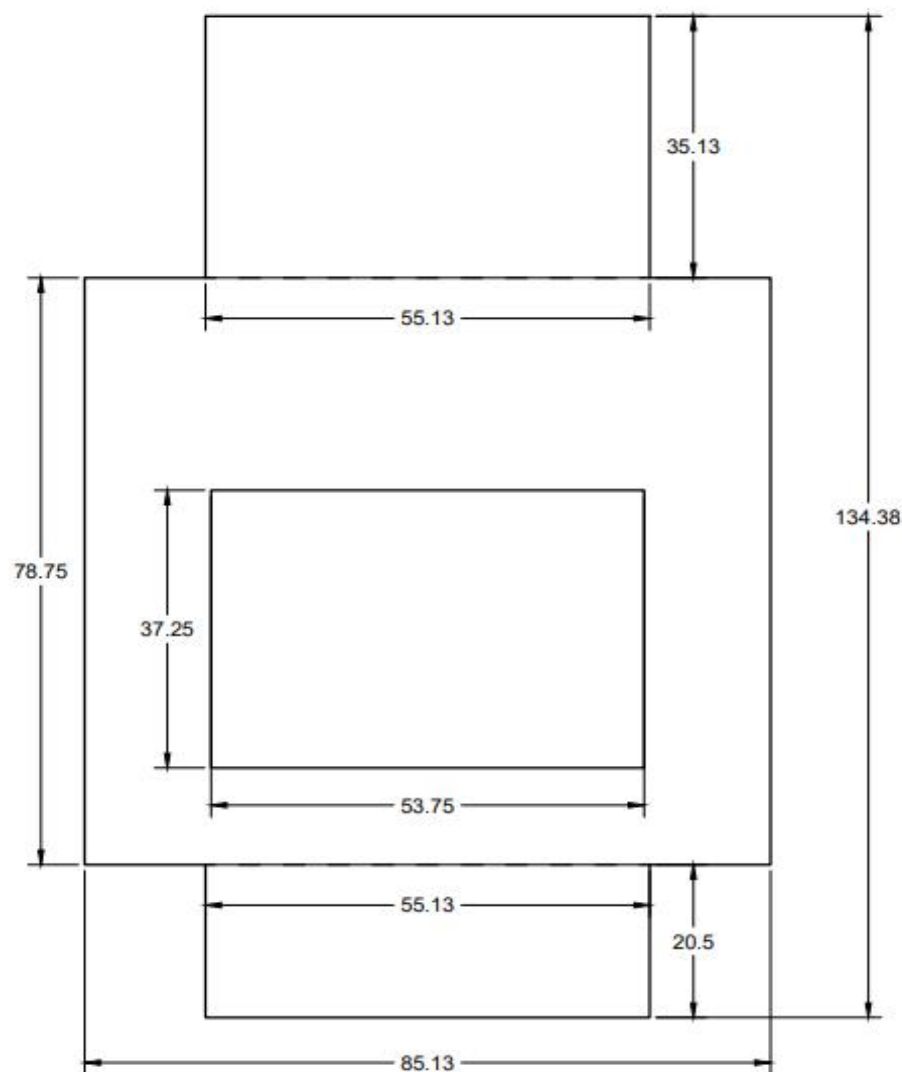
The Laguna Tools Smartshop® Laser/CBX is equipped with an enclosed working area preventing dust and eliminating light pollution. It also comes with a casting beam for increased rigidity and stability. For smooth operation, the CBX uses water/forced air cooling, a dust prevention system, and an automatic lubrication system to ensure longevity and consistency. The Smartshop® Laser/CBX Fiber Laser cutting Machine is special for high precision machinery parts & microelectronics Industry. This machine is faster speed & high precision is professional for cutting thin metal sheet as Stainless Steel, Carbon Steel Sheet, Galvanized Steel sheet, etc.

### **Features:**

- Working Area 3.25 ft x 4.9 ft
- Laser Power Starting At 1KW Up To 2KW
- Rapid Travel Speed: 1,200 in/min.
- Drive method Ball Screw
- Reposition Accuracy  $\pm 0.02$  mm
- Minimum Line Width 0.01 m



## CBW Fiber Laser Unit Footprint-



SmartShop® Fiber Laser CBX  
Metal Engraving – Metal Etching

The Laguna SmartShop® Laser|CBX is equipped with an enclosed working area preventing dust and eliminating light pollution. It also comes with a casting beam for increased rigidity and stability. For smooth operation, the CBX uses water/forced air cooling, a dust prevention system, and an automatic lubrication system to ensure longevity and consistency.

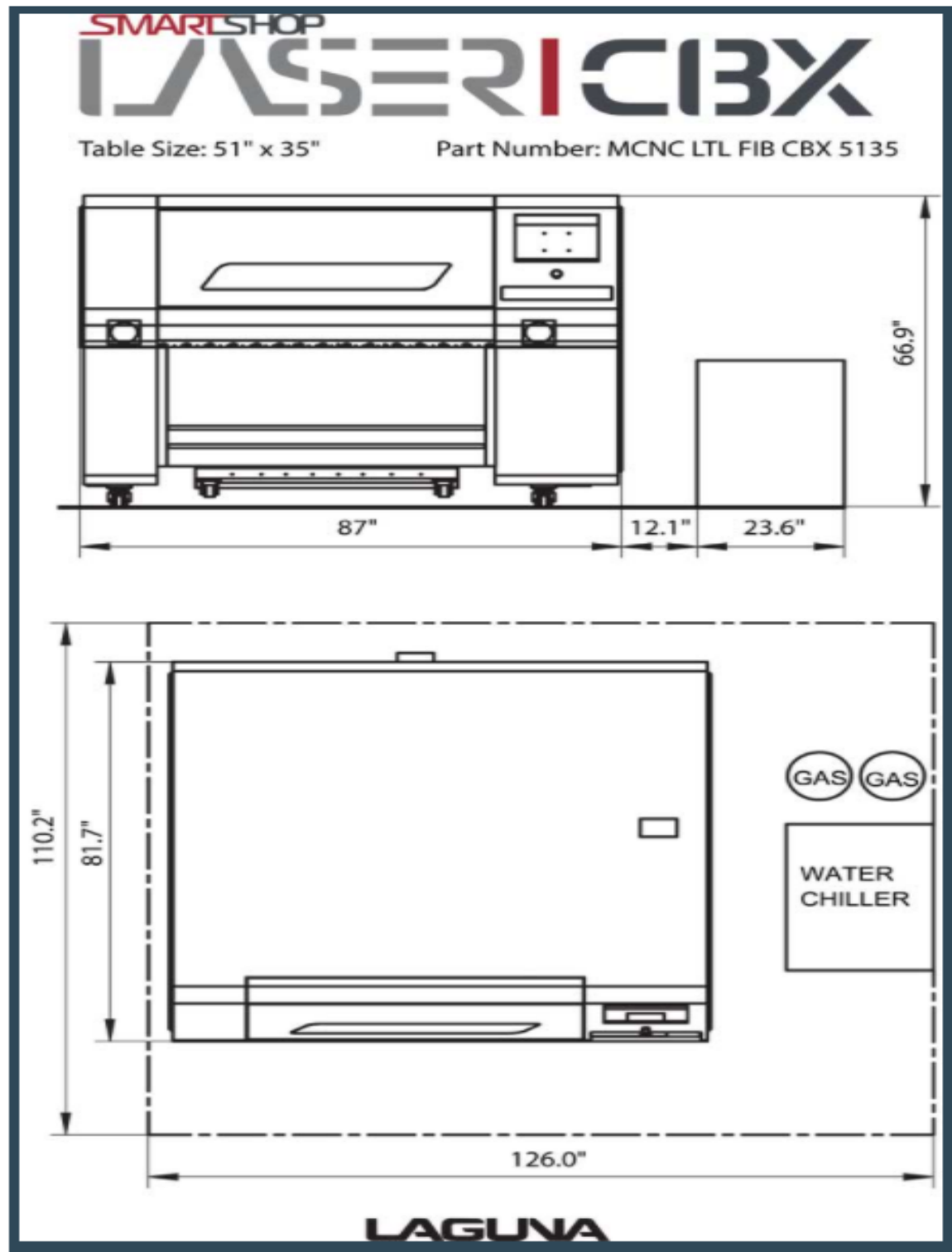
### Features:

- Working Area 3'-1/4" x 5'
- Laser Power Starting At 1KW Up To 2KW
- Rapid Travel Speed: 1,200in/min
- Drive method Ball Screw
- Reposition Accuracy  $\pm 0.02\text{mm}$
- Min.line Width 0.01mm

