ELE MODEL ELE MODEL EMODEL ELE MOT Article : ELE1325-3S

CNC Router

Operation Instructions

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BLUEELEPHANT COMPANY

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Top CNC Solution Professer High precision, Reasonable Price, Fine After-service 1 ELE MODE

Thank you for buying our CNC Router.

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This technical instruction goes with machines, it is also the instructional document which makes sure you're correct using. Please read it carefully and keep it well. Please operate the machine according to this instruction, if any problems or questions, please contact us freely. In order to bring the superior function of our machine into play, and ensure the safety of the user, please read this instruction carefully before installation and operating. Then you can have acknowledge in details about what should be paid attention to, and the action and operation, inspection of the abnormality and daily maintenance rules etc. It is our target to make the customers satisfactory. Thank you for your cooperation.

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MODE Our company

ELE MODEL We have always been dovoting to the reseach and manufactur EMOT e of CNC engraving machines .We has R&D Production Depa rtment, Quality Control Department,

and Sales & Sevice Department. Our products are widely used

in woodworking, advertising, model, electric,

CAD/CAM industry model, clothing, package, marking,

laser sealing and so on.

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We can offer you the high quality products with the competitiv e price. Our products have got CE, SGS, and

ISO9000 certificate. Our main products are as follows: CNC ro ne, marble CNC router, plasma metal cutting machine, adverti sing CNC router and so on.

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province.

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Type : ELE13258-3S DEL Working table The rotary (C-axis):200*2000 The A –axis: +90° – -90° Voltage : AC380v3ph Spindle power: 4.5KW HSD SPINDLE. Spindle speed : 18000rpm ELE MODEL ELE MODEL Traveling speed: 32m/min

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Feed speed: 20m/min

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EMOVI. Unpacking Inspection FLE MODEL

Before works, all the transducers of CNC routers are inspected strictly and packaged carefully. However, damages may occur during transportation process due to various factors. Please check the following items before unpacking. Inform the distributor or us if any abnormity:

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Make sure that the machine is not be damaged or distorted during the transportation process.

After open the package, check whether the spare parts are the same with the packing list. Check whether the specification you ordered fits the machine's nameplate (voltage and KVA) Check whether there is any abnormity or foreign material in the machine.

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2. Safety Notice

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LEMOT This chapter mainly introduces the machine usage notice; the user must read this carefully to avoid the suddenness.

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- 2.1 The machine should put on the balanced table, adjust the fundus to make sure the machine can't shake and keep it horizontal.
- 2.2 Please use the appointed voltage according to the instruction, connect power and put through the grounding wire.
- 2.3 Please do not connect many electronic products on one
- 2.4 The engraving machine is high speed working machine; EMOT the main spindle speed can reach to 24000RPM. So the operator should wear work clothes and hat, forbidden to wear gloves.
- 2.5 When the machine is working, the operator should keep distance with it. Forbidden to touch the cutter and other motorial parts.

2.6 Make sure the electric power is off when clean the machine. Do not clean it with the liquid or the spray, but the ELE MOL ELE MOT

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dry dust cloth and meanwhile with slushing oil.

- MODE 2.7 When checking the machine faults, Please make sure the
 - 2.8 Do not use this machine near water, for example: near the E MOT bathtub, the bison of the floor, or swimming pool and so on.
 - 2.9 Do not put this machine on the unstable truck, shelf or tables. Otherwise it may fall down and cause the machine damage or the hurt of people.
 - 2.10 Only the electric variety on the nameplate can be used in this machine. If you are not familiar with the electric variety in your place, please ask the vender or the local bureau of supplying electricity.
 - 2.11 Triangle plug (ground wire) is available for this machine. This just for ground wire type plug use and this is the safety device. If you cannot use this kind of plug, please ask the electrician for help. But do not discard the safety device.

2.12 Do not put anything on the electrical power cable, and do not put the cable in the place that someone else can ELE MODEL ELE MOL touch.

