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Smart Small CNC Engraving Machine, no computer is required

Item Code: CNCR-M40 ABC



Mini Order: 1 set

Shipping Weight: ★★★★★

Average Rating: 55.0lb (25kg)

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Overview

This small CNC engraving machine, as simple as ABC, 123.

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

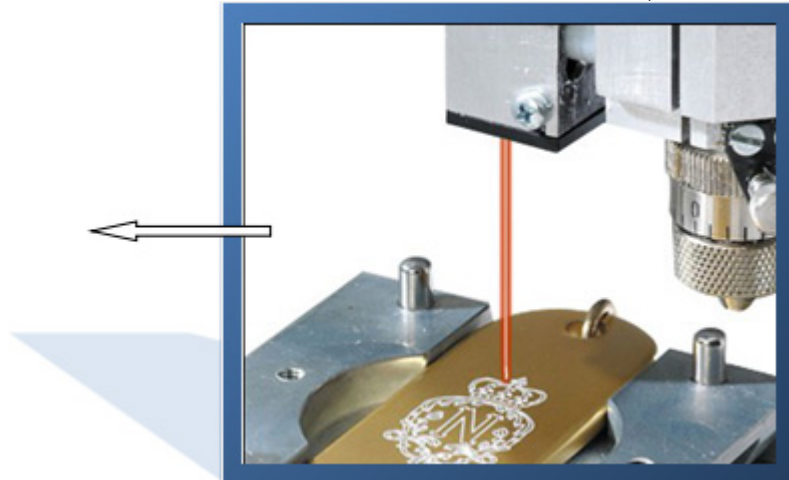
5.7" Touch pad with ABC software.



(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")

(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")

Red laser pointer simulates the engraving job -
 no measuring required.

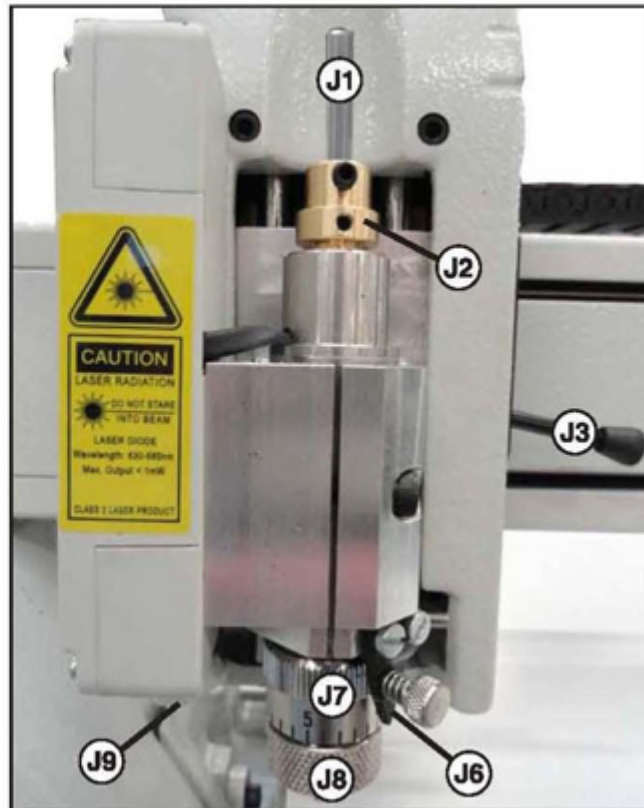
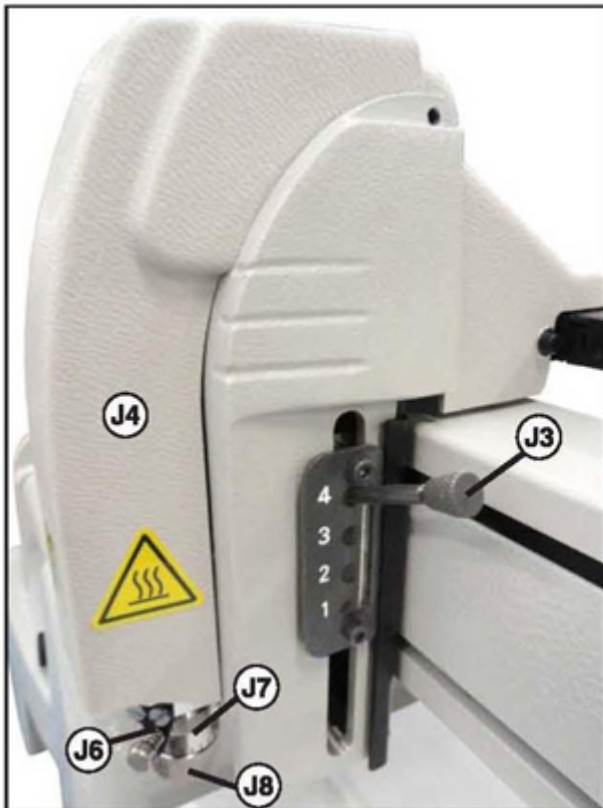


