

# MATTHEWS

## I-Mark™ SX32e

### The flexible and expandable marking system.

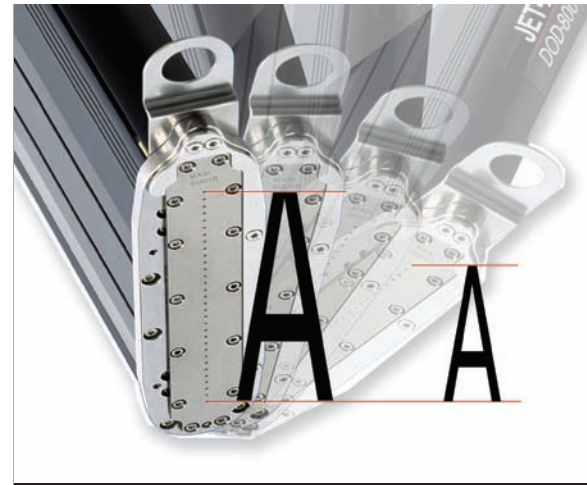
A new generation of user friendly ink-jet printers

- Icon based user interface
- Fast and easy to learn and operate
- Print on porous or non-porous surfaces
- Choice of many printheads operated from the same control module

The I-Mark SX 32e is a powerful and flexible solution for all industrial environments. Due to the wide selection of print heads available for this system, it is possible to print anything from 0.094" text to 5" high-resolution graphics and the IP42 classification guarantees safe usage in any industrial environment, regardless of dust or vibrations.

**Simple:** This system is not only easy to install and start up, it is also very simple to use as it features an icon-based menu structure which gives a good overview of the different options. This, in combination with a selection of "hot keys" on the keyboard, minimizes the risk of errors made by the user.

**Expandable** The I-Mark SX 32e can be used with any 7, 16 or 32 valve print head from our Standard, or 8000 series. Installing the system requires very little space. Several print heads can be operated from the same work station, and the mounting of the control unit is flexible. The system also enables double-sided marking.



## CONTROL UNIT

- Control unit with built-in keyboard. Serial port RS-232 for connection to PC. IP class 42.

## MESSAGE STORAGE:

- 200 messages, 500 text strings within all messages. 4000 column capacity. 3 user text (quick access for editing), time codes, clocks, bar codes and graphics.

## ELECTRICAL:

- 90-264 V, 50-60 Hz auto-adjusting.

## DIMENSIONS AND WEIGHT (LXWXH):

- 11.2" x 9.8" x 4.9" (286 x 251 x 126 mm), 5.5 lbs (2.5 kg)

## DISPLAY:

- ¼ VGA 128 x 64 pixel graphical display and keyboard, monochrome with back-lit display

## OPERATING ENVIRONMENT:

- Temperature: 32-113° F (0-45° C) Humidity: 10-95% non-condensing

## COMMUNICATIONS

### SERIAL INTERFACE:

- RS232 Code: 7 or 8 bit with 1 or 2 stopbits

### BAUD RATE:

- 1,200-19,200, Xon/Xoff, CTS/RTS

## INK OPTIONS

- Fast dry, pigmented, dye and water-based inks for porous and non-porous surfaces.
- Black, blue, green, red, yellow, white, brown, purple, orange, and many more.
- 1/4 USG (1 liter), 1 USG (4 liters), 5 USG (19 liters), 55 USG (208 liters)

## LANGUAGES

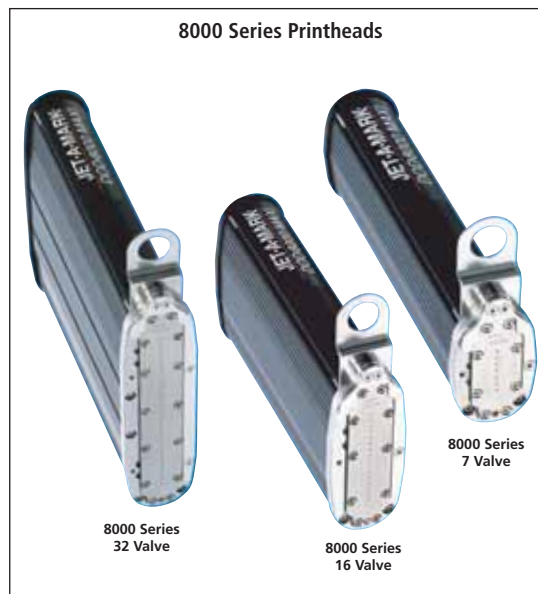
- English, Swedish, Spanish, German, Italian, Dutch, Czech, Polish, Turkish, French, Romanian, Russian\*, Japanese\*, Chinese\*, Cyrillic\*, Greek\*, Arabic\*

\* Unique Overlay – language specific

	PRINTHEAD TYPE	MINIMUM CHAR. SIZE	MAXIMUM CHAR. SIZE	MAXIMUM SPEED	MAXIMUM PRINT DISTANCE
STANDARD VALVE	28 mm	1/2" (12.7 mm)	1 ¼" (31.75 mm)	400 fpm (2.03 mps)	1/4" (6.4 mm)
	64 mm		2 ½" (63.5 mm)		
	14 mm	1/4" (6.35 mm)	5/8" (15.875 mm)	200 fpm (1.01 mps)	1" (25 mm)
	32 mm		1 ¼" (31.75 mm)		
8000 MAXI	8000 7-Valve	1/4" (6.35 mm)	1 ¼" (31.75 mm)	400 fpm (2.03 mps)	1" (25 mm)
	8000 16-Valve		2 ½" (63.5 mm)		
	8000 32-Valve		5" (127 mm)		
8000 MIDI	8000 7-Valve	3/16" (4.76 mm)	1 ¼" (31.75 mm)	400 fpm (2.03 mps)	1" (25 mm)
	8000 16-Valve		2 ½" (63.5 mm)		
	8000 32-Valve		5" (127 mm)		
8000 MINI	8000 7-Valve	3/32" (2.38 mm)	1 ¼" (31.75 mm)	400 fpm (2.03 mps)	1" (25 mm)
	8000 16-Valve		2 ½" (63.5 mm)		
	8000 32-Valve		5" (127 mm)		

### Print Formats (built-in)

Graphics, variable text, bold, light, inverse, standard Julian date formats, real-time clock, automatic daylight savings time, delay function, repeat print, up/down counters, alphanumeric and shift codes, upper and lower case characters, industrial bar codes.



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