

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

## 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

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

#### *Inking Solutions for Standard & 8000+ Series DOD Ink-Jet Printheads*

- Two liter capacity; ink and cleaner
- Will drive up to 64 valves • Optional low level ink warning (High Pressure Module only)

### High Pressure Advanced (3-20 psi)

#### *Inking Solutions for Standard & 8000+ Series DOD Ink-Jet Printheads*

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

### 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
- 55 gallon container capacity
- Will drive up to 128 valves

**Low Pressure Module**  
7.80"L x 7.64"W x 9.84"H  
(198 x 194 x 250 mm)



**High Pressure Module**  
11.30"L x 9.84"W x 16.54"H  
(287 x 250 x 420 mm)



**High Pressure Advanced**  
15.84"L x 12.51"W x 8.4"H  
(402 x 317 x 213 mm)



**High Pressure Advanced**  
8"L x 12"W x 8.6"H  
(203.2 x 304.8 x 218.44 mm)



## Drop-on-Demand

### 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" (85 1mm) high with a warning light



### Fluid Pump Systems (F.P.S)

- 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



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	Standard				•			•
SCP-300 SERIES INK	Water base, porous	8000+				•			•
SCP-600 SERIES INK	Non-porous alcohol base	8000+	•	•	•		•		•
SCP-700 SERIES INK (FD)	Non-porous MEK base	8000+	•	•	•		•	•	
SCP-800 SERIES PIGMENTED	Non-porous MEK base*	8000+	•	•	•		•	•	
SCP-900 SERIES	No-VOC very fast dry - acetone	8000+	•	•	•		•	•	
DPI-150 SERIES (SB)	Drywall low contrast	8000+				•			•
DPI-200 SERIES FAST DRY (MEK)	Non-porous fast dry	8000+	•	•	•		•	•	
DPI-400 SERIES QUICK DRY (EA)	Non-porous quick dry	8000+	•	•	•		•	•	
PX-170 BLACK SB INK	General purpose porous								+
PX-370A BLACK INK	HAPS free / water base / porous								+
PX-470 BLACK INK (FD)	Fast dry for packaging applications								+
PX-670 BLACK INK	Non-porous for packaging applications								+
	*requires some maintenance								
	<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)		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