Applications

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

Details

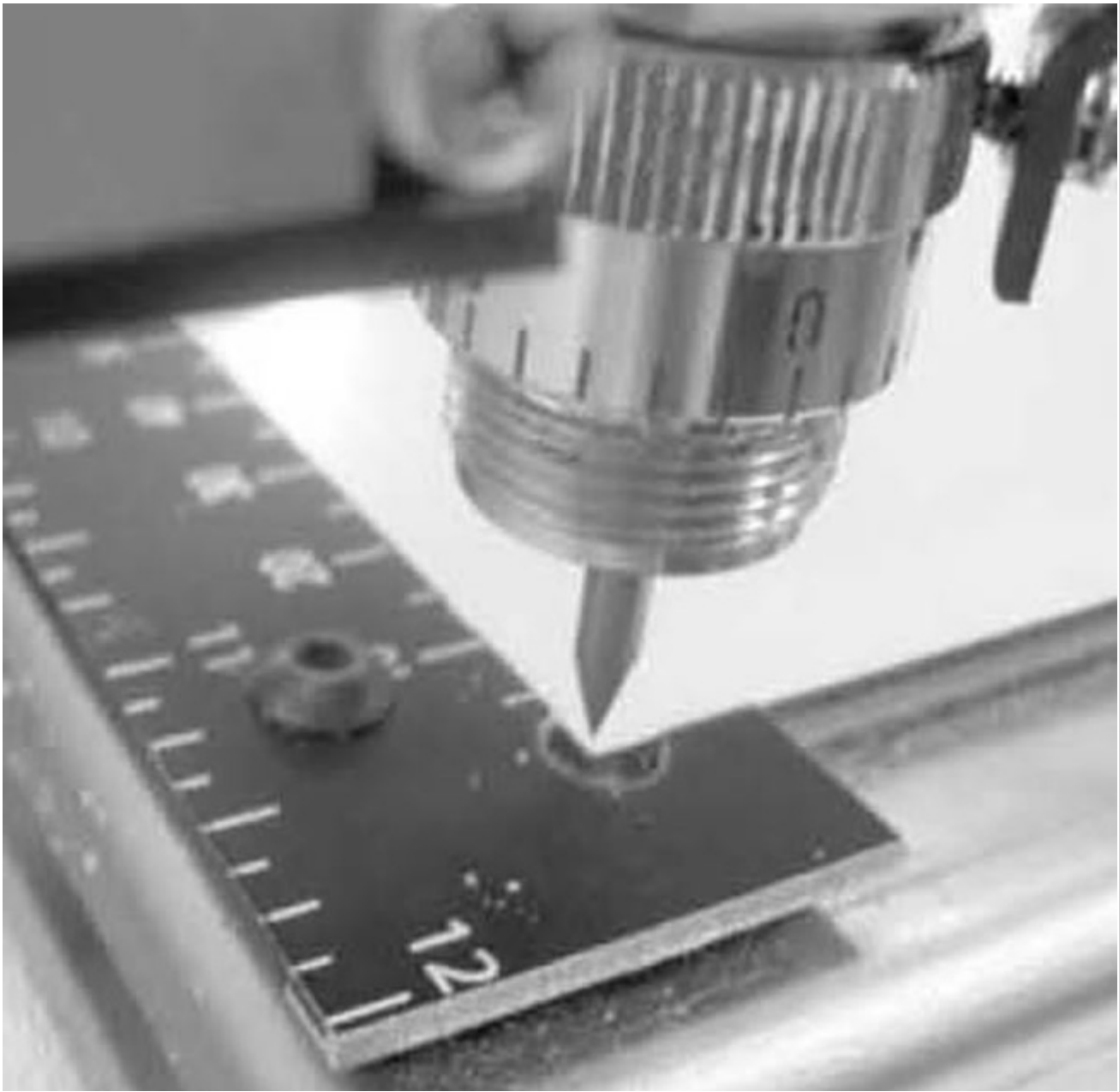
Tool holder



- 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







Usage

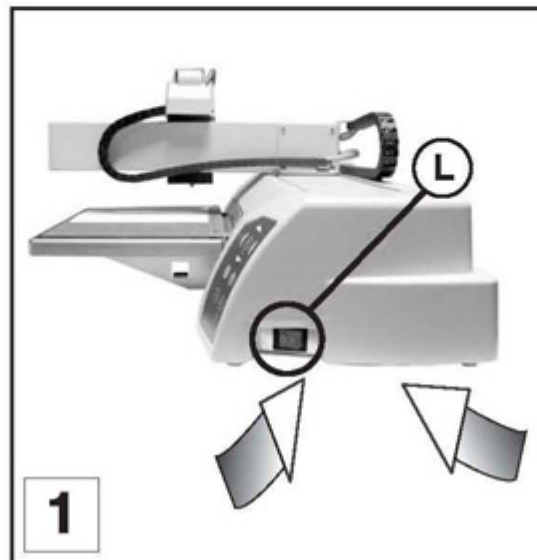
Installing



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)