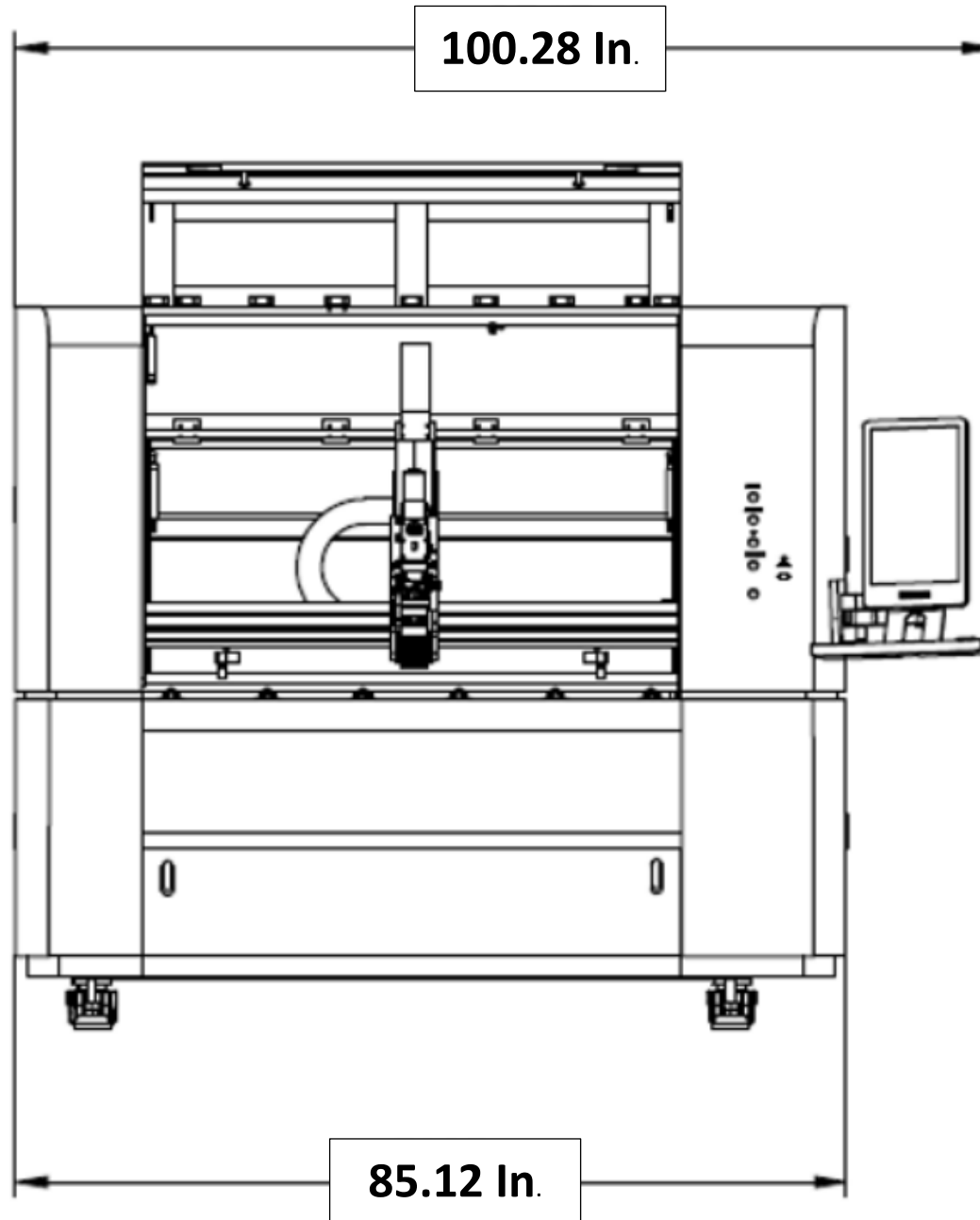
<b>LAGUNA</b>				
<b>SMARTSHOP LASER CBX</b>				
APPROVED	SIZE	CODE	DWG NO	REV
CHECKED	B			
DRAWN	Matt Henry	4/15/2021	SCALE 1:16	WEIGHT
			SHEET 1/1	



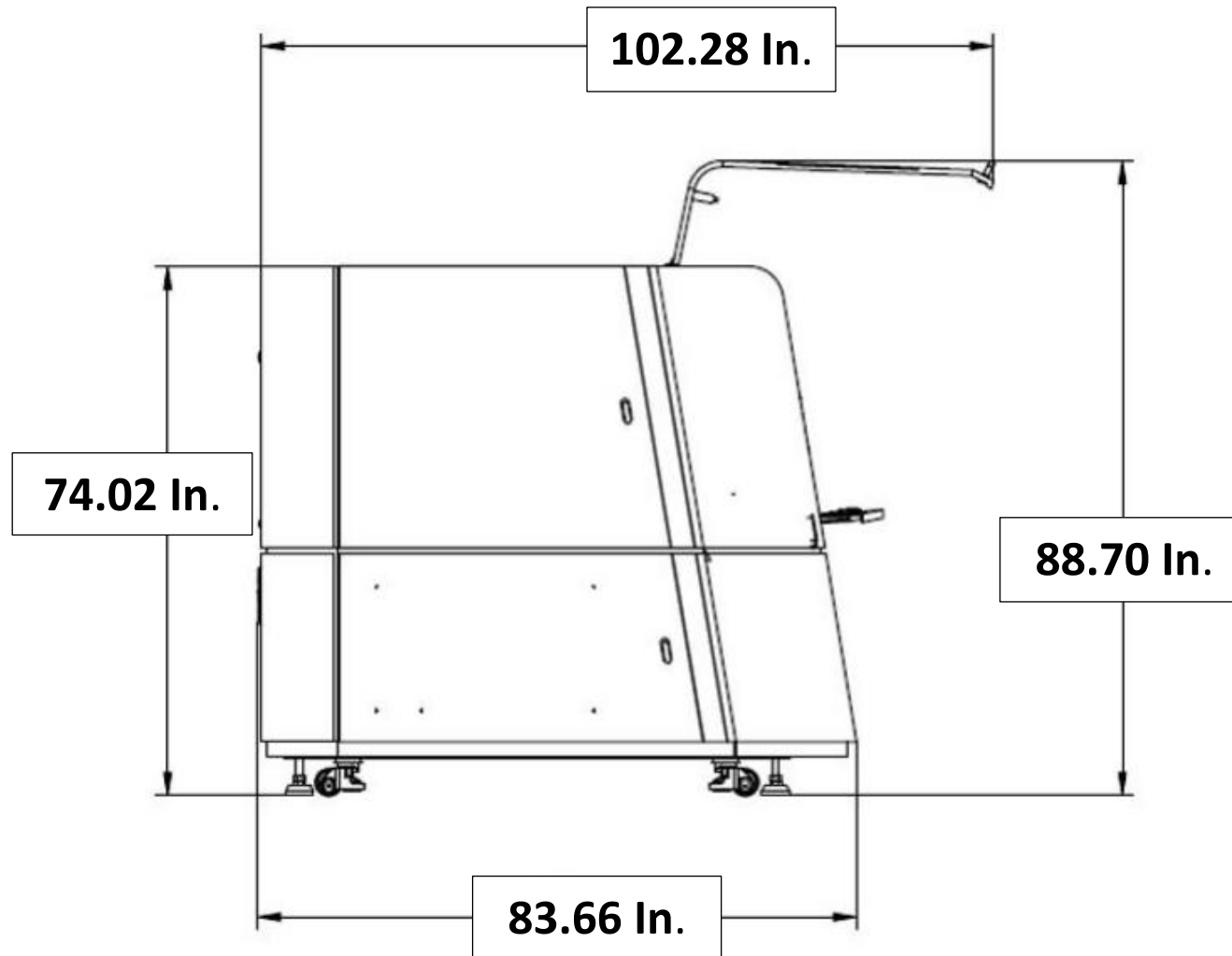
## Machine Sight & Set Up-



## Machine Sight & Set Up (Cont'd.)-



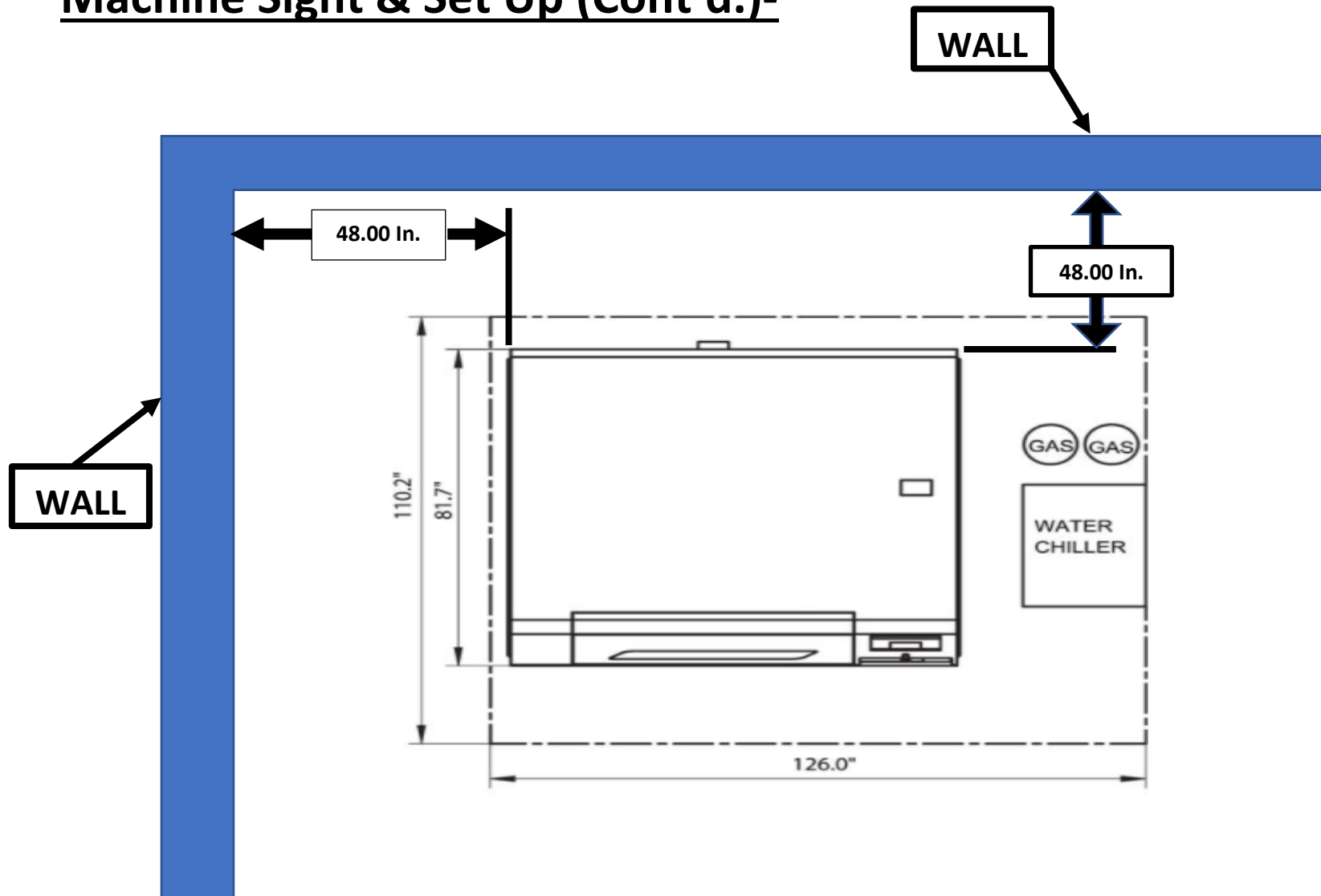
## Machine Sight & Set Up (Cont'd.)-



The left and right sides, front and back sides of the machine, the Machine must be least 1.2 meters or 48 Inches from the workshop wall.



