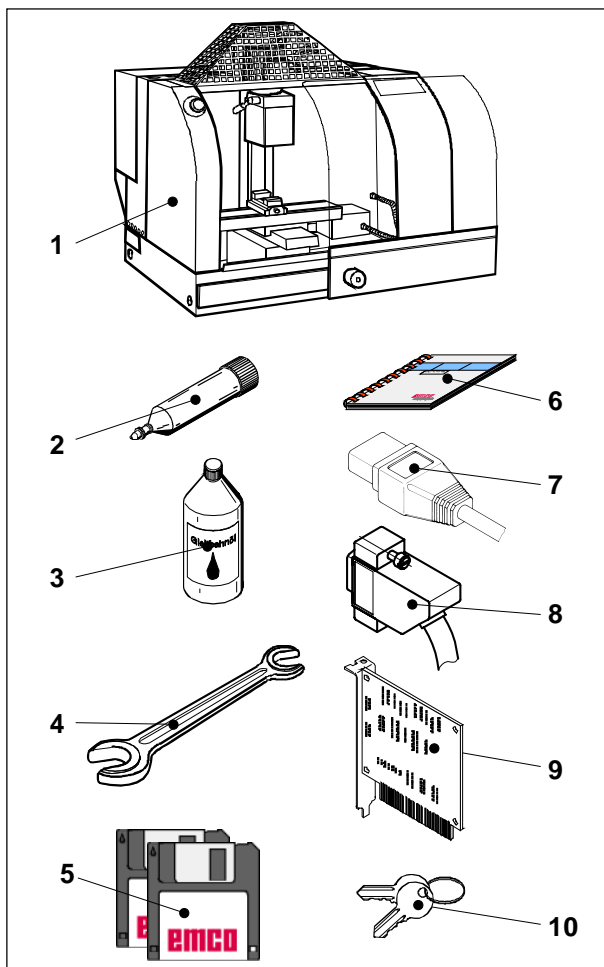
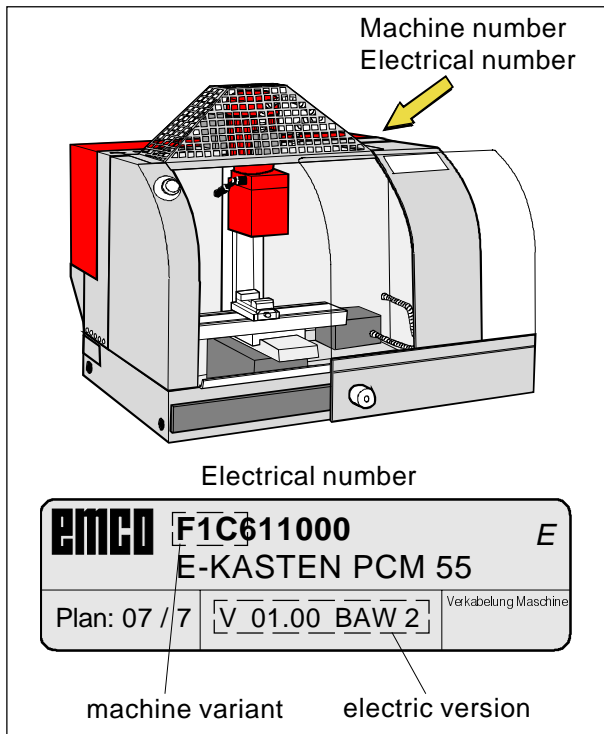


A Machine installation



Scope of supply

Machine acceptance

- Check the machine for any transport damage and completeness of the delivery.
If you find any defects, please contact the dealer or the insurance company.
- In case of complaints always specify the exact designation of the machine and the machine number.
The self-adhesive plate indicating the machine number and the electric number is on the machine side below the key switch.

On the plate with the electric number you'll find:

- machine variant (e.g. "F1C")
- Electric version (e.g. "V 01.00 BAW 2")

The available circuit diagrams for this machine you will find in the Electrical Documentation, which is put inside of the electrical cabinet of the machine.