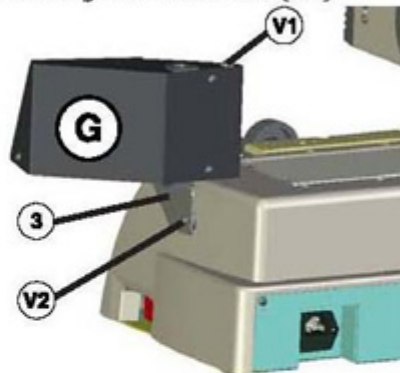
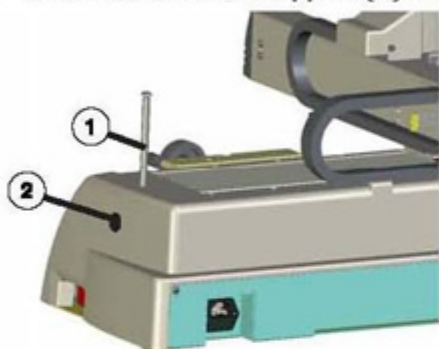


NE PAS CONNECTER / DECONNECTER
SOUS TENSION
DO NOT CONNECT / DISCONNECT
WHEN THE MACHINE IS ON

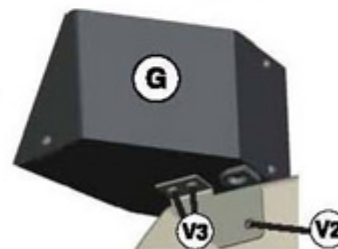
TouchPad installation and wiring

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).