## Machine Sight & Set Up (Cont'd.)-



**The left and right sides, front and back sides of the machine, the Machine must be least 1.2 meters or 48 Inches from the workshop wall.**

# **Set-up Ground Requirements for Installation-**

## **Support Ground Requirements for Installation-**

The flatness of the ground is  $\pm 10\text{mm}$  and it can withstand more than 6 tons of heavy objects. The foundation should be installed without large vibrations around it. Insert the steel plate in the ground according to the machine foot position drawing located under the Installation Foundation Instructions. The thickness of the steel plate is 20mm or .75 In. or more, and the size is not less than 250mm (10 In.) X 250mm (10 In.).

## **Power Requirements-**

**1.) Specifications:** Three-phase five-wire system, 220V/480V 50Hz, capacity depends on laser type and capacity.

**2.) Quality:** Three-phase imbalance  $<2.5\%$ , line voltage fluctuation  $<5\%$ , Single-Phase 220V  $\pm 5\%$ . Must be equipped with a stabilized power supply: the stabilized power supply can ensure the stability of the machine's input voltage, so that the entire machine and laser work in a relatively good state.

Air compressors and fans should not pass the machine's regulated power supply to prevent power changes of high-power equipment interfering the laser power output.

## **Ground Wire for Protection-**

Make a grounding pin and ground wire near the machine. The machine can also be connected to the ground wire of the power supply. The ground wire resistance should be less than 4 ohms.

### **Ground Wire for Protection-**

The total number of ground pins is 3 or more. The material is pure copper or galvanized. The diameter of the ground pins is 15mm or .62 In. and the length is more than 1.5m or 5 Ft.

### **Environmental Requirements-**

Requires a well-ventilated, dust-free, non-corrosive, and leak-free site environment. The control unit, servo unit and display are the core of the machine tool, and the machine should be protected from electromagnetic interference. \*\*\*Keep away from Arc Welding and EDM (Electrical Discharge Machining), so as not to affect the normal operation of the machine and laser.

### **Unloading Requirements-**

- 1.) When the Crate containing your newly purchased Smartshop® Laser/CBX is delivered, it will be delivered “Curbside”, in other words the Machine will be delivered in front of the Driveway of one’s Garage/Shop or Workspace. (\*\*\*\*It is the Purchasers responsibility of moving the Machine into His or Hers Garage/Shop or Workspace.\*\*\*\*)
- 2.) One should obtain a Crane: Hydraulic crane / crane (10T or above, 4 groups of 10T rings, 2 10M long, 10T straps).
- 3.) One should obtain a Forklift: The forklift can fork items weighing 10T or more.

4.) To Open Crate-Acquire some standard tools for taking apart the Crate.

a.) Hammer.



b.) Pry Bar.



c.) Wire Cutters.



d.) Cordless Drill.



5.) Cut all straps only on the Crate.



6.) Unscrew a series of Screws at the Base of Crate using a Cordless Drill.



## 7.) Unscrew and Remove Side Panels of Crate.



## CBX Damage Notification-

- 1.)The Machines are thoroughly tested before leaving any or our Laguna Tools Facilities, but that does not mean the Machines would not experience any damage in transit.
- 2.) Before one Signs the Bill of Lading (See Example Below) when the Trucking Company drops off the Machine, **visually inspect the entire crate and check for any damage**

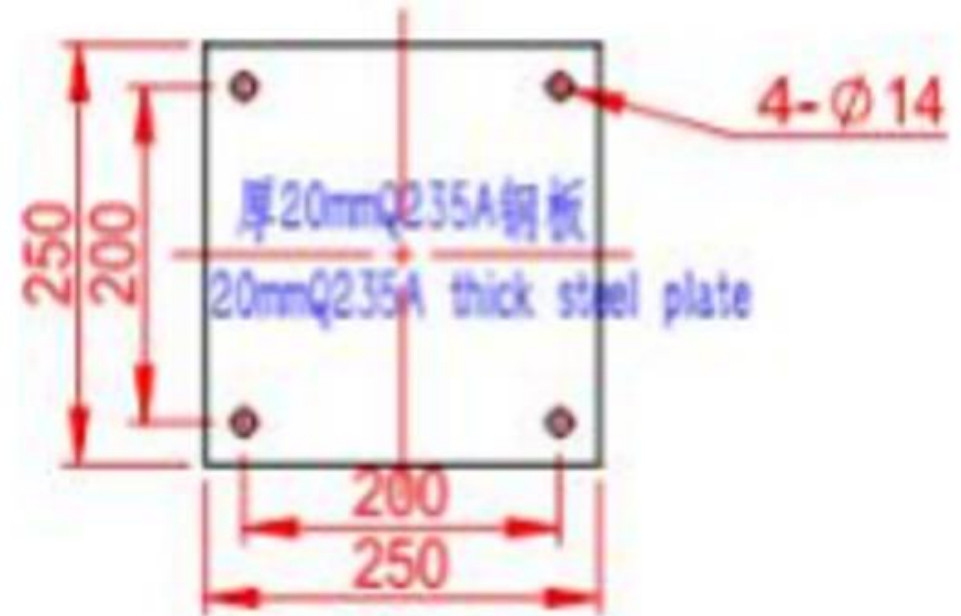
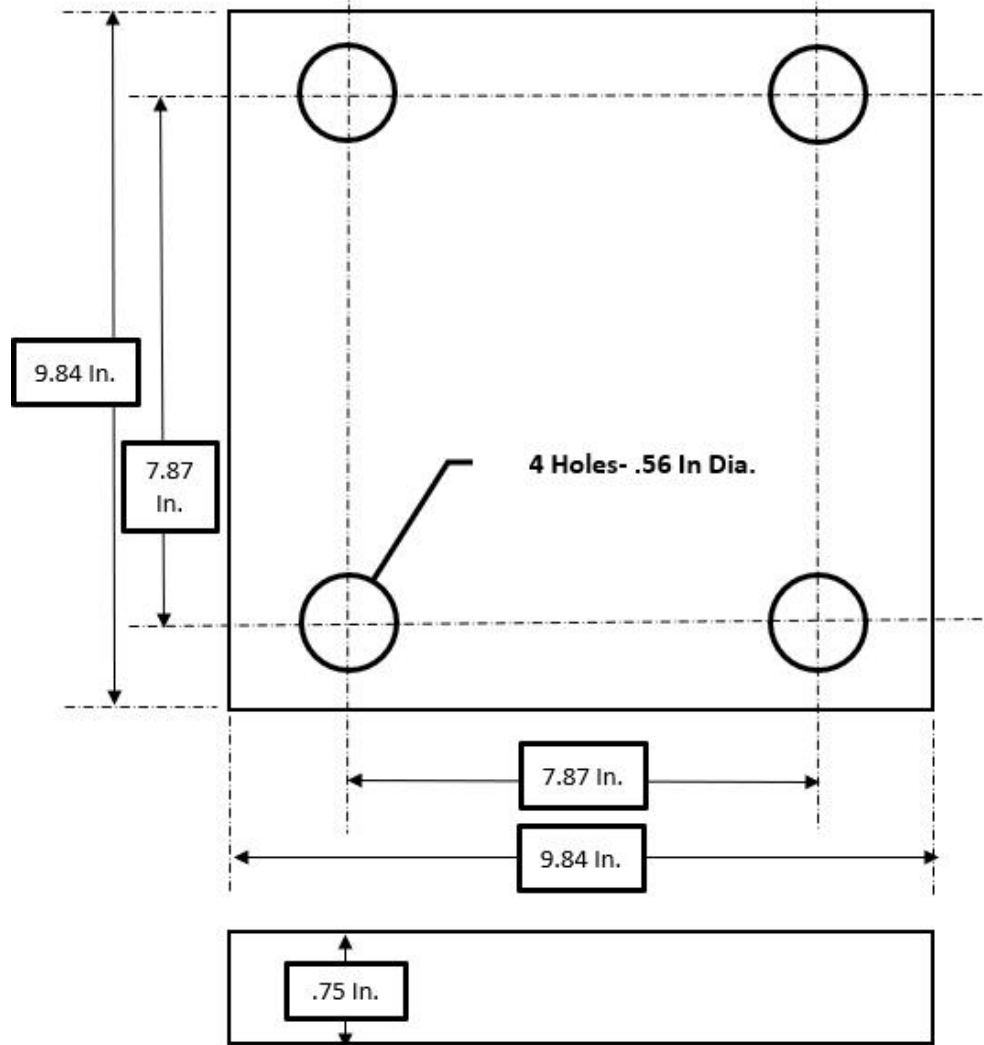
[Click to select date] BILL OF LADING – SHORT FORM – NOT NEGOTIABLE Page 1 of 1									
SHIP FROM					Bill of Lading Number:				
Laguna Tools 744 Refuge Way Suite #200 Grand Prairie, TX 75050 SID No.:					BAR CODE SPACE				
SHIP TO					Carrier Name:				
[Name] [Street Address] [City, ST, ZIP Code] CID No.:					Trailer number: Serial number(s):				
THIRD PARTY FREIGHT CHARGES BILL TO					SCAC:				
[Name] [Street Address] [City, ST, ZIP Code]					Pro Number:				
Special Instructions:					Freight Charge Terms (Freight charges are prepaid unless marked otherwise): Prepaid <input type="checkbox"/> Collect <input type="checkbox"/> 3rd Party <input type="checkbox"/> <input type="checkbox"/> Master bill of lading with attached underlying bills of lading.				
CUSTOMER ORDER INFORMATION									
Customer Order No.		# of Packages		Weight		Pallet/Slip (circle one)		Additional Shipper Information	
						Y N			
						Y N			
						Y N			
						Y N			
Grand Total									
CARRIER INFORMATION									
Handling Unit		Package						LTL Only	
Qty	Type	Qty	Type	Weight	HM (X)	Commodity Description <small>Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation with ordinary care. See Section 2(a) of NMFC item 380.</small>		NMFC No.	Class
Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property as follows: "The agreed or declared value of the property is specifically stated by the shipper to be not exceeding _____ per _____"						COD Amount: \$ Fee terms: Collect <input type="checkbox"/> Prepaid <input type="checkbox"/> Customer check acceptable <input type="checkbox"/>			
Note: Liability limitation for loss or damage in this shipment may be applicable. See 49 USC § 14706(c)(1)(A) and (B).									
Received, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications, and rules that have been established by the carrier and are available to the shipper, on request, and to all applicable state and federal regulations.						The carrier shall not make delivery of this shipment without payment of charges and all other lawful fees.			
Shipper Signature/Date						Trailer Loaded: <input type="checkbox"/> By shipper <input type="checkbox"/> By driver		Carrier Signature/Pickup Date	
<small>This is to certify that the above-described materials are properly classified, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the DOT.</small>						Freight Counted: <input type="checkbox"/> By shipper <input type="checkbox"/> By driver/pallets said to contain <input type="checkbox"/> By driver/pieces		<small>Carrier acknowledges receipt of packages and required placards. Carrier certifies emergency response information was made available and/or carrier has the DOT emergency response guidebook or equivalent documentation in the vehicle. Property described above is received in good order, except as noted.</small>	



