

Beijing ChinaSigns Information Co., Ltd

www.sign-in-china.com

Model: CNCR-M40 ABC

Name: Smart Small CNC Engraving Machine, no computer is required

This small cnc engraving machine, as simple as ABC, 123



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Online Shopping for AD & Signage Products

Overview	Specifications	Packing list	Warranty
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A complete plug and start engraving equipment

Easy to use standalone engraving solution

For production of technical plates and safety signs

Multi - purpose, the engraving machine engraves on plastic and metallic material up to sizes 305mm x 210mm (12" x 8.3").

This reliable and robust equipment includes everything that is necessary to start engraving: Machine, design software, cutters.

A tactile interface, simple and intuitive

The user interface is included in the solution, no computer is required. The cnc engraving machine's software is supported by a tactile screen allowing the design of plates with lines of text, logos and drawings. The files are saved on a SD card.



An affordable solution to diversify your services

Very compact, the M40ABC can be set up in any professional environment, simple and fast on - site engraving widens the scope of services to offer without having to subcontract.



Main Configuration

Maximum Engraving Area: 305mm x 210mm (12" x 8.3")

Machine Overall Size: 700mm x 510mm x 320mm (27.6" x 20" x 12.6"), with integrated Touch Pad

Machine Weight: 21kg

- 5.7" Touch pad with ABC software.



(a) Engraving machine with vice (Standard device)

Maximum size of items to engrave in the vice: 330mm x 200mm x 40mm (13" x 7.9" x 1.6")



(a) (b) Large plate support (Optical device)

Maximum size of items to engrave on the table: 330mm x 260mm x 20mm (13" x 10" x 0.8")

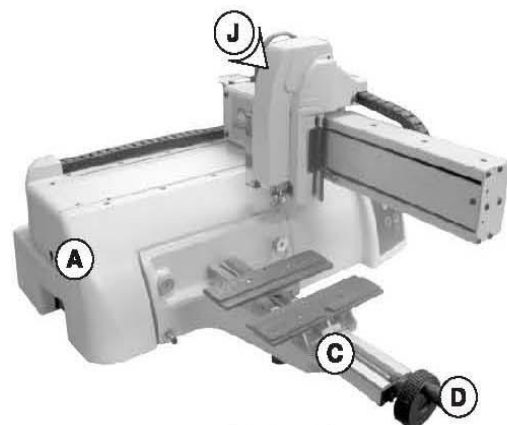


Details

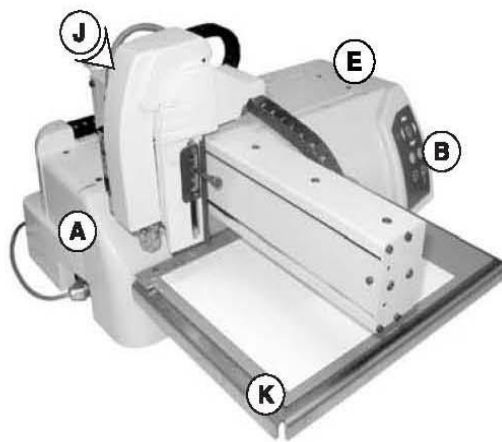
Front view of the machine

Engraving table

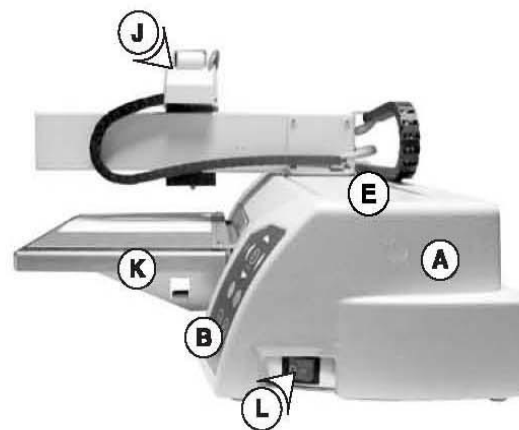
- A. Standard base
- B. Control panel (flexible 9-key control keyboard)
- C. Vice (in standard)
- D. Open-close tightening knob of the jigs
- E. Touch Pad location
- K. Engraving table (in option)
- G.
- L. General shutdown button used as an immediate stop
- J. Tool holder



