

# HSAJET® Tiny Controller Units

TCUF / TCUF-INT

The TCUF controllers are designed for limited printing jobs still requiring a high-resolution and high quality print



TCUF-INT HAS A BUILT-IN KEYBOARD AND DISPLAY

## HSAJET® Tiny Controller Unit

The HSAJET® Tiny Controller Units (TCUF) are the ideal printing solution for small messages i.e. for printing text, barcode, counters, date/time, and graphics. Ideal for integration on webs, inserters, and other equipment.

It is a very compact solution and calls for a minimum of maintenance. Consequently, no special training is required to operate and maintain the HSAJET® TCUF.

The design is made in stainless steel and can easily be implemented in production areas.

## TCUF with optional external keyboard or print selector

The TCUF standard solution has no keyboard, but is still very easy to use. One print job can be saved on a CF card and will automatically be loaded once you turn on the TCUF.

For easy selection of different print jobs and input of text prompts you can use a message selector switch, which can hold up to 12 print jobs, or connect an external keyboard, which can administrate even further print jobs.

## TCUF with integrated keyboard

The TCUF-int has an integrated keyboard and display. You can insert a CF card with multiple jobs and select jobs directly from the keyboard.

## Printheads

Two output connectors are available for controlling either 1 x 1-pen, 2 x 1-pen or 1 x 2-pen HP printhead. All printing must be with the same printing direction.

The TCUF is compatible with our F-type printheads.

## Simple and effective

The TCUF is very easy to use and provides high-resolution and high quality printing still keeping cost low.

## Print at breakthrough speeds of up to 300 m/min (984 ft/min) in 300x150 DPI

- GRAPHICS
- COUNTERS
- TEXT (ALPHANUMERICAL)
- DATE & TIME (REAL-TIME & ADJUSTED)
- 1D & 2D CODES (FIXED)\*
- WINDOWS FONTS

\* For information on specific barcodes please go to [www.hsasystems.com](http://www.hsasystems.com)

# Technical Details

## HSAJET® TINY CONTROLLER UNIT TCUF / TCUF-INT

### Technology

HP TIJ 2.5

### Print height

Up to 25.4 mm / 1"

### Printheads

1- or 2-pen F-type printheads

### Print distance

0.5-2.0 mm  
(nozzle to print surface)

### Voltage

100-240 VAC

### Print buffer

TCUF: 64 MB  
TCUF-int: 64 MB

### Memory

CF card: <2 GB

### Screen

2 line LCD display (only TCUF-int/  
Term3)

### Design software

OBJ InkDraw (special section)

### Software menu language

English (multiple languages)  
(only TCUF-int/Term3)

### Print options

Left/Right  
Upside-down

### Layout options

Works with mm/inch/point/pixel

### Interface

CF card (FAT format, max. 2 GB)  
Encoder Input 3-33 V (SUB D9)  
In-/output 3-33 V (SUB D9)

### Signals

Low ink signal  
Print signal  
Print message signal

### Complies to

CE directives

### Housing

Stainless steel

### Weight

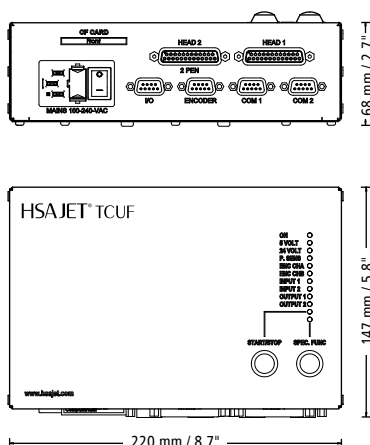
TCUF: 1.5 kg / 3.3 lbs  
TCUF-int: 1.6 kg / 3.5 lbs

Resolution (DPI) (horizontal x vertical)	Max. speed	
	m / min	feet / min
600 x 600	38	125
300 x 300	76	250
300 x 300 1 row	152	500
150 x 300	306	1000

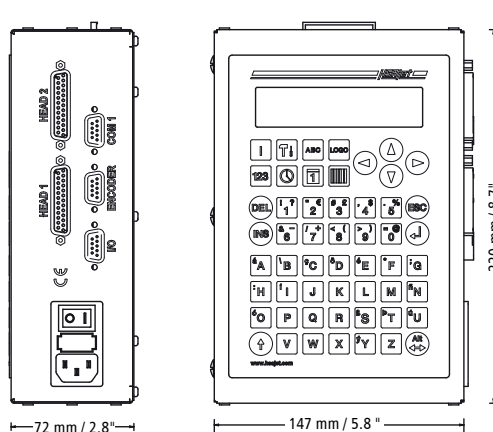
### Accessories

- Term3 external keyboard (TCUF)
- Print selector switch (for TCUF)
- Compact flash card (CF)
- CF card reader/writer for PC
- Sensor and encoder
- Bridges and brackets
- Mountings (prepared for Inocon 53 mm)
- F-type printheads (see other flyer)

### TCUF



### TCUF-INT



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