

# HSAJET® Controller Unit

CU2-XJ128 / CU2-XJ500

The HSAJET CU is a high-resolution print Controller Unit for XAAR 128 & 500

## Stand-alone HSAJET® printer with XAAR print-engines

The CU is equipped with LAN and Serial communication allowing remote controlled variable printing.

### HSAJET® Controller Unit

The HSAJET® Controller Unit is the ideal printing solution for small messages i.e. for printing text, barcode, counters, date/time, and graphics. Ideal for integration on e.g. web, inserters, folders, collators and other equipment. It is a very compact solution and calls for a minimum of maintenance. Moreover only a minimum of skill and training is required to operate and maintain the Controller Unit. The design is made in stain-less steel and can easily be implemented in production areas.

### Bidirectional and 2 Side Printing

With the Controller Unit bidirectional printing is supported. This enables you to print from opposite side using the same layout. The CU2 also supports double printing, which enables you to print same layout simultaneously in same printing direction on i.e. two sides of a box.

### Connection

The Controller Unit is equipped with ethernet and serial communication allowing full remote controlled variable printing. In combination with HSAJET® printheads it has the function of a stand-alone system

### Protection of Print Jobs

You are able to protect access to the CU2 by adding a password. With a password protection you minimize the risk of altering any print jobs by mistake. Additionally you are able to lock objects in the print layout to protect from unintended changes.



THE CU HAS AN INTEGRATED KEYBOARD & DISPLAY

### A compact Controller Unit handling up to 5½" print height:

- XAAR PIEZO INKJET TECHNOLOGY
- UP TO 140 MM PRINT HEIGHT
- COMPACT STAND-ALONE CONTROLLER
- JOBS PRE-STORED ON CF CARDS
- ACCESS PARAMETERS FROM KEYBOARD
- SERIAL OR ETHERNET CONNECTION
- PROMPT FUNCTIONS
- REQUIRES A MINIMUM OF SKILL AND TRAINING
- IDEAL FOR INTEGRATION ON E.G. WEB, INSERTERS, FOLDERS, COLLATORS ETC.

PRELIMINARY

# Technical Details

CONTROLLER UNIT CU2-XJ128 / CU2-XJ500

Features	XJ128	XJ500
Text printing	yes	yes
Max number of text fields	100	100
Text length (characters)	254	254
Logo printing	yes	yes
Counter printing	yes	yes
Barcode printing	yes	yes
Max number of barcodes	10	10
Time & Date printing	yes	yes
Multiple Fonts	yes	yes
Message creation (prompt)	yes	yes
<b>Performance</b>		
Max number of messages	100	100
Max message length (mm)	2000	2000
Print height per engine (mm)	17.5	70
Max print height (mm)	140	140
Print speed (m/min)	43	34
Drop size (pL)	70	80
Max resolution (dpi)	185	180
Memory capacity (Mb)	8	8
Ink firing frequency (kHz)	5.5	4.0
Max Controllable heads	8 x XJ128	2 x XJ500
<b>Printing Orientation</b>		
Side	yes	yes
Vertically/down	yes	yes
<b>Interface</b>		
RS232	yes	yes
Ethernet	yes	yes

Dist. to print nozzle

**Printing capability:**

Printing technology: Piezo Drop on Demand  
Distance to surface: 0.5 - 3.0 mm

**Interface:**

CF card, I/O connector  
Serial / Ethernet  
Product sensor 5-24V  
Encoder input 5-24V

**Technical Data:**

Power supply: Built-in switch mode  
100 - 240 VAC  
Dim (WxLxH): 155 x 210 x 90 mm  
Weight: 1.4 kg  
CE compliant

**Accessories:**

- COMPACT FLASH CARD
- READER/WRITER FOR CF CARD
- SENSOR AND ENCODER
- BRIDGES AND BRACKETS



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