

## DATASHEET

# Jet-A-Mark Inking Systems for Drop-on-Demand Inkjet

Versatile inking systems for multiple inkjet marking applications.

Matthews offers a wide variety of porous and non-porous inks, small and large capacity systems, with fast startup, ink color changes, rugged construction and reliable performance.

### Low Pressure Module (3–5 psi) Standard Series

#### Inking Solutions for Standard DOD Inkjet Printheads

- Two liter capacity; ink and cleaner
- Will drive up to 64 valves
- Fixed pressure



Low Pressure Module

7.80"L x 7.64"W x 9.84"H (198 x 194 x 250 mm)

### High Pressure Module & Advanced (3–20 psi) Standard & 8000+ Series

#### Inking Solutions for Standard & 8000+ Series DOD Inkjet Printheads

- Two liter capacity, ink and cleaner
- Will drive up to 64 valves
- Advanced auto-ranging and auto-frequency
- Optional Low level ink warning indicator, with optional low level ink warning beacon
- Output for low level warning



High Pressure Module

11.30"L x 9.84"W x 16.54"H (287 x 250 x 420 mm)

### LCIS (3–20 psi)

#### Large Capacity Ink System

- Low level ink warning signal
- Ink replacement while printers are in operation
- Safer operation, no pressurized containers
- 275 gallon totes



High Pressure Advanced

8"L x 12"W x 8.6"H (203.2 x 304.8 x 218.44 mm)



LCIS

8"L x 12"W x 8.6"H (203.2 x 304.8 x 218.44 mm)

**Flow-Jet**

**Pigmented Ink Supply System**

- Designed to provide high contrast, permanent marks required in the plastics, rubber, steel, wood and building products industries
- Unique re-circulating “through-the-head” system assures reliability with minimal printhead maintenance
- Special diverter system permits continuous production eliminating the need to stop during ink changeovers
- Will drive up to four printheads



Cabinet: 6”L x 13”W x 23”H (152 x 330 x 521 mm)  
35.5” (851 mm) high with a warning light

**Fluid Pump Systems (FPS)**

- Up to 4 printheads are supported by a single FPS
- No factory air is needed, eliminating the problem of oil and water system contamination
- Low level ink alarm provides warning
- Inks are refillable without halting production (Advanced model only. Up to 275 gallon totes. )



15.39”L x 10.82”W x 14.17”H (391 x 275 x 360 mm)

PRODUCT NAME	DESCRIPTION	PRINthead	SUBSTRATE					DRY TIME	
			METAL	PLASTIC	RUBBER	POROUS	OTHER	FAST	MODERATE
JAM 1000 SERIES	General purpose porous	Standard				*			*
JAM 2000 SERIES	Non-porous	Standard		*		*			*
JAM 3000 SERIES (WBII)	Water base / no VOC / porous	Standard				*			*
JAM 4000 SERIES (FD)	PVC plastic	Standard		*		*		*	*
JAM 5000 SERIES (FD)	High flash point inks	Standard				*			*
JAM 6000 SERIES PIGMENTED (FD)	Non-porous MEK pigmented	Standard	*	*	*		*	*	*
JAM 7000 SERIES (QD)	Ketone free / non-porous / fast dry / reodorized	Standard	*	*	*		*	*	*
JAM 9000 SERIES	JAWS Ink / Water base	Standard				*			*
JAM BLACK SERIES ALCOHOL INK	Value Line ink / porous applications	Standard				*			*
JAM BLACK SERIES WATER BASED	Value Line ink / porous applications	All				*			*
SCP-300 SERIES INK	Water base, porous	All				*			*
SCP-400 SERIES INK	Non-porous alcohol base	All	*	*	*		*		*
SCP-700 SERIES INK (FD)	Non-porous MEK base	All	*	*	*		*	*	*
SCP-800 SERIES PIGMENTED	Non-porous MEK base*	All	*	*	*		*	*	*
SCP-900 SERIES	No-VOC very fast dry - acetone	All	*	*	*		*	*	*
DPI-150 SERIES (SB)	Drywall low contrast	All				*			*
DPI-200 SERIES FAST DRY (MEK)	Non-porous fast dry	All	*	*	*		*	*	*
DPI-400 SERIES QUICK DRY (EA)	Non-porous quick dry	All	*	*	*		*	*	*
	<b>CAPACITY</b>		<b># VALVES</b>					<b>PRESSURE</b>	
HIGH PRESSURE MODULE	1 liter (.26 gallon)		64					Internal pump	
LOW PRESSURE MODULE	1 liter (.26 gallon)		64					Internal pump	
LCIS	4 liter to 208.2 liter (1.06 gallon - 55 gallon); 1,040 liter (275 gallon)		128					Air pump	
FLOW-JET	4 liter to 18.93 liter (1.06 gallon - 5 gallon)		128					Internal pump	
FPS	1 Liter to 208.2 liters		128					Internal pump	

Blended Formulations: Rubber Curable, Non-Transferring, Incidental Food Contact, Water Removable, Alkali Removable, UV Fastness, Security/Traceable, UV Readable, Fluorescent Dye, Non-Settling Pigments, Oil Penetrating