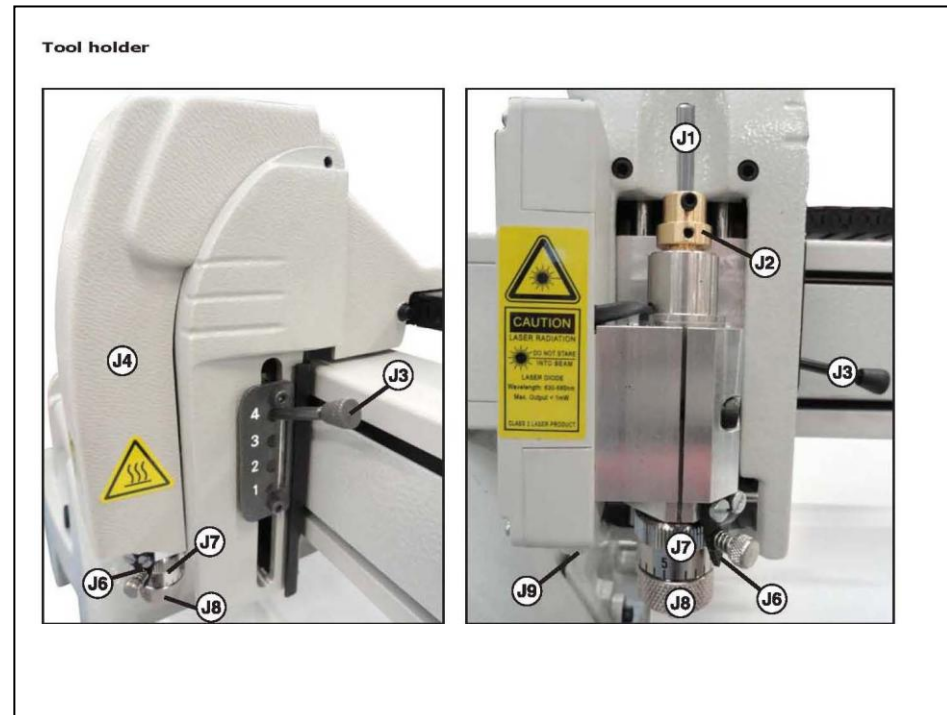
**M40
with the standard vice**



**M40
with the optional