



### JMD 'S INK SELECTION GUIDE

APPLICATIONS	DRY TIME	PHOTOGRAPH	PLASTIC	POLYETHENE	PVC	RUBBER	STYRENE	VINYL	WOOD (RAW)	WOOD (COATED)
ROLLER CODER	F	804, 826	824, 876, 707, 735, 846	881, 824, 844, 876, 735, 727, 846	881, 824, 844, 826, 713	814, 713, 761	802, 846, 713	814, 731	844, 707, 719, 727	881, 707, 727
	M	859,	812, 826, 832, 874, 719	812, 826, 874, 874, 731, 719	812, 818, 832, 874, 719, 731	812	806, 818, 761	848, 761	812, 701	859, 731
	S	891	891, 810	891	891, 860	810	860	828	810	891
FLEXOGRAPHIC CODER	F	812	812, 814, 824, 887	812, 814, 824, 844, 887	844	814	846	868	844	844
	M	810	808, 810	810, 852, 856, 878	812, 832	812	818	832	812	812
	S	860	860	860	880, 860	810, 836	860	860	810	810
LABEL PRINTER	F							868, 872		
RECIPROCATING CODER	F	820	881, 707, 735, 846, 887	881, 735, 727, 846, 887	818, 713	713, 761	802, 713	868, 731	854, 707, 727, 719	826, 727, 70
	M	859	819, 719, 727,	810, 860, 719	860, 719, 731		810, 761	828	891, 701	859, 731

APPLICATIONS	DRY TIME	ALUMINIUM FOIL	CELLOPHANE	CLOTH	CORRUGATED KRAFT	LEATHER	METAL	MYLAR	PAPER	PAPER (VARNISH)
ROLLER CODER	F	881, 719, 707, 731	820, 719, 731, 846,	844	816, 854, 767, 707,	832	881, 820, 824, 834, 707, 846	826	816, 854, 707, 701	826, 842
	M	859, 866, 755	859, 856	806, 707	759, 701	848	859, 819, 866, 719, 727, 731, 755	859, 819	759, 767	859, 819
	S	891	891	808	891		891, 858	891	891	891
FLEXOGRAPHIC CODER	F	818, 846, 887	812, 844	818	864	868	812, 814, 818, 887	814, 887	854	812
	M	832	810	832	870	832	832	810		810
	S	810, 822	860	810		810	810, 822	860		860
LABEL PRINTER	F	826		Indelible	854			826	854	842
RECIPROCATING CODER	F	820, 719, 707, 887	820, 719, 707	812, 707	816, 767, 707	868	881, 824, 707, 846, 887	820, 887	854, 862, 707, 701,	Cellophane
	M	806, 838	806, 838	830	891, 759, 701		859, 819, 840	819	767	819

Dry Times:  
 F = 15 seconds or less  
 M = 15-45 seconds  
 S = over 45 seconds

#### MORE INFORMATION ON JMD INKS

JMD'S INKS ARE APPLICATION FORMULATED FOR RELIABILITY

There is no such thing as truly universal and all- purpose ink. Everyone knows about porous and non-porous surface ink differences, but there are many other factors to consider. First, we outline why we offer three different series of inks with over 100 different formulations-each available in six colors.



## KNOWING YOUR INKS

Inks can be dye or pigmented formulations and can be water, alcohol or petroleum based. In addition, there are additives to effect such factors as flow rate drying time, viscosity, light stability, etc. To have the best performance for your application, you need to select the right ink:

### 1. MATERIAL BEING MARKED

Porous or non-porous? Surface treatment? Soluble or insoluble?

### 2. HOW IS THE CODE APPLIED

contact or non-contact? Continuous or intermittent imprinting? Dyes and pigmented inks work well for contact printing. Paste inks are for offset printing. Water based inks work well for ink-jet and flexographics.

### 3. THE MARKING ENVIRONMENT

Temperature, humidity and distance. Warm and dry conditions speed up drying time. The shorter the distance between marking station and stacking location (marked surface touching another surface), the faster the ink must dry.

### 4. MARKING PURPOSE

End use of the marked product. Any special environmental conditions? Must the mark resist fade, solvents, laundry soaps auto calving, high or low temperature printing, wet surfaces? Subject to FDA requirements? You no longer have to sacrifice your code quality for expediency at false economy. There is a JMD solution to suit the need.

## ***JMD STANDARD SERIES INKS***

**SERIES 700:** pigments as well as dye based inks. Designed to be used on specific applications including absorbent surfaces. Some are fast drying, some are FDA approved and some are more opaque than others. All are designed as easy to use general purpose inks covering a range of materials. 701 and 767 are specially designed dye based inks for absorbent surface application only

**SERIES 800:** Primarily designed for use on absorbent surfaces with many special purpose inks for tough applications such as soap resistant, laundry and dry cleaning resistant, alcohol and water resistant, pasteurization and auto clave resistant.