The Electrical Documentation may also be ordered from EMCO:

Electrical Documentation EMCO PC MILL 55

Ref. No. ZVP 675 020

Version F1C_V01.00 BAW 2

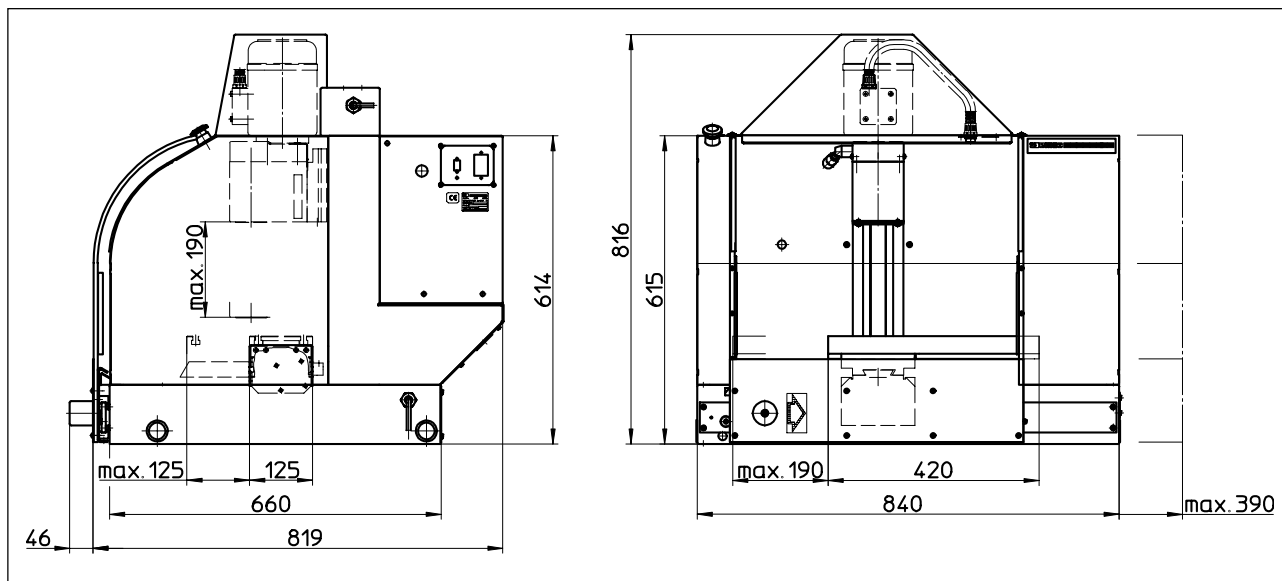
(= machine variant and electrical version of your machine)

- The rust protection agent must be removed by the customer

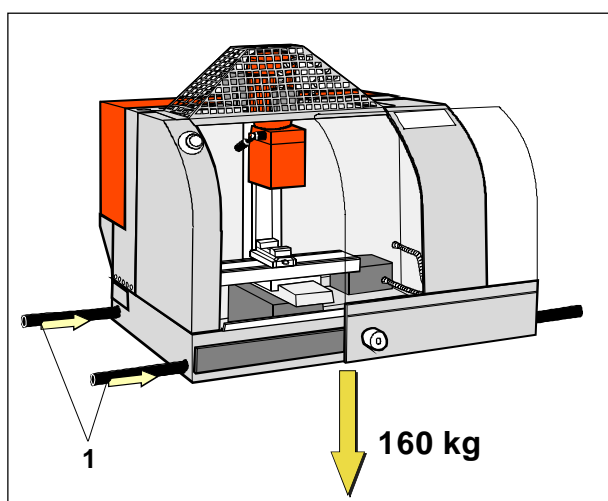
Scope of supply

1. Milling machine EMCO PC MILL 55 with chip tray, splash guard, complete electric equipment, chip guard door and safety package.
2. 1 oil gun
3. 1 bottle (0.25l) of slideway oil
4. 1 hexagonal key SW10x13
5. Floppies with NC software and machine data
6. 1 machine- and software description
1 electrical documentation
7. 1 power cable
8. 1 9-pole interface cable (RS 422)
9. 1 PC interface card PCCOM (RS 422/CAN)
10. 2 keys for main switch

Dimensions of the machine



Dimensions of the machine



Transport of machine

Transport of the machine

For transporting the machine two bars can be pushed through the holes (1).