## Installation Foundation Instructions-

### Steel Plate for Machine Foot Requirements-

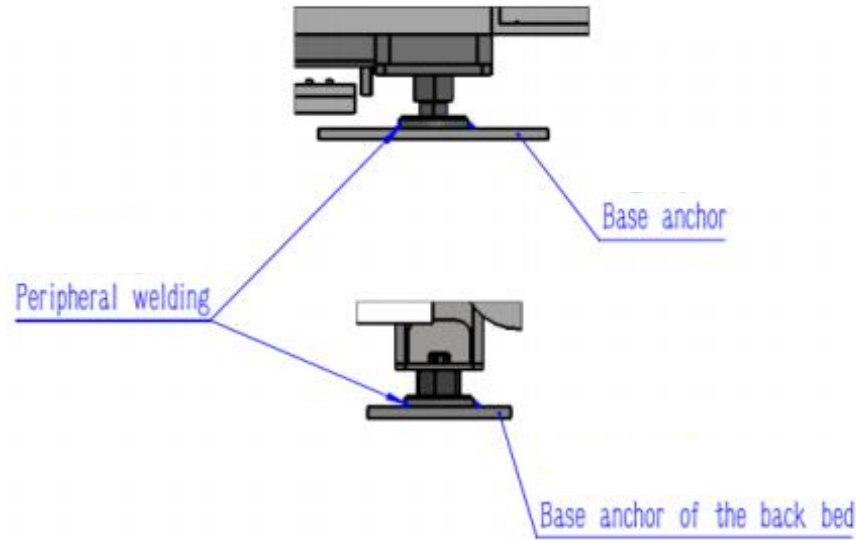
Drawing Not to Scale!





## Installation Foundation Instructions-

### Installation Requirements-



### Installation Process-

- 1.) Making the Base Anchor, refer picture for size & specifications.
- 2.) Fix the Base Anchor to Cement Flooring with an Expansion Bolt,  
Type: M12\*100, NO: 12 or a ½ Dia. X 4 1/2 In. Long Steel Expansion Bolt
- 3.) Placing the Machine on the Right Place of Base Anchor then Welding Area.
- 4.) In Theory: The Poured Concrete Column size should be (400mm X 400mm X 600mm or 15.75 In. X 15.75 In. X 23.625 In.) for all the ten Base anchors then fix the plate to the cement flooring. If the Cement Surface is strong enough one can use it as the foundation directly.

## Cooling Water Requirements-

Cooling circulating water requires **Distilled or Deionized Water or Purified Water.**

**Mineral Mater is prohibited.** When the Ambient Temperature, (**Ambient Temperature:** The Air Temperature of any object or environment where equipment is stored.) is below 0 ° Celsius or 32 ° Degrees Fahrenheit, use antifreeze, the main ingredient is ethylene glycol.

## Preparation of Materials “Before” Installation-

Number	Name	Specification	Unit	Quantity	Remark
1	Distilled Water / Purified Water	18 L/ Barrel	Liter	N/A	1.) 500W-1500W: 15-40/L. 2.) 2000W-3000W: 70/L. 3.) 4000W: 120/L. 4.) 6000W: 160/L.
2	Nitrogen	Nitrogen Purity ≥99.9%	Batch	1	Not less than 4 Bottles.
3	Oxygen	Oxygen Purity ≥99.6%	Batch	1	Not less than 2 Bottles.
4	Air Switch	4P/AC220V/AC480V	a	1	1.) 500W-750W: 50A. 2.) 1000W-1500W: 63A. 3.) 2000W-3000W: 80A. 4.) 4000W: 100A. 5.) 6000W: 125A.
5	Air Switch	ACAC220V/AC480V	a	1	Fan: 32A
6	Voltage Stabilizer	20KVA~100KVA/AC220V/AC480V	Set	1	<u>Laser Cutting Machine Power Supply:</u> 1.) 500W-750W: 20KVA. 2.) 1000W-1500W: 30KVA. 3.) 2000W-3000W : 50KVA. 4.) 4000W: 60KVA. 5.) 6000W: 100KVA.
7	The Main Power Supply Cord	5P	m		<u>Power Cord Specifications:</u> 1.) 500W-750W: 4/Square Millimeter. 2.) 1000W-2000W: 6/Square Millimeter. 3.) 3000W-4000W: 10/Square Millimeter. 4.) 6000W: 16/Square Millimeter.
8	Ground Needle	Copper or Galvanized Copper, Length > 1.5 m, Diameter > 15 mm	Piece	3	Root 3 Machine Tool Host Requires-2.
9	Nitrogen Pressure Reducing Valve	452IN-450-H	a	1	Input: ≥15MPa, Output: 0.2~3.0MPa.
10	Oxygen Pressure Reducing Valve	452X-175	a	1	Input: ≥15MPa, Output: 0.05~1.2MPa.

**Note:** It is recommended that all the above air switches have no leakage protection function. If it has a leakage protection function, the rated leakage protection current should not be less than 300mA, and it is recommended to be more than 500mA. If the rated leakage protection current is less than 300mA, it may cause the leakage protection to trip.

## **Gas Standard Requirements-**

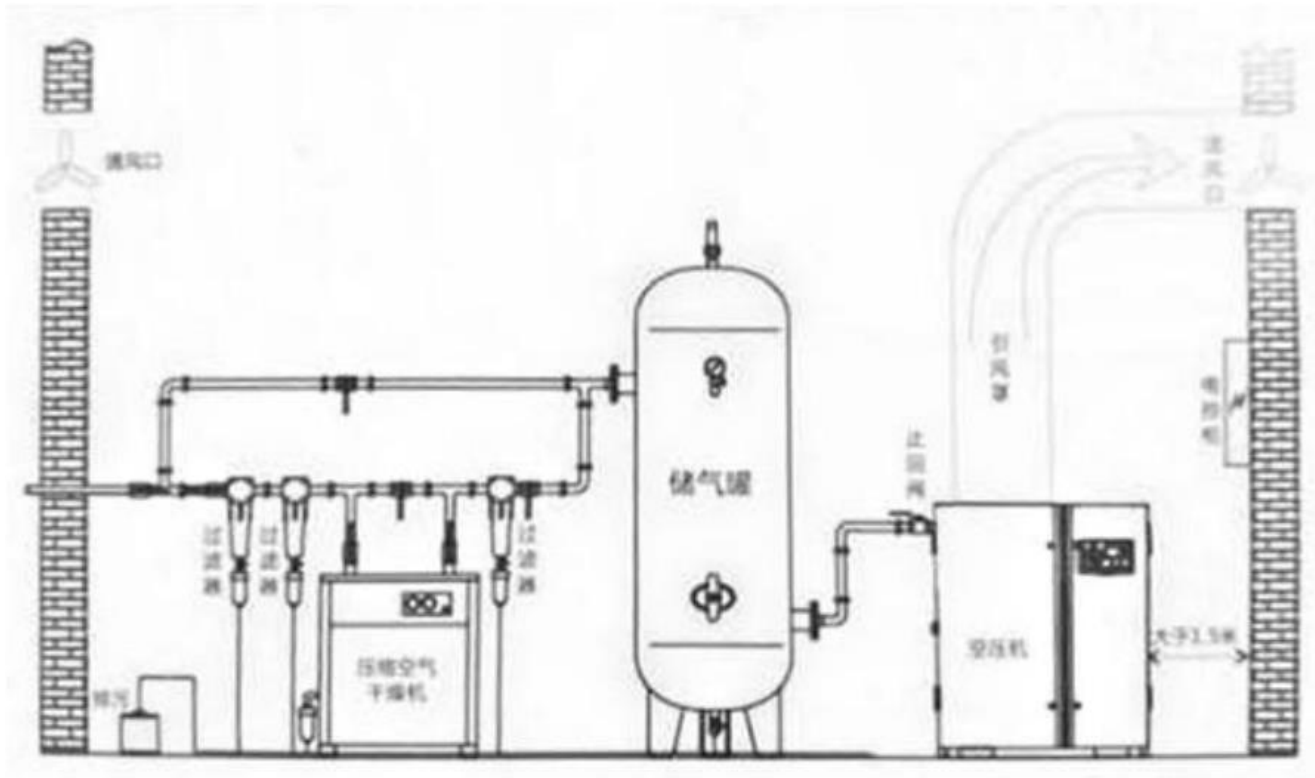
**Oxygen:** With liquid oxygen, a vaporizer must be added to heat the liquid to a normal temperature gaseous state. The high-pressure liquid bottle withstands 4.5MPa, the vaporizer withstands 4.5MPa, flow rate: 1.0m<sup>3</sup> / min, output pressure: 2.0MPa.

**Nitrogen:** With liquid nitrogen, a vaporizer must be added to heat the liquid to a normal temperature gaseous state. High pressure liquid bottle withstands 4.5MPa, vaporizer withstands 4.5MPa, flow rate: 1.0 cubic meters / minute, output pressure: 3.0MPa.

**Air:** Use high-pressure air to cut the board. Pure and dry high-pressure air (maximum working pressure 3.0MPa) is required. Equipped with a dryer to filter moisture, residual oil, and dust particles.

After treatment of compressed air, the dew point temperature reaches 25 °, the amount of residual oil is ≤0.001ppm, the particle content is ≤0.01 micron, and the compressed air is dry and close to normal temperature.

## Gas Standard Requirements (Cont'd.)-



**Schematic Diagram of Air System**

Air Compressor	No Oil , No Water	Set	1	Output Pressure ≥1.2Mpa.
Air Dryer	High Precision Oil Water Separator.	Set	1	N/A

**Note:** The gas tank must be painted yellow and affixed with a safety warning sign. It must be used in strict accordance with the special gas operating regulations.