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2.13 Do not make the receptacle or the branch wires afford over-voltage, or there may fire hazard and electric shock. the machine, or else may get an electronic shock, on fire E 2.14 Please don't put anything into the aperture or put thing in or other danger caused by dangerous pressure or short circuit.,

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- 2.15 In order to avoid getting an electric shock, please do not disassemble this machine. If it needs repairing, please take it to the qualified repairing center. Disassembly of this machine may bring the electric or some other dangers. The incorrect reassembly may cause electric shock in the future using (unless operation under the EMOL instruction of professional engineers).
- 2.16 Under the following conditions, you need to pull the plug out from the receptacle, and consign the repairing work to the qualified repairing center:

A. When the cable and the plug are broken.

B. If some liquid inflow the machine.

C. If this machine is rained or watered.

D. If operation is done as what the instruction says, but this machine cannot work, you can only adjust the ELE MODE ELE MOL

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controlling part of this machine. Otherwise if you adjust other parts incorrectly, you may cause damage better ask the qualified worker for help, which can make the machine make the machine work orderly.

- E. If this machine falls down to the floor from the high position or the body of the machine are broken.
- F. If obvious changes of the machine's function occur.
- 2. 17 Avoid using the machine when it thunders. Or it can FL cause faraway electric shock.

The transportation, installation and maintenance make the ELE MOD

machine operate well.

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MODEL 3. Machine introduction and installation



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4.1 Power

A, Main power supply



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4.2Connect compressed air



Please the air pressure between 0.6-0.7Mpa





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- Step1: Turn on the main power
- Step2: Release the Emergency buttons(2).
- Step3: Press the green button Power on(1)

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IODEL ELE MODEL 5.2 Back to home

HOME

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EMOE Because tool and workpiece coordinate setting is based on Machine zero point, it is necessary to make sure where machine is zero (HOME). Therefore, when CNC restarts, return to reference point (search HOME) is very important. Otherwise, SYNTEC CNC controller will not be allowed to execute AUTO NC files.

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After power on we need back to home .

light on a, Then you will see the key

HOME. The light on mean machine need back to home .

b, The screen show like this



Step2. Second X axis, press the key

Step3. Third Y axis, press the key \sim . Step4. The fourth axis A xis back to home ,we need change the mode JOG \sim OR \sim MPG. Then turn the A axis like this

picture.



Then press the key HOME, second press 4+ ELE MODEL ELE MODEL ELE MOE

DEL ELE MODEL 5.3 About JOG mode .

Press the key

Z+

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Then you can use the keys to control Machine.

JOG

4+



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MPG ,then Then you can use MPG to control ELE MOT Press the key EMO Machine.

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Please use change the mode to MPG JOG or JOG

Please move Z axis up to here. Like the picture show the sensor light on.

Attention: please use low speed when z axis move up ELE MODEL ELE MODEL

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Like this: the light on.

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And, here is the tool select key.





- LEMOT F1: press F1, light on ,T1 will down ,and you can use T1. Press "CW" the spindle will turning .The other spindle will move up.
- F2: press F2, light on.T2 will push out, and you cannot use T2,but you can Left and right swing the spindle . Press "CW" the spindle will turning. Attention: T2 only have three location 90.520°, 0°, -90.430°, when the spindle push out ,you cannot cutting and engraving.
- F1: press F3, light on ,T3 will down ,and you can use T3. Press "CW" the ELE MODEL ELE MODEL MODE

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Then please do like this .

	G54 ?柱精.NG_NG_L1, Parameter 2016/9/8 13:44:18	DEFAULT
	Index Item	Value
	10 Semicatarn Maart type(0:A, 1:B;2:Disable)	
	15 the I/O board digital filter method	1
	17 *Control precision,BLU(1:10;2:1;3:0.1 micro)	2
	21 *Port no. for X axis	1
	22 *Port no. for Y axis	2
	23 *Port no. for Z axis	3
	24 *Port no. for 4th axis	4
	26 *Port no. for 6th axis	0
	41 X axis motor polarity	0
	42 Y axis motor polarity	0
	43 Z axis motor polarity	1
	44 4th axis motor polarity	0
	45 5th axis motor polarity	0
nF	46 6th axis motor polarity	1
	61 X axis encoder resolution(En:p/rev;Sc:p/mm)	2500
	NOT STATE	Alarm
	All Parameter Service Param Setting Maker Param Setting Compensation Param Goto	Param
	23	NOL
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	<i>F</i>	F



5.6 Set workpiece zero point a, Please use MPG or JOG mode.

b, Move the tool to the surface of the workpiece.