Weight of machine approx. 160 kg

Danger:



For transporting the machine only use such bars which ensure that the carrying capacity of the bars corresponds at least to the weight of the machine.

Installation requirement

The machine has to be placed on a stable table.

Weight of machine 160 kg

Ideal table height approx. 650 mm

Installation width x depth 840 x 660 mm

Note:



Mind that the ventilation slots on the electric cabinet are not blocked or covered.

In case of insufficient ventilation disturbances on the machine due to too high temperature might occur.

Electrical connection of the machine



Danger:

A ground wire contact has to be available at the socket.

Voltages: 100 V 1/N/PE ~ 50/60 Hz
110 V 1/N/PE ~ 50/60 Hz
230 V 1/N/PE ~ 50/60 Hz

Connected load: 0,9 kVA

Preliminary fuse: max. 10 A slow

Max. voltage fluctuations: +5/-10%

Adjustment of the required supply voltage

- Push up the latch on the casing (3) and remove the casing with the fuse (1) and the selector pin (2).
- Turn the selector pin (2) in such a way that in the window of the casing (3) the following voltage setting appears:

Mains supply	Setting in control window
*100V-mains	setting 100V + transformer
110V-mains	setting 120V
230V-mains	setting 220V

- Put the whole unit with fuse (1), selector pin (2) and casing (3) again into the socket.



Attention:

With the 100V mains supply there has to be done a modification on the transformer of the machine!

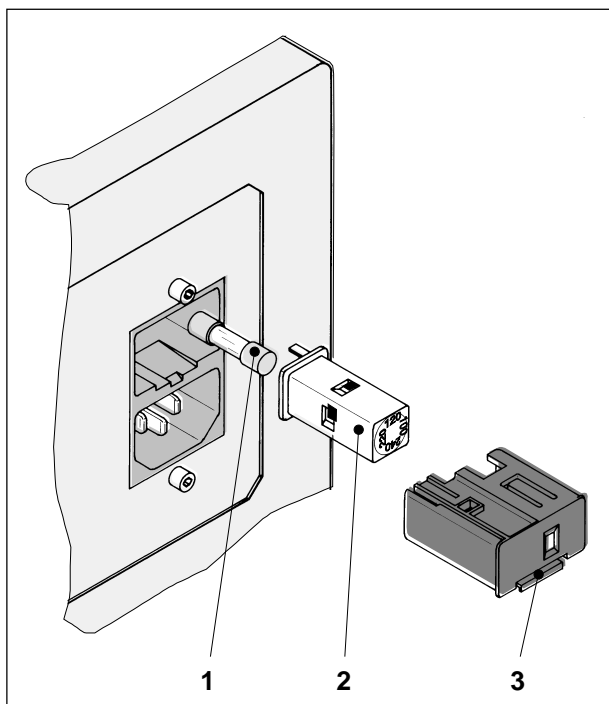
Modification on transformer for 100V mains supply