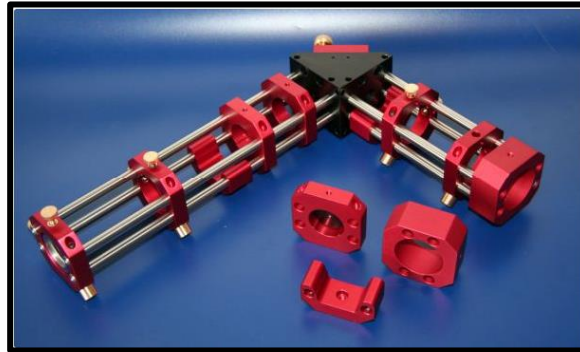
## **Installation & Operational Instructions/Steps-**

### **Step 1: Check the Machine is level.**

1a.) Use the Leveling Instrument on the Y-Axis Rail Guide and a Beam Guide System to check if the machine is horizontal.



**Leveling Instrument**



**Beam Guide System**

1b.) If it is not horizontal, use a lifting jack to jack up the machine, then use a wrench to tighten the screw to adjust the height.

1c.) If the height difference is too much and height of the leveling feet is not enough to adjust, you can slap the iron plate at the leveling feet.

## Installation & Operational Instructions/Steps-

1d.) Wipe the leveling instrument and guide rails with a clean cloth.



1e.) Put the leveling instrument on the Y-Axis rail guide and the Beam Guide to check if the machine is horizontal. If it is not horizontal, use a lifting jack to jack up the machine, then use a wrench to tighten the screw to adjust the height.



## Installation & Operational Instructions/Steps-

### Step 2: Install Display Screen.

2a.) Install the display screen, first to install the display bracket, then screw the display screen to the bracket. Connect the **VAG Signal Cable** and **the Screen Cable**.

2b.) Install the display bracket.



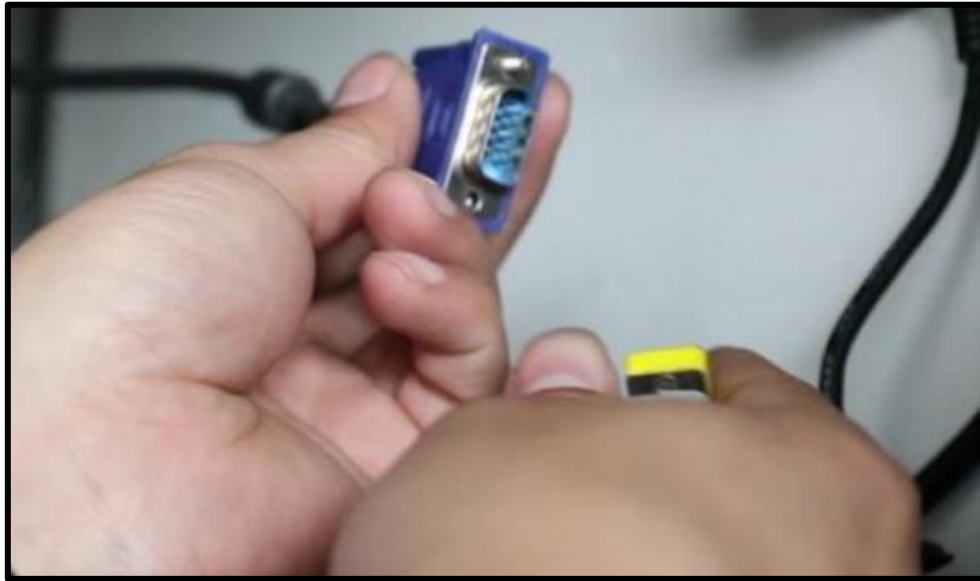
2c.) Screw the display screen to the bracket.





## Installation & Operational Instructions/Steps-

2d.) Connect the **VAG Signal Cable**.



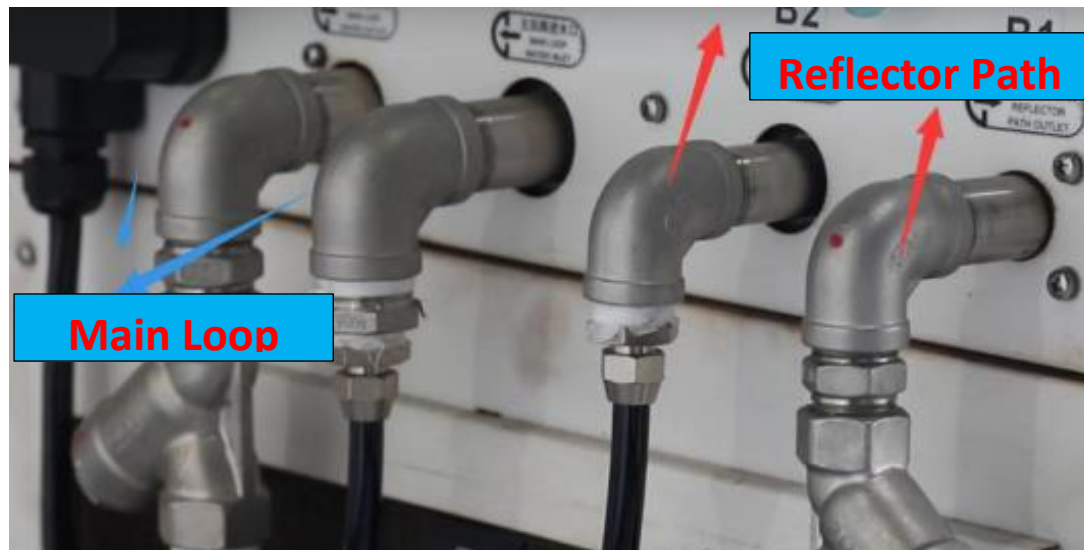
2e.) Connect the Power Cable and the Screen Cable.



## Installation & Operational Instructions/Steps-

### Step 3: Water Chiller Installation-

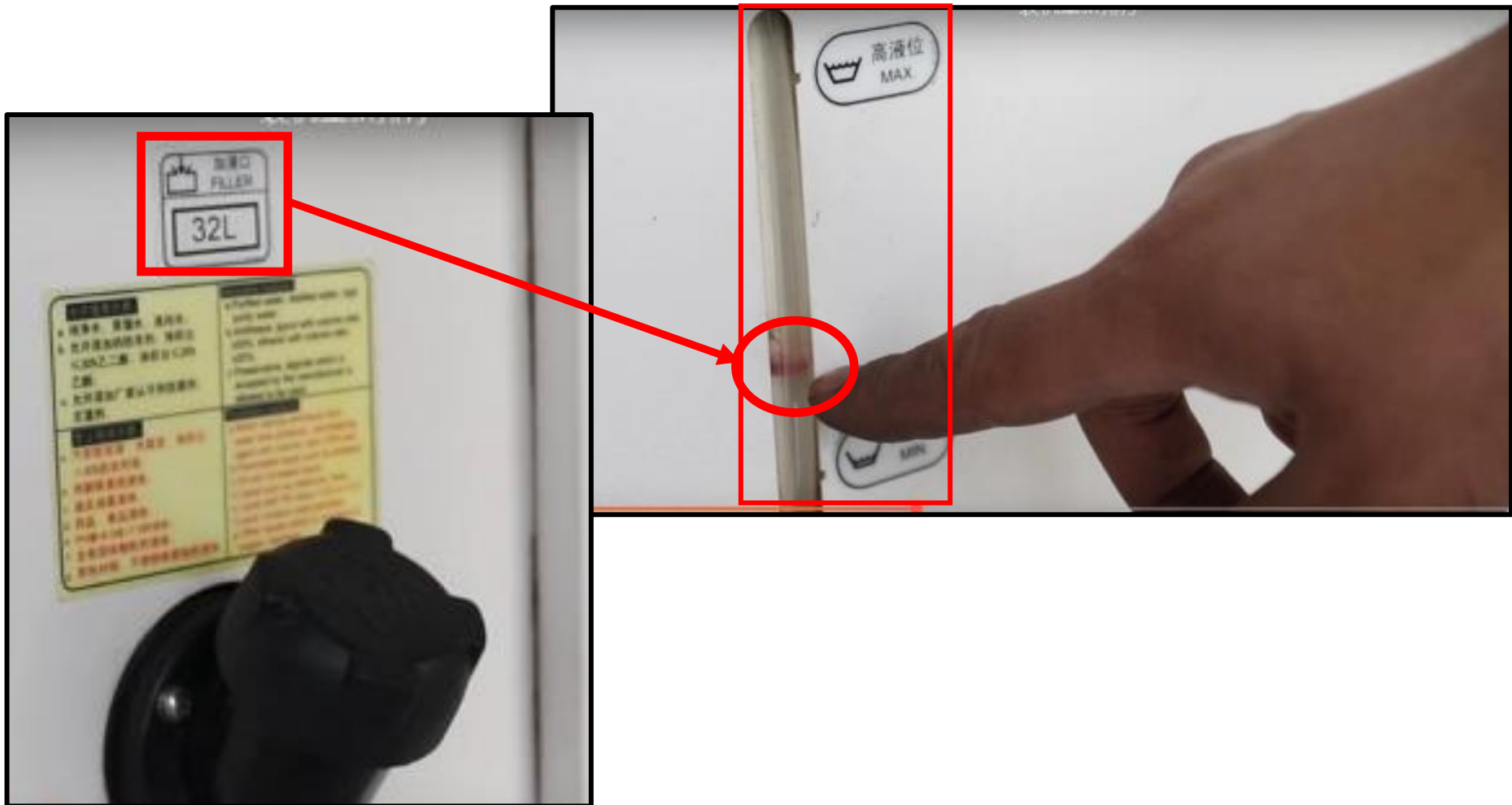
3a.) The water pipe of Water Chiller is connected the machine with the same label corresponding number. Connect both the **“MAIN LOOP WATER INLET”** and **“MAIN LOOP WATER OUTLET”** to the laser source, then connect both the **“REFLECTOR PATH INLET”** and **“REFLECTOR PATH OUTLET”** to the laser cutting head.



## Installation & Operational Instructions/Steps-

3b.) Add or Fill 32L of requires of **Distilled or Deionized Water** or **Purified Water** to the water chiller tank until the water level gauge shows that the water chiller tank is full.

