

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-600 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	•	•	•			•	•
	CAPACITY		# VALVES				PRESSURE		
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