



*Index Braille opens  
the door to Windows*

# Everest and 4X4 fuse exchange

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## Reasons for blown fuses

- **Major peaks on the main power supply**
- **No or bad grounding of the embossing unit**
- **Fault on the mainboard**
- **Burned hammers, OK hammers should have 1.8-2.4 Ohm resistance**
- **Damaged printhead cable**



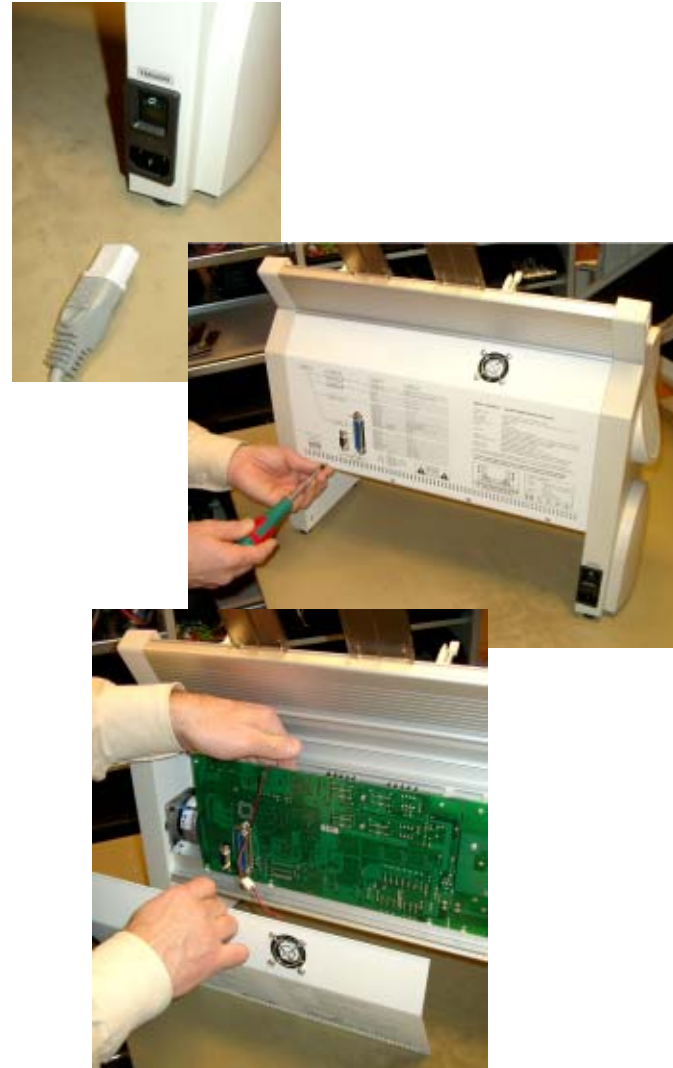
## Check power fuse

- Check that the incoming fuse on/off switch is lighted when turned on
- If not lighted take the following steps;
  - ◆ Remove power cable from embosser
  - ◆ Remove the fuse holder with a sharp tool
  - ◆ Insert a new fuse, 6.3 A slow blow 20x5 mm and check that the printer starts up



## Open back plate

- **Disconnect power and communication cable**
- **Unscrew the four screws on the backplate (PH #2)**
- **Disconnect the fan cable**
- **Remove the backplate**



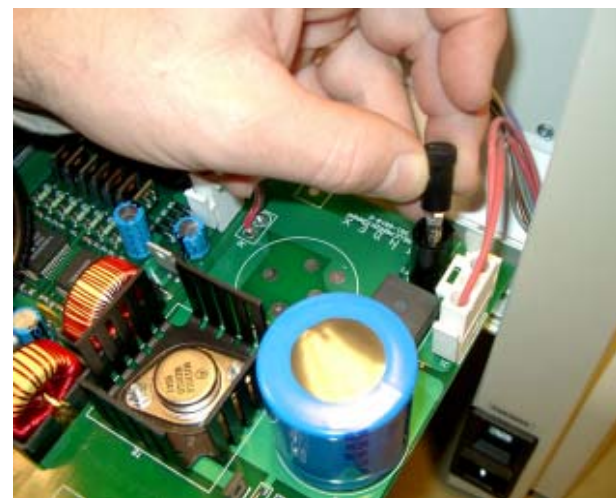
## Flip out the boards

- **Open the white plastic clips on the upper edge of the boards.**
- **Flip out the boards carefully**



## Check LED + exchange fuse

- **Check that any LED is lighted after power on. If no LED is lighted it is likely that the main fuse has burned**
- **Remove the fuse from the fuse holder on the power supply board and replace it with fuse 6.3 A, slow blow 20x5 mm**



## Function test

- **Make a "power on" + "on line" + "on line" test.**
- **Check that printout from all 13 hammers is OK**
- **Make a volume test with minimum 20 papers. Press "Power on" + "off line" to start the test**



## If the fuse blows again

- **Disconnect power supply from mainboard and power up to check if the reason is power supply board or mainboard/printinghead**
- **Connect power to mainboard and disconnect the printhead. Starting up = mainboard is OK, hammer drivers not checked**
- **Check the resistance on each hammer. Correct level is 1.8-2.4 ohms. If any of the hammers is burned (about 0 ohm) the printhead has to be exchanged**
- **If printhead is correct (1.8-2.4 $\Omega$ ) connect printhead cable. Power on the unit. Directly blown fuse = faulty hammer drivers on mainboard – exchange mainboard**
- **If OK, make a power on "on line" + "on line" test printout. Check that printout of all 13 hammers are OK**