**Mineral Mater is prohibited.**



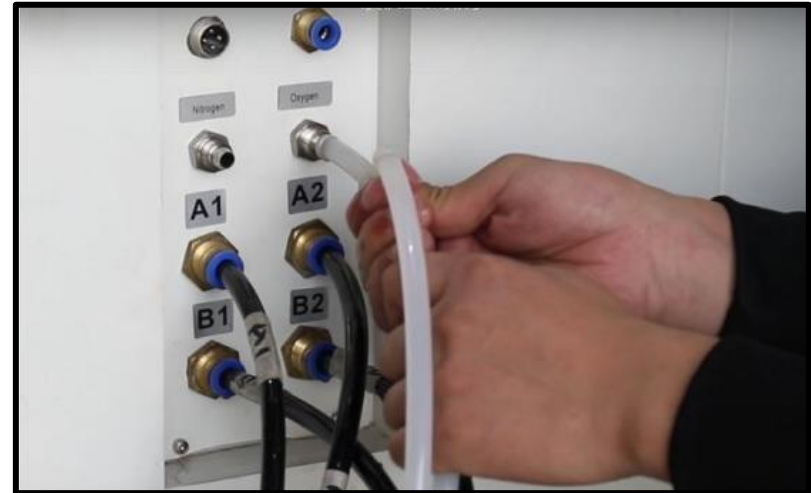
## Installation & Operational Instructions/Steps-

### Step 4: Install Nitrogen and Oxygen Tank-

4a.) The white tube is the trachea, the length can be cut according to their own needs, can be under pressure 2.8MPa. The oxygen and nitrogen interface sign are on the back of the machine. Connect the oxygen and nitrogen interface to corresponding gas cylinder.

The White Tube Acts as the Trachea-Tubes that carries air.

Connect the air pipe to "Nitrogen" or "Oxygen".



Tighten the knob with a wrench.



## Installation & Operational Instructions/Steps-

**Step 5: After installing the oxygen meter-** Open the cylinder and fully open to ensure the air flow. The inner gas meter shows the remaining amount of gas in the bottle, and the outer gas meter shows the output pressure, which can be pressurized with the knob. Turn the knob to increase the pressure and the nitrogen meter.



5a.) Install Oxygen Meter.





## Installation & Operational Instructions/Steps-

5b.) Turn the knob.



## Step 6: Install exhaust fans, including ducts and fans, the hose clamps is in the tool-

6a.) Connect the machine and fan with the air pipe.



## Installation & Operational Instructions/Steps-

### Step 7: Install the Mouse Receive-



7a.) Install the mouse receiver, open the back cover of the mouse and you can see the mouse receiver, connect the mouse receiver and the remote-control receiver to the machine USB interface.

7b.) Open the back cover of the mouse and take out the mouse, Connect the mouse receive to the machine USB interface.



## Installation & Operational Instructions/Steps-

7c.) Connect the control receiver to the machine USB interface.



## Step 8: Check the voltage with the multimeter.-

8a.) Before turning on the machine, use a multimeter to check whether the voltage of the main circuit air switch input terminal is normal, two phase 220V, three phase 380.



**Check the voltage with the multimeter.**



**Two-phase electric shows 220V or  
Three-phase electric shows 380V.**



## Installation & Operational Instructions/Steps-

### Step 9: Turning “On” the Machine.-

#### 9a.) Following Step by Step:

- 1.) Turn on the regulated power supply.
- 2.) Turn on the Water Chiller Machine Knob and turn the knob to **“ON”**.
- 3.) Turn on the air switch of the electrical cabinet main circuit.
- 4.) Turn on the computer.
- 5.) Turn on the emergency stop button and press the laser switch button.
- 6.) Open the Software Cypcut-

“Click the Machine to return to the original”, open the shutter, and check whether the Water Chiller is normal, whether the laser is normal, such as Raycus Laser source, if its **Laser Green Light Turns On**. Please consult the laser instructions before opening it.

## Installation & Operational Instructions/Steps

9b.) Turn on the regulated power supply.



9c.) Turn the knob to "ON" as to turn on the water chiller machine.



## Installation & Operational Instructions/Steps



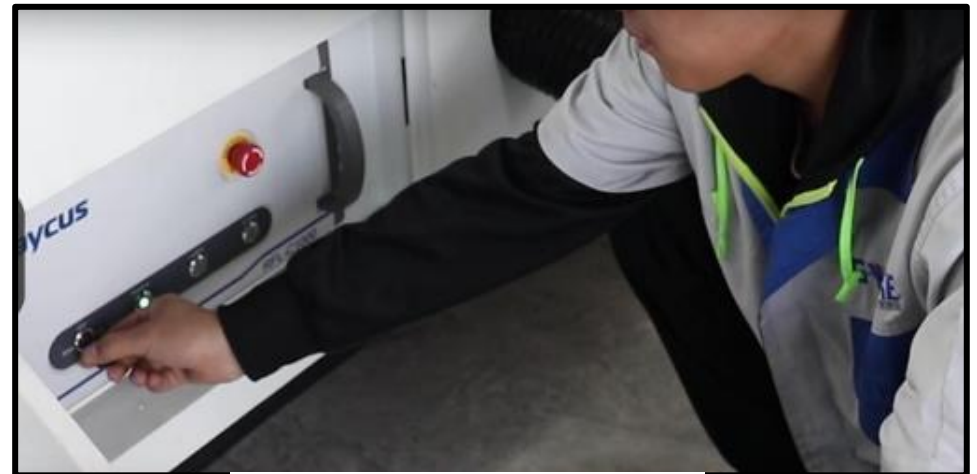
9d.) Turn on the air switch of the electrical cabinet main circuit.



9e.) Turn "On" the



9f.) Check if the chiller is working normally.



9g.) Turn on the laser.

## Installation & Operational Instructions/Steps-

**Warning:** Before turning on the laser source, Operators must have consulted Laguna Tools Customer Technical/Service Center-Toll Phone #: 1-800-234-1976 or at Customerservice@lagunatools.com.



9h.) Check if the laser source is working normally.

## Installation & Operational Instructions/Steps-

### Step 10: Check if the limit switch works normally-

After opening the software, first step is to cancel the return to the origin, find the limit switch at the end of the rail, use a metal to close the switch, check whether the limit switch light is red and whether the software interface has a limit alarm for the corresponding position.

10a.) Open Cypcut Software and confirm that the X, Y, Z, 3-Axis limit sensor works normally. Make sure it is normal, then **“Click on the CNC page”**, then **“Click the X-Axis and Y-axis back to the origin”**.

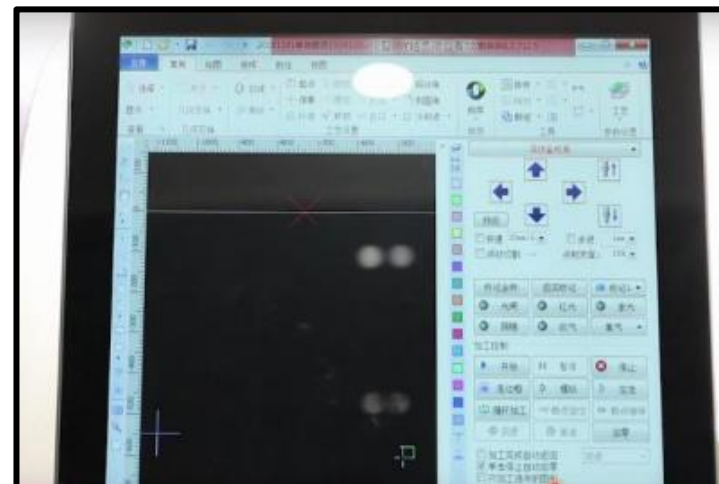
10b.) **“Press the handle direction key”** to slowly move the cutting head, let the machine move in all directions of front, rear, left and right until the end of the machine.

10c.) Firstly, press and hold the remote-control quick button, do not release, then **“Press the Arrow Keys”** to control the machine quickly move multiple times to check if it is working normally.

10d.) Use a Metal Tool to close Switch.



10e.) Open Cypcut Software.



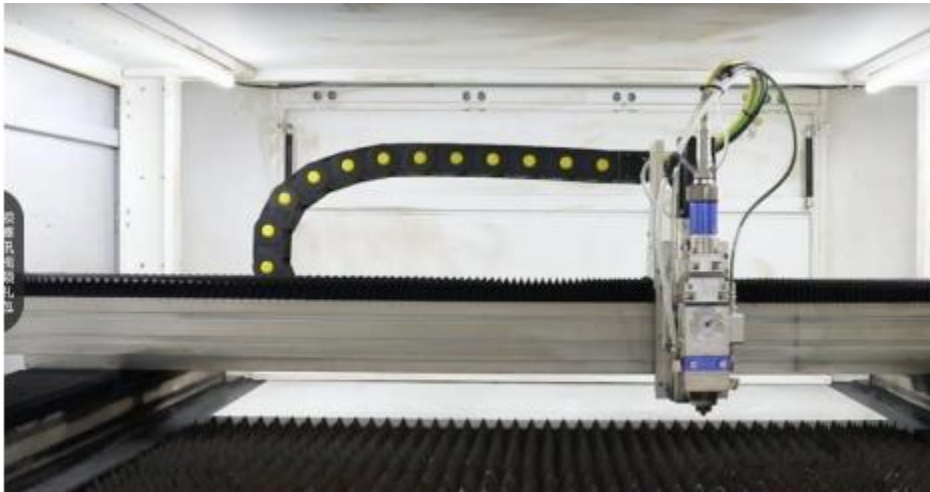
## Installation & Operational Instructions/Steps-



10f.) Click on the CNC page, then “Click the X-Axis back to the Origin”.



## Installation & Operational Instructions/Steps-



10g.) Press the handle direction key to slowly move the laser cutting head along the X -Axis.



10h.) Click the Y-Axis back to the Origin.