engraving table**

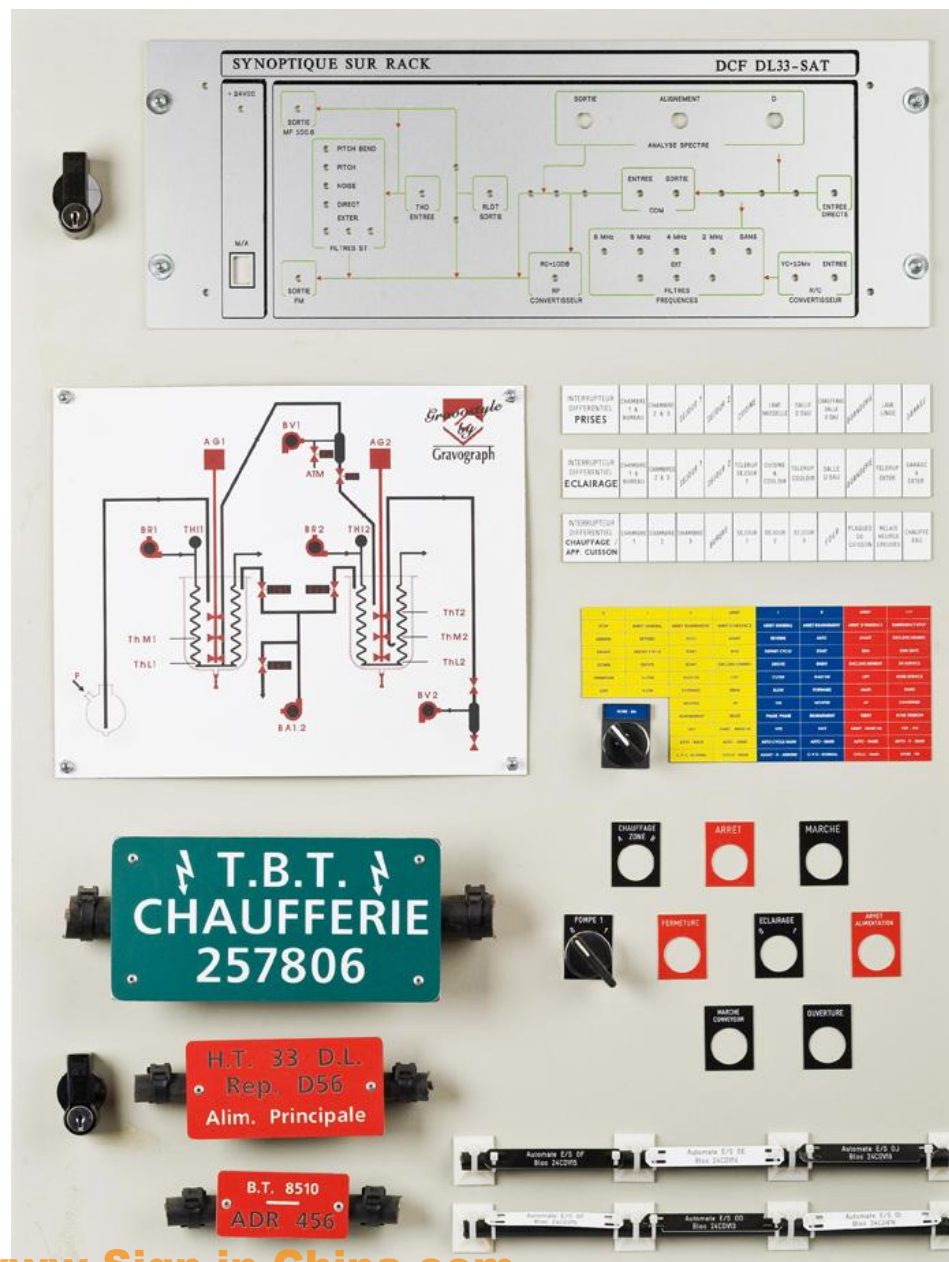
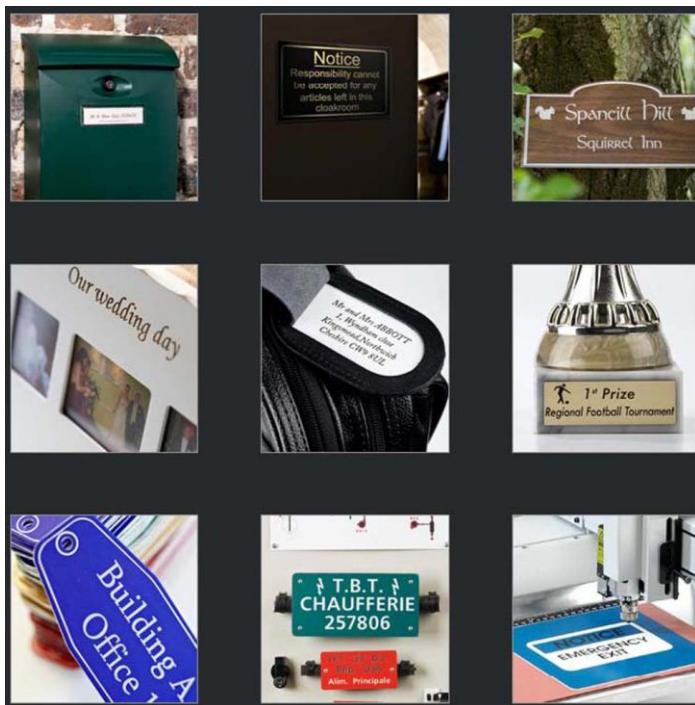


