HSAjet TCU Setup Guide

Follow this guide to setup your TCU unit

**Please also see "TCU quick start" for message design process
(supplied on CD)**

Important

Congratulations on your new TCU. You have purchased a simple-to-use unit that still provides you with great flexibility in your marking needs.

To care for the unit some precautions have to be taken. Please follow these carefully:

⚠️ Observe what voltage the TCU is made for. Correct voltage is written on the sticker next to power connector. Never supply different voltage.

⚠️ **Do not** do any of the following while the machine is turned on

- Take out compact flash card
- Disconnect cables to print heads

⚠️ It is recommendable to store cartridges while not in production in airtight container with the supplied plastic tape mounted on nozzles, to prevent dry-out.
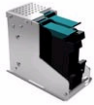
Unpack the equipment

You need the following to print with a TCU

TCU Unit.

This may be with or without display

Print heads (stalls)

One or two HP stalls, can be configured as double or single

Compact flash card

A normal Compact Flash card, 32 to 256 Mb, should be formatted in FAT

Start sensor

Photoelectric or proximity switch to detect product

Ink Cartridge

A series 45 compatible ink cartridge. Can also be part of the bulk system.

Power cable

Normal power cable with ground.

Compact Flash reader / writer

To transfer layouts created on a PC / laptop, to the CF card

The following parts are optional

Terminal / print selector switch

To choose messages on TCUs without display

Encoder

For accurate measurement of speed.

Connect the TCU

❑ Connect HP stall(s) using the 25 pin cables to Head 1 and Head 2

❑ Insert ink cartridge(s) into the stall(s) and lock them

❑ Connect the start sensor to I/O.
Please consult TCU manual for connection of wires if you were not supplied with a complete unit

❑ Connect power cable

⚠️ Notice that your unit does NOT work without a CF card inserted. This card MUST

- Be formatted in FAT (FAT-32 and NTFS will not work)

- Have TCU system files and at least 1 layout on the card.

Optional equipment:

❑ Connect the encoder to ENCODER connector.
Please refer to wiring diagram in TCU manual if not mounted with connector

❑ Connect terminal / message selector, to COM 2

Once all is connected, you can prepare the CF card with the message(s).

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Make a sample print

❑ Look on the supplied CD in the directory for sample files

❑ Copy all the files in this directory to your compact flash card.

❑ Eject the card
(Windows 2000 / Windows XP: select "Eject" from Windows Explorer)

❑ Insert the card in your TCU

❑ Turn on power

TCU without switch / terminal:

   ❑ Press RED button to start print mode. Only first file transfered to the
      card can be used. Make sure only one layout is present.

TCU with selector switch:

   ❑ Turn switch to position 11 or 12

   ❑ Press RED button to start print mode

TCU with terminal / Integrated TCU:

   ❑ Select the file using arrow keys
      and press Enter to load

   ❑ Press start print button on terminal, or RED button on TCU
      to start print mode

❑ Activate the start sensor and see a print.
   Sample files work without encoder, at 15 or 20 m/minute

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