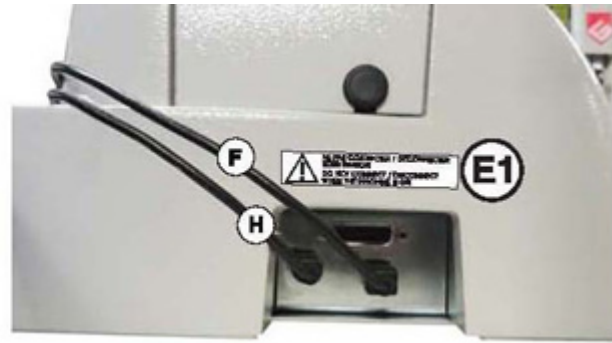
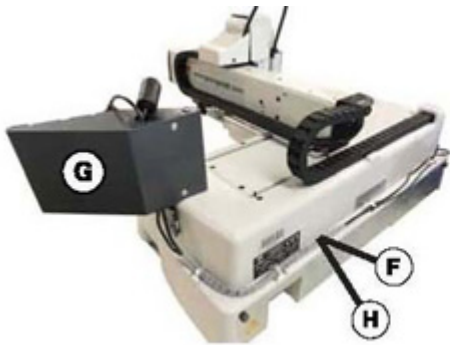
3. Remove the cap (2) and place the fixing (3) with the screw (V2).
4. Adjust the positioning of the TouchPad support (G) with the screws (V3).



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.

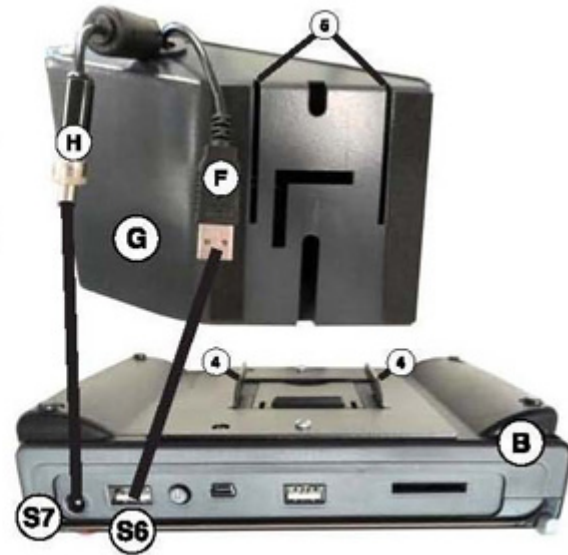


The machine must always be switched off before connecting or disconnecting a cable as indicated on label (E1) displayed on the back of the machine :



TouchPad wiring

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



Specifications

Model	CNCR-M40ABC
MaximumEngravingArea	305mmx210mm(12"x8.3")
TableSurface(Tableinoption)	330mmx260mm(13"x10.2")
MaximumFlatness(Vice)	0.3mm(0.01")
ZMaximumClearance(Tables spindle)	35mm(1.4")
ZMaximumClearance(Vicespindle)	50mm(2")
ZSpindleTravel	40mm(1.57")
AutomaticZRef.	Yes
MaximumViceOpening	225mm(8.9")
MaximumX.YWorkingSpeed	25mm/s(0.98"/s)
MaximumX.Yoff-loadSpeed	40mm/s(1.57"/s)
X.YEngravingPrecision	?0.1mm(0.004")
EngravingRepeatability	?0.05mm(0.002")
KindofSpindle	Rotating/toploading
CutterDiameter	4.36mm(11/64")
MaximumRotationSpeed	20000rev/min
SpeedRegulation	No
Output	50W
DepthRegulatingNose	Compatiblewithallthedepthregulatingnoses
OperationTemperature	Min.+5?;Max.+40?
StorageTemperature	Min.-5?;Max.+45?
DegreeofRelativeMoistureWheninuse	20to80%
PowerSupply	AC100-240V,50/60Hz

Point & Shoot

Kind
Wavelength

Laserdiode
630-680nm

Connections - Control panel - Links

Connectionwiththecomputer	USB
Cylinderattachmentconnection	MiniDINfemale8-pin
Controlpanel	Membranewithraisedtactilepoints
Numberofkeys	9
Display	TouchscreenoftheTouchPad
Inputs/Outputsconnection	Sub-Dfemale15-pin

Engraving Software

Engraving Software	ABC software
Firmware	Versionx.xxandmore
Operating System(fortheengravingsoftware)	WindowsCE5.0
Language	French,English



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