- J1. Cutter
- J2. Cutter button
- J3. Pressure knurl on spindle (four positions)
- J4. Housing
- J6. Index finger
- J7. Scaled knob
- J8. Nose nut
- J9. Laser diode



Applications

Small signs, doorplate, breastplate,
2D plate engraving
Technical plates and safety signs



Usage

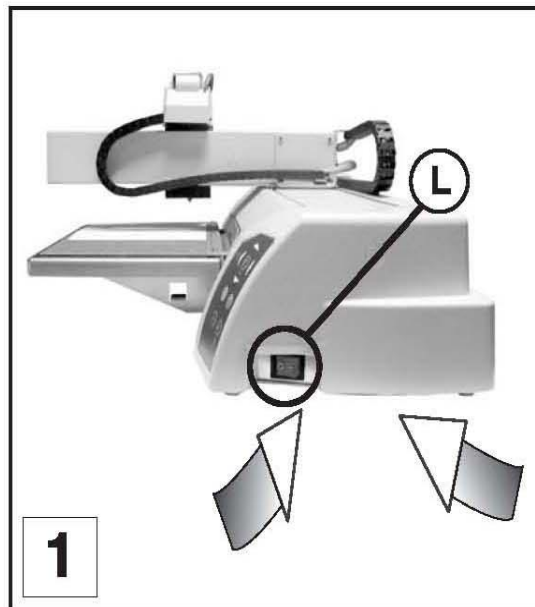
Installing



Before carrying out the following operations, make sure the machine is switched off and unplugged, switch (L) to position 0 (pict. 1).

Physical installation advice

- Put the Gravograph machine onto a stable flat, clean surface with mini. sizes of $17^{23/32} \times 11^{13/16}$ (450 x 300 mm). Make sure the machine is well-ventilated (pict. 1). Do not prevent the air circulation under the machine.



- Normal lighting is sufficient to use the machine.
- Clear the work surface so that you can
 - easily and quickly access all external parts of the machine,
 - quickly gain access, in case of necessity, the general shutdown button **(L)** of the machine,
 - make sure that all moving parts of the machine have enough room to move freely,
 - avoid any accidental unplugging of the cables.



The machine's power supply cable being used as a sectioning device, it must be easily accessible and the wall plug must be installed near the machine and must also be easily accessible.



The connectors screws must be very tight to avoid accidental disconnection of the cables while the machine is turned on as this could permanently damage the electronic cards (label **E1).**

E1



**NE PAS CONNECTER / DECONNECTER
SOUS TENSION
DO NOT CONNECT / DISCONNECT
WHEN THE MACHINE IS ON**

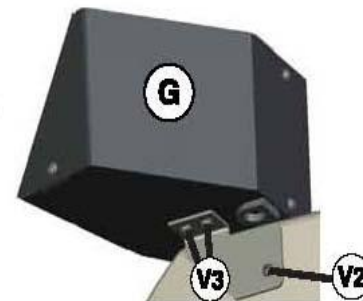


TouchPad installation and wiring**Installation of the TouchPad support**

1. Make sure the machine is switched off and unplugged, switch (L) to position 0.
2. Place the TouchPad support (G) on the pin (1) mounted on the machine. Tighten the screw (V1).



3. Remove the cap (2) and place the fixing (3) with the screw (V2).
4. Adjust the positioning of the TouchPad support (G) with the screws (V3).

