

HSAJET-SA



Piezo inkjet technology and inks

Compact Solution

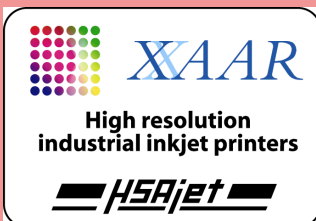
As the name implies, the HSAjet SA printing solution can “stand alone” in the production area as all components are integrated in the solution. Furthermore, the HSAjet SA enables serial input. The HSAjet SA is a compact solution that demands a minimum amount of space in the production area, and can easily be managed by operators. The HSAjet SA prints text, logos, counters, barcodes, time, dates, and has a multiple number of fonts available. The maximum number of messages to be created is 100, and with a length of 254 characters and enables a total print height of 72 mm. The HSAjet SA has a design of stainless steel, and can easily be implemented in production areas.

Advanced Technology

The HSAjet SA controls Xaar printheads and is based on the piezo inkjet technology. Piezo inkjet represents a versatile technology able to print on a wide variety of surfaces with a broad selection of ink.

Consequently, the HSAjet SA also enables printing on almost any surface such as cardboard, paper, wood, plastic, metal, and glass. Piezo inkjet technologies use a ceramic material that deforms when an electric impulse is applied to it. This deformation is used in order to eject ink from each of the print head’s ink nozzles. The resolution range for the HSAjet SA is 180—185 dpi.

HSAjet-SA is a high resolution stand alone printer with integrated ink supply, product sensor, keyboard, and display. You can get the printhead connection with umbilical or compact. The HSAjet SA is easy to operate with simple user menus, requires a minimum amount of staff training, and is a very cost effective printing solution.



Tomorrows Technology Today

HSAJET SA

		HSAjet SA XJ128 - XJ128 +	HSAjet SA XJ126	HSAjet SA XJ500
Features				
text printing (Windows true type fonts)		yes	yes	yes
max. number of text-fields		100	100	100
text length (characters)		255	255	255
logo printing		yes	yes	yes
counter printing		yes	yes	yes
barcode printing		yes	yes	yes
max. number of barcodes		10	10	10
time & date printing		yes	yes	yes
multiple fonts		yes	yes	yes
message creation from template (prompt)		yes	yes	yes
Performance				
max. number of messages		100	100	100
max. message length (mm)		2000	2000	2000
max. print height (mm)		70	70	72
print speed (m/min)		35	43	34
drop size (pL)		80	80	80
max. resolution (dpi)		185	185	180
memory capacity (mb)		8	8	8
ink firing frequency (kHz)		4.25 - 5.50	5.00	4.00 - 8.00
max. controllable print heads		4 x XJ128	4 x XJ126	1 x XJ500
Technology				
piezo		x	x	x
Printing Orientation				
side-to-side		yes	yes	yes
from-up-to-down		yes	yes	yes
distance to print surface, max.		3 mm	3 mm	3 mm
distance to print surface, min.		0.5 mm	0.5 mm	0.5 mm
Screen Interface				
integrated keyboard display		yes	yes	yes
Interface				
RS232		yes	yes	yes
RS485		optional	optional	optional
Inputs/Outputs				
product sensor ("-" or "+" edge)		1	1	1
Encoder (5V or 24V, quadrature or position)		1	1	1
RS232, Integrated keyboard		yes	yes	yes
Mechanical Dimensions				
L x W x H - controller (mm)		200 x 140 x 125	200 x 140 x 125	200 x 140 x 125
mechanical support / brackets		yes	yes	yes
Power Supply				
external / internal voltage (V)		110 / 230	110 / 230	110 / 230
frequency (Hz)		50 / 60	50 / 60	50 / 60
Environmental Conditions				
operating temperature range (°C)		10 - 40	10 - 40	10 - 40
humidity (%)		10 - 90 non-condensing	10 - 90 non-condensing	10 - 90 non-condensing
IP approval (rating)		54	54	54
CE compliant		yes	yes	yes
Warranty				
equipment service (minimum)		1 year 5 years	1 year 5 years	1 year 5 years

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