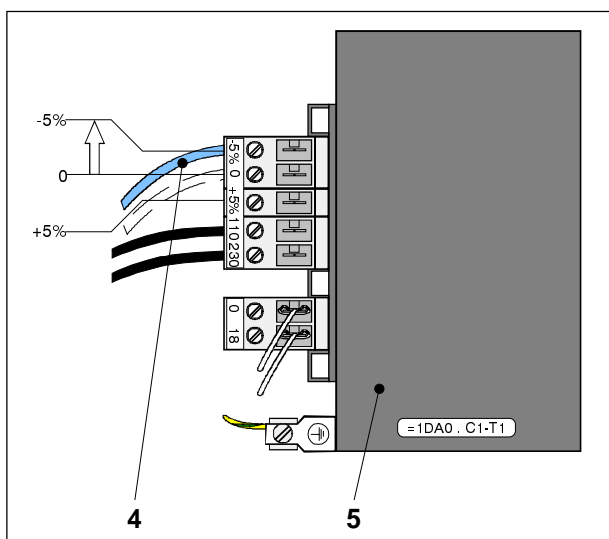
Danger:

Modifications in the electric cabinet may only be carried out by an electrician expert.

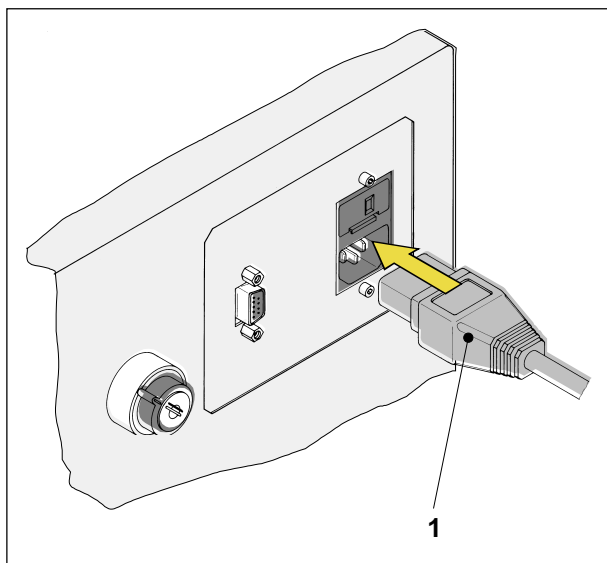
- Unscrew cover of the electric cabinet on the rear side of the machine.
- Connect blue core (4) on the transformer (5) from setting "0" to setting "-5%".
- Remount cover of electric cabinet.



Adjustment of the supply voltage



100V-voltage adjustment on the transformer



Power connection of the machine

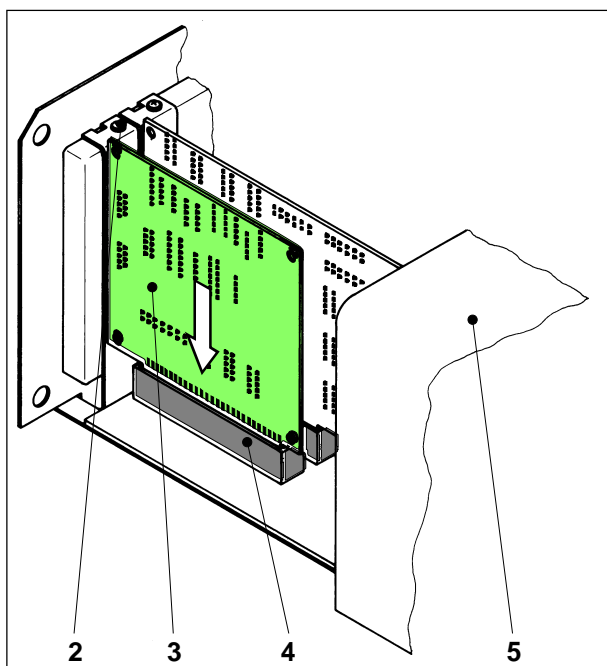
Connection of the power cable

- Plug in the power cable (1) at the machine and the other end at a socket with ground wire contact.

Installation of the interface card

Prior to installing the software the interface card should be mounted.

The interface is a serial interface RS 485 and is used for connecting the computer with the machine.