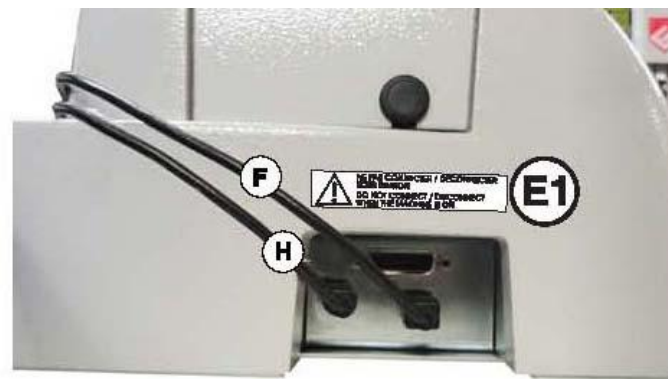
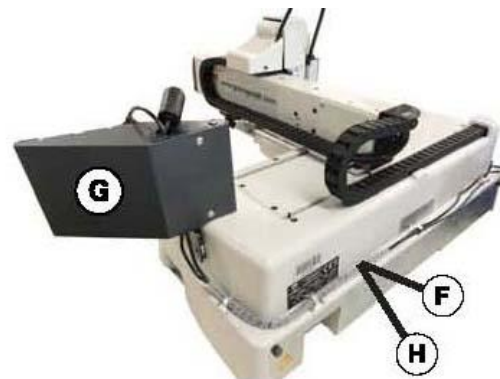


5. Place the cables (F) (USB connection with the machine) and (H) (TouchPad power supply) along the back of the machine and connect them to the machine.



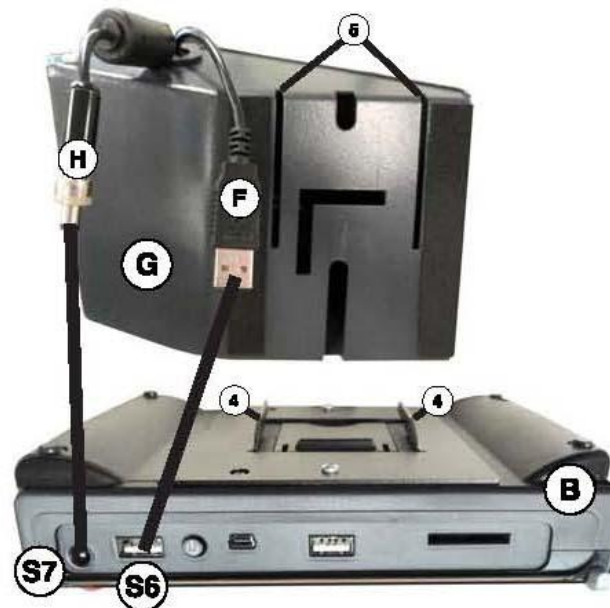
The machine must always be switched off before connecting or disconnecting a cable as indicated on label (E1) displayed on the back of the machine :





TouchPad wiring

6. Place the TouchPad (B) on the support (G) by sliding hooks (4) in grooves (5).
7. Connect the cables (F) (USB connection to the machine (S6)) and (H) (TouchPad power supply (S7)) to the touchPad (B)



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Specifications

Model	CNCR-M40 ABC
Maximum Engraving Area	305mm x 210mm (12" x 8.3")
Table Surface (Table in option)	330mm x 260mm (13" x 10.2")
Maximum Flatness (Vice)	0.3mm (0.01")
Z Maximum Clearance (Table spindle)	35mm (1.4")
Z Maximum Clearance (Vice spindle)	50mm (2")
Z Spindle Travel	40mm (1.57")
Automatic Z Ref.	Yes
Maximum Vice Opening	225mm (8.9")
Maximum X. Y Working Speed	25mm / s (0.98" / s)
Maximum X. Y off – load Speed	40mm / s (1.57" / s)
X. Y Engraving Precision	< 0.1mm (0.004")
Engraving Repeatability	< 0.05mm (0.002")
Kind of Spindle	Rotating / top loading
Cutter Diameter	4.36mm (11/64")
Maximum Rotation Speed	20000rev / min
Speed Regulation	No
Output	50W
Depth Regulating Nose	Compatible with all the depth regulating noses
Operation Temperature	Min. +5℃; Max. +40℃
Storage Temperature	Min. -5℃; Max. +45℃
Degree of Relative Moisture When in use	20 to 80%
Power Supply	AC100 – 240V, 50 / 60Hz