**SERIES 900:** Paste inks designed for offset Flexographic printing. Gravure and lithographic inks.



### JMD D SERIES 700 INKS

<b>Ink</b>	<b>Flash Point</b>	<b>Application/comments</b>
<b>D-701</b>	<b>240F</b>	<b>Absorbent surfaces; kraft and corrugated</b>
<b>D-707</b>	<b>74F</b>	<b>Absorbent and non-absorbent; coated board and foils – More opaque than 701.</b>
<b>D-713</b>	<b>66F</b>	<b>Non-absorbent; rubber, TPE, TPO sheet.</b>
<b>D-719</b>	<b>74F</b>	<b>Non-absorbent; films, metal, glass, general purpose</b>
<b>D-723</b>	<b>101F</b>	<b>FDA approved</b>
<b>D-725</b>	<b>116F</b>	<b>Non-absorbent; not for metals, excellent for frozen foods, Coated and wax finishes.</b>
<b>D-727</b>	<b>74F</b>	<b>Non-Absorbent, water; water resistant, black FDA Approved.</b>
<b>D-731</b>	<b>93F</b>	<b>Non-absorbent; films, metals, glossy surfaces, best general purpose</b>
<b>D-735</b>	<b>85F</b>	<b>Plastic films, 5 second drying.</b>
<b>D-749</b>	<b>85F</b>	<b>Non-absorbent; high speed can lines. Prints through Moisture, water, milk, breweries, metal, plastics</b>
<b>D-751</b>	<b>91F</b>	<b>Non-absorbent FDA approved, fast air dry-edible.</b>
<b>D-755</b>	<b>104F</b>	<b>Non-absorbent; waterproof, coated board, foil, plastics Metal.</b>
<b>D-759</b>	<b>200F</b>	<b>Absorbent materials, corrugated</b>
<b>D-761</b>	<b>73F</b>	<b>Non-absorbent, heavy pigments, rubber, sheet and stock.</b>
<b>D-767</b>	<b>200F</b>	<b>Absorbent only; kraft, corrugated, brown colors are pigmented.</b>
<b>D-786</b>	<b>55F</b>	<b>Hydrochromic; yellow to blue on contact with water</b>

### JMD D SERIES 800 INKS

<b>Ink #</b>	<b>Flash Point</b>	<b>Applications/Comments</b>
<b>D-803</b>	<b>88F</b>	<b>Non-absorbent; laundry, dry cleaning, resistant, pasteurization-tolerant, metal, plastics, coated foils.</b>
<b>D-809</b>	<b>134F</b>	<b>Non-absorbent; alcohol and soap resistant</b>
<b>D-812</b>	<b>88F</b>	<b>Laundry resistant on vinyl.</b>



<b>D-813</b>	<b>88F</b>	<b>Non-absorbent; bright colors, good adhesion on glass and rubber</b>
		<b>Prints through oils and bleach</b>
<b>D-815</b>	<b>88F</b>	<b>Laundry resistant on polyester</b>
<b>D-816</b>	<b>88F</b>	<b>Dry cleaning applications</b>
<b>D-819</b>	<b>115F</b>	<b>Non-absorbent; prints through moisture, aluminum, Foil, soap resistant.</b>
<b>D-823</b>	<b>56F</b>	<b>UV invisible; body adornment and anti-counterfeiting</b>
<b>D-825</b>	<b>88F</b>	<b>Non-absorbent; plastics including mylar. Black poor.</b>
<b>D-831</b>	<b>90F</b>	<b>Non-absorbent; coated foils, metal, migrates through vinyl, black poor at slow speeds.</b>
<b>D-832</b>	<b>91F</b>	<b>Color change black to blue when moist.</b>
<b>D-842</b>		<b>Alcohol resistant;faster drying than D-864</b>
<b>D-846</b>	<b>60F</b>	<b>Non-absorbent; instant dry; cellophane, wax paper; USDA approved for food packaging</b>
<b>D-860</b>	<b>88F</b>	<b>Dry cleaning applications.</b>
<b>D-861</b>	<b>153F</b>	<b>Non-absorbent; alcohol resistant</b>
<b>D-864</b>		<b>Alcohol resistant; medical applications.</b>
<b>D-867</b>	<b>153F</b>	<b>Non-absorbent alcohol resistant</b>
<b>D-871</b>		<b>Non-absorbent; soap resistant, imprint through wax lacquer -black only.</b>
<b>D-873</b>	<b>88F</b>	<b>Non-absorbent; excellent opaque, excellent on glass metal</b>
<b>D-874</b>		<b>Caustic removal for plastics recycling</b>
<b>D-878</b>		<b>Color changing ink when moist; black to red</b>
<b>D-879</b>		<b>Soap resistant.</b>
<b>D-887</b>	<b>88F</b>	<b>Plastic; polyethylene; most non-porous surfaces</b>

<b>JMD D SERIES PASTE 900 INKS</b>			
<b>Ink #</b>	<b>Dye (D) or Pigment (P)</b>	<b>Flash Point</b>	<b>Application /Comment</b>
D-901	P	240F	Flexographic and offset applications
D-902	P	240F	Flexographic and offset applications
D-903	P	240F	Flexographic and offset applications
D-904	P	240F	Flexographic and offset applications
D-909	P	240F	Flexographic and offset applications
D-912	P	240F	Flexographic and offset applications

**D-920 through D-929      Gravure inks; 5 gal minimum order**  
**D-930 through D-939      Lithographic inks**