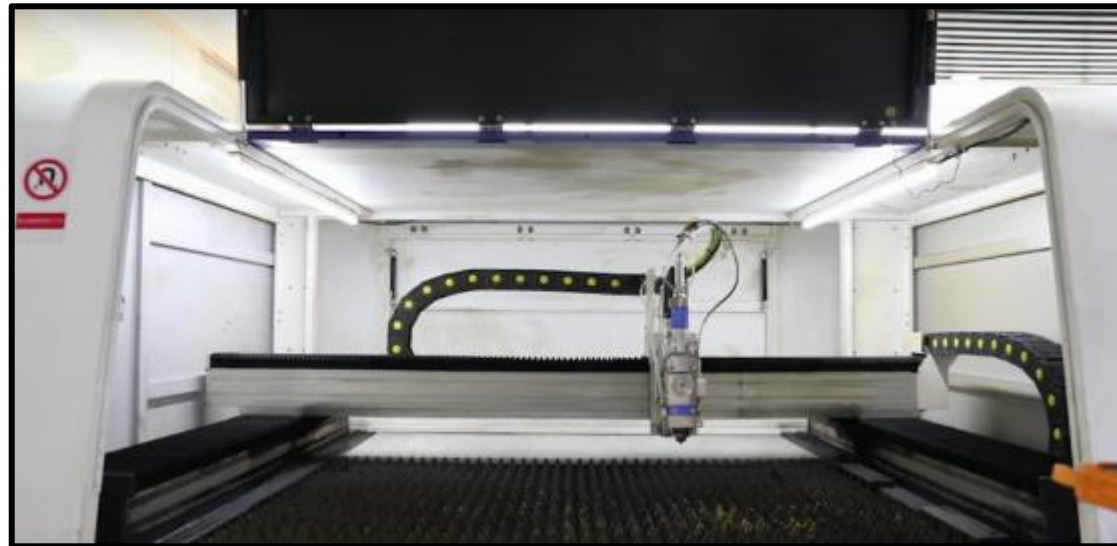
10j.) Press the handle direction key to slowly move the laser cutting head along the Y-Axis.

10k.) Let the machine move in all directions, check if the machine stop moving.

## Installation & Operational Instructions/Steps-



10l.) Hold the Remote-Control Quick Button, do not release.



10m.) Press the Arrow Keys to control the machine quickly move multiple times to check if it is working normally.



## Warranties-

## Delivery Protocol-

- Most large machinery will be delivering on a tractor trailer 48'-53' long. Please notify Sales Representative with any Del Restrictions.
- Customer is required to have a forklift (6000lb. or larger is recommended) with 72" forks or fork extensions and operate
- Note any visible damage, torn packaging, scuffs or any abnormal marks on the delivery receipt or Bill of Lading (BOL).

BILL OF LADING									
Date: 12/02/2020					SHIP FROM				
Name: Nathaniel Boomer Address: 4700 Burleson Rd Units L M City/State/Zip: AUSTIN, TX 78704 Ph: (512) 645-4170 Contact: Nathaniel Boomer					Bill of Lading Number: 145787446				
SHIP TO					Carrier Name: Estes Express				
Name: Laguna Tools TX Address: 744 Refuge Way City/State/Zip: GRAND PRAIRIE, TX 75050 Ph: 9494741200 Contact: Vince (ZM) RMACR11096					SCAC: EXLA Pro number:				
FREIGHT CHARGES BILL TO					Freight Charge Terms: (freight charges are prepaid by Worldwide Express unless indicated otherwise)				
Name: Worldwide Express Address: 2828 Routh Street Suite 400 City/State/Zip: Dallas, TX 75201					<input type="checkbox"/> Master Bill of Lading with attached underlying Bill of Lading				
SPECIAL INSTRUCTIONS: For assistance, please call 833-8WE-SHIP					WWE Number: W709699351				
Handling Instructions: RMACR11096									
Pickup Instructions:									
Delivery Instructions: RMACR11096									
Pickup Service(s): Liftgate Pickup, Residential Pickup									
REFERENCE NUMBER INFORMATION									
REFERENCE		# PKGS		REFERENCE		# PKGS		Total # of Pkgs	
CARRIER INFORMATION									
HANDLING UNITS		PIECES		WEIGHT		H.M. X		COMMODITY DESCRIPTION	
QTY	TYPE	QTY	TYPE					LTL ONLY	
1	PLT			385		machine, 48(L) x 48(W) x (H) DO NOT STACK		NMFC#	CLASS
1				385		Grand Total			77.5
Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of property as follows: The agreed or declared value of the property is specifically stated by the shipper to be not exceeding _____ per _____.					COD Amount: \$ Fee Terms: 3 <sup>rd</sup> Party WWE Remit Address:				
Note: Liability limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 814706(c)(1)(A) and (B).					Acceptable Forms of Payment: Bank Certified Check <input type="checkbox"/> Customer Check <input type="checkbox"/> Personal Check <input type="checkbox"/> Money Order <input type="checkbox"/>				
RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and Worldwide Express Operations, LLC, a registered motor carrier broker, pursuant to 49 USC 14101(b) and all applicable state and federal regulations.					CARRIER SIGNATURE (PICKUP DATE) Carrier acknowledges receipt of packages and required placards. Carrier certifies emergency response information was made available and for carrier has DOT emergency response guidebook or equivalent documentation in vehicle. Property described above is received in good order, except as noted.				
SHIPPER'S SIGNATURE / DATE This is to certify that the above-described materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.					Trailer Loaded: <input type="checkbox"/> By Shipper <input type="checkbox"/> By Driver				
					Freight Counted: <input type="checkbox"/> By Shipper <input type="checkbox"/> By Driver/pallet <input type="checkbox"/> By Driver/Pieces				
Signature: _____ Date: _____					Signature: _____ Date: _____				

Bill of Lading Number : 145787446

SPECIAL INSTRUCTIONS: For assistance, please call 833-8WE-SHIP

Handling Instructions: RMACR11096

Pickup Instructions:

Delivery Instructions: RMACR11096

Pickup Service(s): Liftgate Pickup, Residential Pickup

## Dealer Machinery Warranty-

### Dealer Machinery Warranty

New woodworking machines sold by Laguna Tools carry a two-year warranty effective from the date of dealer invoice to customer/end-user. Machines sold through dealers must be registered with Laguna Tools within 30 days of purchase to be covered by this warranty. Laguna Tools guarantees all new machine sold to be free of manufacturers' defective workmanship, parts and materials. We will repair or replace, without charge, any parts determined by Laguna Tools, Inc. to be a manufacturer's defect. We require that the defective item/part be returned to Laguna Tools with the complaint. The end-user must request an RMA (return material authorization) number from Customer Service and include the (RMA) number with any and all returned parts/components requesting warranty coverage.\* Any machines returned to Laguna Tools must be returned with packaging in the same manner in which it was received. If a part or blade is being returned it must have adequate packaging to ensure no damage is received during shipping. In the event the item/part is determined to be damaged due to lack of maintenance, cleaning or misuse/abuse, the customer will be responsible for the cost to replace the item/part, plus all related shipping charges. This limited warranty does not apply to natural disasters, acts of terrorism, normal wear and tear, product failure due to lack of maintenance or cleaning, damage caused by accident, neglect, lack of or inadequate dust collection, misuse/abuse or damage caused where repair or alterations have been made or attempted by others.

**\*\*NOTE: Issuing an RMA number is for referencing materials and issues, it does NOT indicate warranty acceptance/conformity.**

## Laguna Tools Warranty-

### CNC Limited Warranty

New CNC machines sold by Laguna Tools carry a one-year warranty effective from the date of shipping. Laguna Tools guarantees all new machine sold to be free of manufacturers' defective workmanship, parts, and materials. We will repair or replace without charge, any parts determined by Laguna Tools, Inc. to be a manufacturer's defect. We require that the defective item/part be determined to be damaged due to lack of maintenance, cleaning or misuse/abuse, the customer will be responsible for the cost to replace the item/part, plus all related shipping charges. This limited warranty does not apply to natural disasters, acts of terrorism, normal wear and tear, product failure due to lack of maintenance or cleaning, damage caused by accident, neglect, lack of or inadequate dust collection, misuse/abuse or damage caused where repair or alterations have been made or attempted by others.

Laguna Tools, Inc. is not responsible for additional tools or modifications sold or performed (other than from/by Laguna Tools, Inc.) on any Laguna Tools, Inc. woodworking machine. Warranty maybe voided upon the addition of such described tools and/or modifications, determined on a case-by-case basis. Software purchased through Laguna Tools, Inc., is not covered under this warranty and all technical support must be managed through the software provider. Normal user alignment, adjustment, tuning, and machine settings are not covered by this warranty. It is the responsibility of the user to understand basic woodworking machinery settings and procedures and to properly maintain the equipment in accordance with the standards provided by the manufacturer.

Parts under warranty are shipped at Laguna Tools, Inc.'s cost either by common carrier, FEDEX ground service or a similar method. Technical support to install replacement parts is primarily provided by phone, fax, e-mail, or Laguna Tools Customer Support Website. The labor required to install replacement parts is the responsibility of the user. Laguna Tools is not responsible for damage or loss caused by a freight company or other circumstances not in our control. All claims for loss or damaged goods must be notified to Laguna Tools within twenty-four hours of delivery.

\*\*\*Please contact our Customer Service Department for more information. Only NEW machines sold to the original owner are covered by this warranty. For warranty repair information, call 1-800-332-4094. Copyright 2013 Laguna Tools, Inc. **\*\*Warning – no portion of these materials may be reproduced without written approval from Laguna Tools, Inc.**



# WARRANTY & REGISTRATION

## THANK YOU!

Welcome to the Laguna Tools® group of discriminating woodworkers. We understand that you have a choice of where to purchase your machines and appreciate the confidence you have in the Laguna Tools® brand.

Through hands-on experience, Laguna Tools® is constantly working hard to make innovative, precision products. Products that inspire you to create works of art, are a joy to operate, and encourage your best work.

Laguna Tools®

*Imagination, Innovation, and Invention at Work*

## WARRANTY & REGISTRATION

Every product sold is warranted to be free of manufacturers' defective workmanship, parts, and materials. For any questions about this product, the intended use or what it was designed for, customer service, or replacement parts, please contact our customer service department:

Laguna Tools® Customer Service  
2072 Alton Parkway, Irvine, California 92606, USA  
1-800-332-4049  
customerservice@lagunatools.com  
www.lagunatools.com/why/customer-service/  
8AM to 5PM PST, Monday through Friday

For warranty claims or to report damage upon receiving – please reach out to our warranty department:

Laguna Tools® Warranty Service  
2072 Alton Parkway, Irvine, California 92606, USA  
1-949-474-1200  
customerservice@lagunatools.com  
www.lagunatools.com/policies/warranty  
8AM to 5PM PST, Monday through Friday

### REGISTRATION

To prevent voiding this warranty, all products sold must be registered within thirty (30) days of receiving the product. Registering the product will enable the original purchaser to receive notifications about important product changes, receive customer service, and be able to file a warranty claim against defective workmanship, parts, or materials.

### WHO IS COVERED

The applicable warranty covers only the initial purchaser of the product from the date of receiving the product. To file such claims, the original purchaser must present the original receipt as proof of purchase.