Point & Shoot

Kind	Laser diode
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Wavelength	630 – 680nm
Max. Output / Class	1mW / Class 2

Connections - Control panel - Links

Connection with the computer	USB
Cylinder attachment connection	Mini DIN female 8 - pin
Control panel	Membrane with raised tactile points
Number of keys	9
Display	Touch screen of the Touch Pad
Inputs / Outputs connection	Sub – D female 15 - pin

Engraving Software

Engraving Software	ABC software
Firmware	Version x. xx and more
Operating System (for the engraving software)	Windows CE 5.0
Language	French, English

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Terms & Condition of Purchase: After we receive PO from customer with stamp, we give PI for customer.


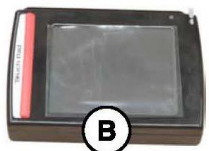
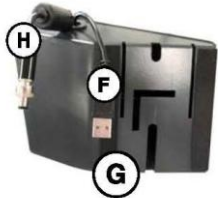


Lead Time: After receiving customer's deposit, within 2-4 weeks.

Wooden Box: There is total one carton box.

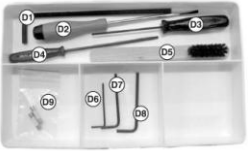


Machine Dimension	700mm x 510mm x 320mm (27.6" x 20" x 12.6")
Machine Weight	21kg
Package	Carton box with foam fixed
Packing Size	780mm x 580mm x 510mm (30.7" x 22.8" x 20.1")
Gross Weight	26kg



Packing List

Pictures	Name	Qty
	M40 ABC engraving Machine	1 set
	Touch pad (PC with touch screen) with stylus	1 pc
	Touch Pad support with: F. USB cable H. Main cable	1 set
	Keyboard	1set
	Engraving machine with vice	1 set



	Toolbox	1 set
	User instructions (in CD)	1 pc
	Power cable	1 pc

Contents of the toolbox

- D1. One wrench (5 - L 160)
- D2. One screwdriver (ø3,5mm)
- D3. One short allen key (2)
- D4. One round allen key (3 - L 88)
- D5. One brush
- D6. One wrench (1,5)
- D7. One wrench (2,5)
- D8. One wrench (3,0)
- D9. Two **T 2 A H - 250V** * fuses



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Comprehensive guarantee for one year except the wearing parts

24 - hour technical support by email or calling

User - friendly English manual for machine using and maintaining

Spare Parts Supports

We provide all replacement parts for all machines we sold, if you have a parts that break beyond warranty period, you could order it directly from us at reasonable prices. We would post the new parts with step by step instructions in PDF format on how to replace the parts to you.

If you want to buy any parts from us, please tell us the names or pictures of the parts.

Satisfaction Guarantee

For the items other than consumable products sold via www.Sign-in-China.com, we provide 12 months warranty after shipment. All the extra parts for equipment can be purchased from www.Sign-in-China.com. Further, for our VIP customers, the period of warranty shall be extended to 18 months.

We offer 14 days 100% satisfaction guarantee on all our machines. If you are not satisfied after receiving an item, Sign-in-China.com promises that, within 14 days after actual delivery of such an item, you are allowed to return the item to us and get complete refund, provided the returned item does not affect its subsequent re - selling and you also undertake the charge of returning delivery.

More information, please look at the document of [Training & Warranty & Service Policies](#).

