

Metal etching unit

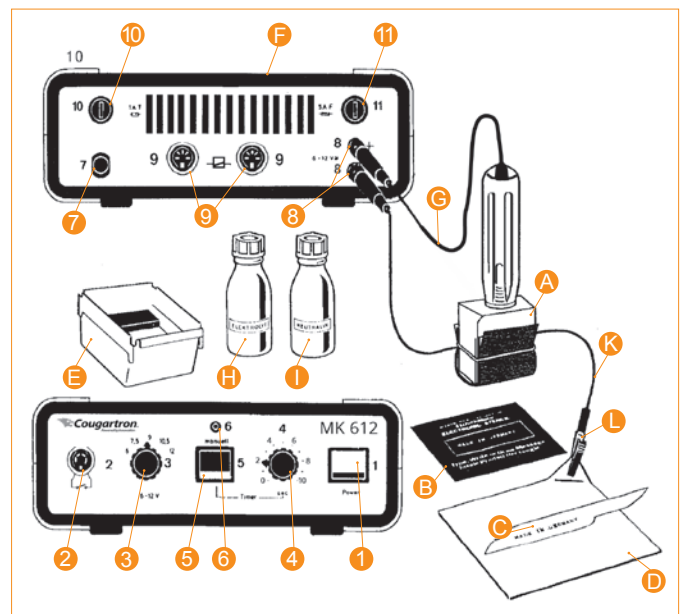
MK 612

TECHNICAL SPECIFICATIONS

| Power output: | Mains supply: | Output: | IP protective rating | Dimensions | Weight |
|---------------|-----------------|------------------------------------|----------------------|--|--------|
| 60 VA | 220 V~ 50/60 Hz | 6 V, 7,5 V, 9 V, 10,5 V, 12V~ / 5A | II to EN 61558-1 | Length: 145 mm Width: 215 mm Height: 65 mm | 2,5 kg |

SCOPE OF SUPPLY FOR THE MARKING SET

- A** Marking stamp (1x)
- B** Stencils for customer's own designs (100 Sheets)
- D** Contact plate (1x)
- E** Electrolyte container (1x)
- F** Etching unit (1x)
- G** Cable for etching stamp (1x)
- H** Bottle of electrolyte (1x)
- I** Bottle of Neutralin (1x)
- K** Cable for contact plate (1x)
- L** With crocodile clip



IMPORTANT:

AFTER THE MARKING OPERATION, PLACE THE ETCHING STAMP (A) IN THE ELECTROLYTE CONTAINER (E) AND NOT ON THE CONTACT PLATE (D).

WHERE WORK INTERRUPTIONS ARE LIKELY TO BE 12 HOURS OR MORE, STORE THE ELECTROLYTE CARRIER IN AN AIRTIGHT CONTAINER.



Suitable for: "Manual" or "Automatic" operation

WORK PROCEDURE

With manual operation with an etching stamp (A) but without etch-time preset

1. Connect etching unit **F** to a 220 V~ 50/60 Hz power supply using cable **7**.
2. Connect leads **G** to sockets **8**, contact plate **D** and etching stamp **A**.
3. Moisten the felt on etching stamp **A** generously with electrolyte **H**.
4. Inscribe stencil **B** using a typewriter, ball-point pen or sharply pointed, hard pencil. Alternatively, you can use a stencil tape for the Brother P-touch or CASIO Label Printer. Long-run stencils made of coated fabric can be made up for you to your specifications, for example with your company logo.
5. Place workpiece **C** on contact plate **D**.
6. Switch on the unit **F**. Red push-button **1** will light up.
7. Set switch **5** to "MANUAL", the green indicator lamp **6** will light up to show the unit is ready for use.
8. When the unit **F** is used in manual mode, the etch-time preset **4** is deactivated.
9. Set the voltage on switch **3**.
10. Align stencil **B** above the workpiece to be etched. Mark the workpiece by applying the etching stamp **A** to stencil **B** for approx. 1 to 3 seconds. Determine the ideal etch time by performing a few tests.
11. If the image to be applied is larger, it is preferable to apply the stamp twice or, if you are using the horizontal sliding method, slide the etching stamp **A** several times from left to right across the stencil **B** while applying gentle pressure.
12. After completing the etching operation, clean the workpieces with NEUTRALIN **I**. If the steel is liable to corrosion, dry the parts and apply a light coating of oil, if required.
13. Important: After the marking operation, place the etching stamp **A** in the electrolyte container **E** and never on the contact plate **D**, as otherwise the circuit-breaker will trip and switch off the machine.
14. When you have finished work, switch off the unit **F** using switch **1**.