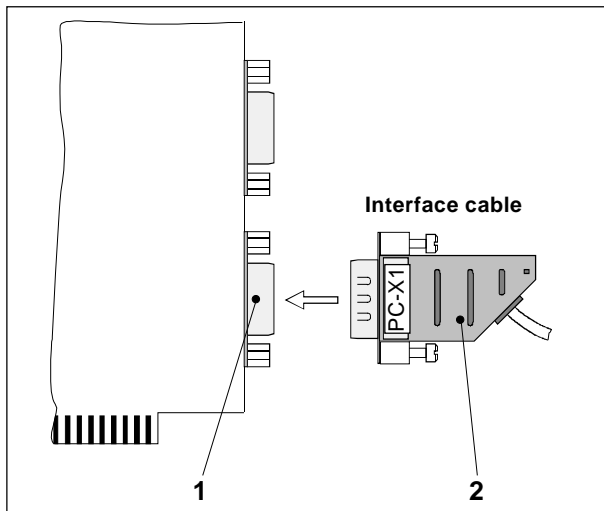
Installation of the interface card

Danger:



- The interface card may be only be mounted if the computer is disconnected from the power supply (take off plug).
- The computer may be connected again to the power supply only if the frame is mounted again.

- Switch off computer and take off plug.
- Take off frame cover (5) of the computer.
- Insert interface card (3) in a free slot (4).
- Tighten interface card (2) with fixation screw (2).
- Remount frame cover (5).
- Connect power supply plug.



Connection of interface cable to the PC

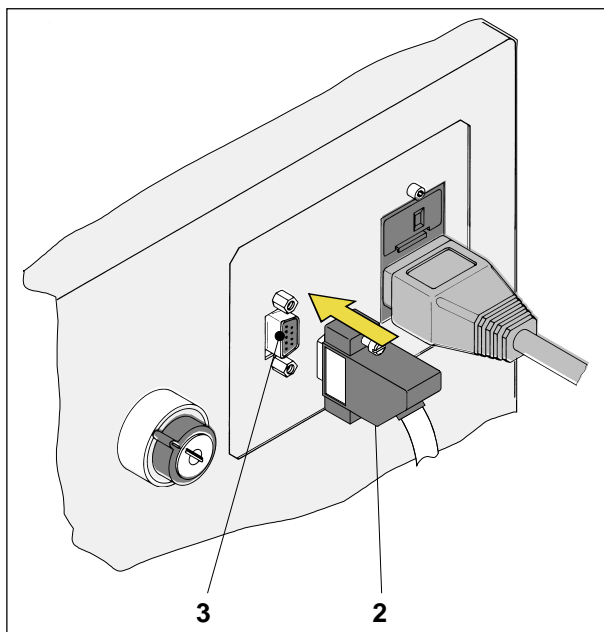
Connection PC-machine



Attention:

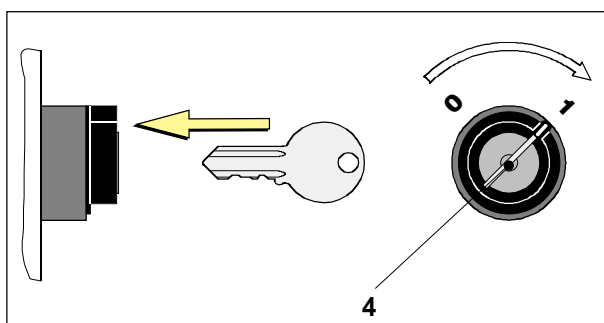
The machine cannot be controlled, if the interface cable will be connected wrongly.

- Connect interface cable (2) with the plug named "PC-X1" on the lower socket of the interface card (1).



Connection of interface cable to the machine

- The free end of the interface cable with the plug named "Maschine-X300" has to be connected on the socket (3) of the machine.



Key switch on the machine

Initial start-up

- Machine is to be cleaned from rust preventive agent with a clean cloth.
- Establish power connection.
- Switch on machine at key switch (4).

Note:

If the machine is not used for a longer period of time, slightly oil blank parts, protect machine against unauthorized start-up (take off key) and cover machine with dust protection.