### WHAT IS COVERED

The warranty covers any defects in the workmanship of all parts and materials that make up the machine unless otherwise specified. Any part, determined by Laguna Tools®, to have a defect will be repaired or replaced (and shipped), without charge. The defective item/part must be returned to Laguna Tools® with the complaint and proof of purchase in the original packaging that it was received in. In the event the item/part is determined to be not covered by this warranty, the customer will be responsible for the cost to replace the item/part and all related shipping charges.

REGISTER HERE!



<https://lagunatools.com/policies/warranty/>

### WARRANTY LIMITATIONS

This limited warranty does not apply to natural disasters, acts of terrorism, normal wear and tear, product failure due to lack of maintenance or cleaning, damage caused by accident, neglect, or lack of inadequate dust collection. The warranty may be voided against proof of misuse/abuse, damage caused where repair or alterations have been made or attempted by others, using the product for purposes other than those described as intended use (unless with consent by Laguna Tools®), modification to the product, or use with an accessory that was not designed for the product. It is the responsibility of the user to understand basic woodworking machinery settings and procedures and to properly maintain the equipment in accordance with the standards provided in this manual.

### LENGTH OF WARRANTY

All new machines and optional accessories sold through an authorized dealer carry a two-year warranty effective the date of receiving the product. Machines sold for either commercial or industrial use have a one-year warranty. Wearable parts like throat plates, bandsaw guides, etc., have a ninety-day warranty.

Table A-1 Warranty Lengths

2 Year – New Machines Sold Through an Authorized Dealer
2 Year – Accessories Sold as Machine Options (excluding blades)
1 Year – Machines Sold for Commercial or Industrial Use
1 Year – Blades and Accessories outside of Machine Options
90 Days – Wearable Parts

Aside from being free of defects upon receiving, consumable parts, like cutters and abrasives, are not covered by this warranty unless otherwise stated by Laguna Tools®. These parts are designed to be used at the expense of the operator and are available for replacement or inventory purchase. The determination of a consumable part will be made on a case-by-case basis by Laguna Tools®.

### SHIPPING DAMAGE

Laguna Tools® is not responsible for damage or loss caused by a freight company or other circumstances not in the direct control of Laguna Tools®. All shipping-related claims for loss or damage goods must be made to Laguna Tools within twenty-four hours of delivery.

### HOW TO RECEIVE SUPPORT

To file a warranty-claim please contact the warranty department at 1-949-474-1200. To receive customer service or technical support please contact the customer service department at 1-800-332-4094. Parts, under warranty, are shipped at the expense of Laguna Tools® either by common carrier, FedEx ground services or similar method. Technical support to install replacement parts is primarily provided by phone, fax, email, or the Laguna Tools Customer Support Website.

# LAGUNA

## **No Modifications Allowed or Sold.**

Laguna Tools, Inc. is not responsible for additional tools or modifications sold or performed (other than from/by Laguna Tools, Inc.) on any Laguna Tools, Inc. woodworking machine. Warranty maybe voided upon the addition of such described tools and/or modifications, determined on a case-by-case basis. Normal user alignment, adjustment, tuning, and machine settings are not covered by this warranty. It is the responsibility of the user to understand basic woodworking machinery settings and procedures and to properly maintain the equipment in accordance with the standards provided by the manufacturer. Parts, under warranty, are shipped at Laguna Tools, Inc.'s cost either by common carrier, FEDEX ground service or a similar method. Technical support to install replacement parts is primarily provided by phone, fax, e-mail, or Laguna Tools Customer Support Website. The labor required to install replacement parts is the responsibility of the user. Laguna Tools is not responsible for damage or loss caused by a freight company or other circumstances not in our control. All claims for loss or damaged goods must be notified to Laguna Tools within twenty-four hours of delivery. Please contact our Customer Service Department for more information. Only new machines sold to the original owner are covered by this warranty. **For warranty repair information, call 1-800-332-4094.**

## Laguna Tools Packaging/RMA Procedures-

### Dealer Machinery Warranty

**\*\*Any machines returned to Laguna Tools must be returned with packaging in the same way it was received. If a part or blade is being returned it must have adequate packaging to ensure no damage is received during shipping. In the event the item/part is determined to be damaged due to lack of maintenance, cleaning or misuse/abuse, the customer will be responsible for the cost to replace the item/part, plus all related shipping charges.**

We require that the defective item/part be returned to Laguna Tools with the complaint. The end-user must request an **RMA (Return Material Authorization) Number** from Customer Service and include the (RMA) number with all returned parts/components requesting warranty coverage.

## Laguna Tools Packaging/Laguna Tools RMA Example-

12/1/2020

Return Authorization - NetSuite (Laguna Tools, Inc)

Return Authorization

CR10979 Black Forest wood Co.

PENDING RECEIPT

EDIT

BACK

RECEIVE

CLOSE

ACTIONS

CUSTOMER

Black Forest wood Co.

DATE

11/5/2020

CURRENCY

Canadian Dollar

SUBSIDIARY

Laguna Tools, Inc.

DEPARTMENT

Sales : Wholesale

PRODUCT LINE

LOCATION

Laguna Texas Demo / Returns

SALES REP

Benjamin Helshoj

PARTNER

LEAD SOURCE

Dealer\_Canada Dealer-Canada

PO #

PO-981

MEMO

CREATED FROM

Sales Order #210855

SALES EFFECTIVE DATE

11/5/2020

EST. EXTENDED COST

755.64

EST. GROSS PROFIT

930.95

EST. GROSS PROFIT PERCENT

55.1972%

PROMISE DATE

5/12/2020

DEPOSIT RECEIVED

ACCOUNTING APPROVAL

COMMENTS

Customer's bandsaw cast iron at the bottom is bent the customer can't insert bolts to stand. No shipping damage machine arrived in excellent condition do damage to packaging. PO 981

RETURN REASON

Manufacturers Warranty Defect

SHIP IMMEDIATE

SPLIT SHIP

REVISED INVOICE

ORDER HOLD REASON

Summary

SUBTOTAL

1,686.59

DISCOUNT

GST/HST

84.33

PST

0.00

TOTAL

1,770.92

RTN. AUTH. #

CR10979

RTN. AUTH. #

CR10979

SHIPPING COMMENTS

Items

Promotions

Address

Messages

History

Workflow

Custom

Partners

Sales Team

Additional Information

OutLink

Pagejet

SPS

EXCHANGE RATE

0.76094

DISCOUNT

ITEM

Machine :

Bandsaw :

MBAND1412-

115V 1412

Bandsaw

110V 1.75HP

RETURNED

0

REFUNDED

0

QUANTITY

1

UNITS

Each

INVENTORY

DETAIL

DESCRIPTION

14-12 110

VOLT

BANDSAW

PRICE

LEVEL

Retail

Price

UNIT PRICE

1,686.59445773

AMOUNT

1,686.59

TAX

CODE

CA-

GST

only

TAX

RATE

5.0%

0.0%

PST

OPTIONS

1.75

GIFT

CERTIFICATE

CLOSED

DROP

SHIPMENT

TY

COI

EST

11/5/2020

Edit

Back

Receive

Close

ACTIONS



# Laguna Tools Packaging/Laguna Tools BILL of LADING Example-

SHIP FROM		SHIP TO		FREIGHT CHARGES BILL TO	
Date: 12/02/2020 Name: Nathaniel Boomer Address: 4700 Burlison Rd Units L M City/State/Zip: AUSTIN, TX 78704 Ph: (512) 645-4170 Contact: Nathaniel Boomer		Name: Laguna Tools TX Address: 744 Refuge Way Suite 200 City/State/Zip: GRAND PRAIRIE, TX 75050 Ph: 9494741200 Contact: Vince (ZM) RMACR11096		Name: Worldwide Express Address: 2826 Routh Street Suite 400 City/State/Zip: Dallas, TX 75201	
Bill of Lading Number : 145787446 Carrier Name: Estes Express SCAC: EXLA Pro number:		Freight Charge Terms: (freight charges are prepaid by Worldwide Express unless indicated otherwise) <input type="checkbox"/> Master Bill of Lading with attached underlying Bill of Lading WVE Number: W709699351		SPECIAL INSTRUCTIONS: For assistance, please call 833-8WE-SHIP Handling Instructions: RMACR11096 Pickup Instructions: Delivery Instructions: RMACR11096 Pickup Service(s): Liftgate Pickup, Residential Pickup	
REFERENCE NUMBER INFORMATION					
REFERENCE	# PKGS	REFERENCE	# PKGS	Total # of Pkgs	
CARRIER INFORMATION					
HANDLING UNITS		PIECES		WEIGHT	COMMODITY DESCRIPTION
QTY	TYPE	QTY	TYPE		
1	PLT			385	machine, 48(L) x 48(W) x (H) DO NOT STACK
1				385	Grand Total
Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of property as follows: The agreed or declared value of the property is specifically stated by the shipper to be not exceeding _____ per				COD Amount: \$ Fee Terms: 3rd Party WVE Remit Address:	
Note: Liability limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. §14706(c)(1)(A) and (B)				Acceptable Forms of Payment: <input type="checkbox"/> Bank Certified Check <input type="checkbox"/> Customer Check <input type="checkbox"/> Personal Check <input type="checkbox"/> Money Order	
RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and Worldwide Express Operations, LLC, a registered motor carrier broker, pursuant to 49 USC 14101(b) and all applicable state and federal regulations.				CARRIER SIGNATURE (PICKUP DATE) Carrier acknowledges receipt of packages and required placards. Carrier certifies emergency response information was made available and for carrier has DOT emergency response guidebook or equivalent documentation in vehicle. Property described above is received in good order, except as noted.	
SHIPPER'S SIGNATURE / DATE This is to certify that the above-named materials are properly classified, described, packaged marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.		Trailer Loaded: <input type="checkbox"/> By Shipper <input type="checkbox"/> By Driver		Freight Counted: <input type="checkbox"/> By Shipper <input type="checkbox"/> By Driver/pallet said to contain <input type="checkbox"/> By Driver/Pieces	
(Signature) (Date)				(Signature) (Date)	

Bill of Lading Number : 145787446

SPECIAL INSTRUCTIONS: For assistance, please call 833-8WE-SHIP

Handling Instructions: RMACR11096

Pickup Instructions:

Delivery Instructions: RMACR11096

Pickup Service(s): Liftgate Pickup, Residential Pickup

Laguna Tools is not responsible for errors or omissions. Specifications subject to change. Machines may be shown with optional accessories.

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## Manual Revision Record

[illegible]