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c, Ok. Now,do not move the tool .We back to panel

	G54 2052.NC NO Machine	L1 Coordinate 2016/7/14	08:22:15 DEFAULT	
TODEL	X Y Z	1476.100 74.550	Y 74.550 Z -193.680 C 89.000 Absolute X 1338.000 Y -25.500	
	C F 1000.000 mm/min 100 % 0.0 mm/min (Actual Run Time 0 : 0 : 0	89.000 1000 RPM 100 % 1000 RPM (Actual) PartCou 0 T 0	Z 10.400 C 89.000 Dist. To Go X 0.000 Y 0.000 Z 0.000 C 0.000	
EI	Coordinate Program	Offset/Setting Monitor	Alarm Maintain	ILE IV

You will see.





Press the key : F1 Workpiece Cord

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Do you want to [Mach Coord Teach] ?

Please press: F1 Yes

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ELE MODEL So now, we have set X zero point .Y,Z,C axis the same steps. ELE MOT ELE MO



T1 T2 T3 have their Independent coordinate system.

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Press "F2 Program " or press "PROG FILE", Then you will see.



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F4 F	ile Transfer	NOD	EL		TOM T
	G54	2052.NC	NØ L1 File Man	ager 2016/7/14 11:07:27	DEFAULT
	DiskAlOpenCNCINE Name 2050.NC 2052.NC 5015 5015.NC MDIBlock	Files Free Space: Size 4439147 4439147 2 11600 11	257263KB Modified 2016/06/15 10:05:42 2016/06/15 10:37:02 2016/06/14 17:04:56 2016/06/14 17:09:50 2016/06/15 10:10:32	Comment N1 T0 ([БУ4µ×]]D-6.00) N1 T0 ([БУ4µ×]]D-6.00) N1 G54 M03S24000	
EMODEL	File Import	File Export		Ready Paro DE	Alarm
		TOD	EL F3	F4	F5 TOT
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F1 File Import

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Na 205 205	USB		File M	lanager			
MODI	NUSBDisk Name 日 1104.NC 日 122.NC 日 12300.NC 日 1325X.NC 日 1320.NC 日 300.NC 日 300.NC 日 600租 nc 日 A0.NC 日 A0.NC 日 CC1233.NC NUSBDisk 11 SubD	Size 516 55770 32144 1949081 7468 9677 646 9677 646 9677 646 9677 1462655 98674 1204411 112475 28472 2909693 irs 44 Files Free	Mo 20	ADiskAlopenCNCM Name 2050000 5015 5015 5015.NC MDIBlock	ICFiles 4439147 4439147 2 11600 11 IC Modified: 2011	Mo 20 20 20 20 20 20 6/06/22 14:	EMOT
				Ready Hom	•	Alarm	

Select then Copy.

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Select the Press the k	erile (like the pi	cture the file h	ave selecte	ed.) EL		
You will see	e like this	EL		1	ELE	JOL
	C54 12 Absolute X 0.000 Y -25.500 Z 10.400 C 89.000 S9.000 S9.000	I38.NC NO I Monito Dist. To Go <td< th=""><th>Code G1 G Code G1 G17 G90 G94 G71 G40 G49</th><th>1:10:50 DEFAULT Run Time Accum Run Time 0 :0 :0 33 :9 :3 G00 Over 25 % G01 Over 20 % Spd Over 100 %</th><th>9</th><th></th></td<>	Code G1 G Code G1 G17 G90 G94 G71 G40 G49	1:10:50 DEFAULT Run Time Accum Run Time 0 :0 :0 33 :9 :3 G00 Over 25 % G01 Over 20 % Spd Over 100 %	9	
	F mm/min 0.0 ΤΟ ([ƽμ×]JD-	S 1000 RPM -22.00)	TotalAcu 0 Part 0 Count 0	TODOHO Start Block No.		
EMODEL	G00X11.033Y24 Z5.000 G01Z0.000F300 X1288.973F800 ✓	.029Z10.000	Rettriy Home Parameter Set	DEL Alco Tool Wear Set	E	JOL
	FI I	F2 F3				

Press F2 Simulation switch, you will see.

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use the MPG to check the Nc file.

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Step 1:press AUTO

Step 2: press Cycle start

The machine will work by AUTO .

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