



viscosmo

A Digital Printing Ink Solution

LARGE FORMAT INK SOLUTION PROVIDER!

FOR TEXTILE PRINTING

FOR UV PRINTING

FOR SOLVENT PRINTING

FOR PHOTO PRINTING





Splash-Jet VCM-Subly

Piezo Dye sublimation ink For DX4/5/6/7 Universal type (Textile ink Series)



MADE IN KOREA

Splash-Jet DYE-Sublimation Ink

for smoothing ink firing from the head makes life of head longer and no head clogging due to intensive filter system & excellent chemical characteristic.
To be used both Direct printing & Heat transfer for dye sublimation paper printing for the hard substrates and textile use.



Product Features

- Bright and intense colors allow to obtain a wide color gamut during the profiling phase
- Optical ink fluidity and printability through new type of Piezo heads
- Fast drying on substrates dedicated to transfer
- Very good fastness properties
- Very good release on paper and image definition after transfer

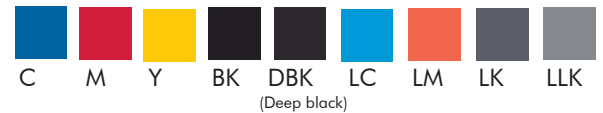
Compatible Printers for DX 4,5,6,7

- All piezo printers including desk-jet & large format.
- Mimaki : JV2/JV22/JV4/JV33/JV5 series
- Mutoh : Falcon RJ4100/RJ6100/RJ8000/VJ series
- Roland : Hi-Fi Jet Pro I FJ42/FJ52/FJ400/FJ500/FJ540/FJ500/FJ600/FJ740
- EPSON : Stylus Pro Series, Sure color Series

Technical Data

- In the interest of maximum shelf-life storage temperatures should be between 15~35 degree. If stored under these conditions the inks are expected to have a shelf-life of 12 months from date of manufacturer
- No direct light (store in dark)

Colors



Fastness Data

Colors	FASTNESS EN ISO		
	UV	WASH	PERSPIRATION
VCMSublyCYAN	5-6	4-5	4-5
VCMSublyMAGENTA	6-7	4-5	4-5
VCMSublyYELLOW	6-7	4-5	4-5
VCMSublyBLACK	5-6	4-5	4-5
VCMSublyLIGHT CYAN	5-6	4-5	4-5
VCMSublyLIGHT MAGENTA	6-7	4-5	4-5
VCMSublyLIGHT BLACK	5-6	4-5	4-5
VCMSublyLIGHT LIGHT BLACK	5-6	4-5	4-5



GLOBAL SIGN NETWORK

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Splash-Jet VCM-DTG

Piezo DIRECT TEXTILE GARMENT INK For DX4/5/6/7 Universal type



Splash-Jet DTG Ink

Specially developed for direct to garment or roll to roll digital printing on cotton or cotton rich blends for a wide variety of apparel and specialty application.

Suitable for ink-jet printing on wide format printers using piezo printing heads.

They provide superior productivity and quality for high speed commercial printers including Roland, Mimaki, Mutoh and Epson



MADE IN KOREA

Product Features

- Bright and intense colors allow to obtain a wide color gamut during the profiling phase
- Optical ink fluidity and printability through new type of Piezo heads
- Very good fastness properties

Compatible Printers for DX 4,5,6,7

- All piezo printers including desk-jet & large format.
- Mimaki : JV2/JV22/JV4/JV33/JV5 series
- Mutoh : Falcon RJ4100/RJ6100/RJ8000/VJ series
- Roland : Hi-Fi Jet Pro I FJ42/FJ52/FJ400/FJ500/FJ540/FJ600/FJ740
- EPSON : Stylus Pro Series, Sure color Series / Poly print DTG

Technical Data

- In the interest of maximum shelf-life storage temperatures should be between 15~35 degree. If stored under these conditions the inks are expected to have a shelf-life of 12 months from date of manufacturer
- No direct light (store in dark)

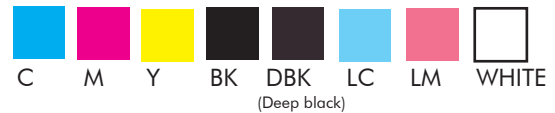


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Colors



Fastness Data

Colors	720*720 dpi, 100% ink coverage		
	UV	WASH	PERSPIRATION
VCM-DTG-C	4.5	4.5/5.0	4~5
VCM-DTG-M	4.5	4.5/5.0	4~5
VCM-DTG-Y	3.5	4.5/5.0	4~5
VCM-DTG-K	4.5	4.5/5.0	4~5
VCM-DTG-LC	4.5	4.5/5.0	4~5
VCM-DTG-LM	4.5	4.5/5.0	4~5
VCM-DTG-W	N/A	3.5/4.5	4~5

LIGHT FASTNESS : XENON LAMP 20HR (AATCCC16, ISO105)

WASH FASTNESS(COTTON) : AATCC 61 (ISO 105-C06)

Application

- Direct print onto pretreated or non-pretreated fabric (Textile or Garment)
- Printing on every fabric(Nylon,Polyester,Silk,Cotton,Viscose/Rayon,Linen,Wool)



Splash-Jet VCM-DTP



REACTIVE ink (Textile ink Series)

Splash-Jet
VCM-DTP
Textile Series

Descriptions

- This Reactive ink is for inkjet textile printing especially designed for high speed printing mode. Also the inks are formulated with the same base colorants used in conventional textile printing and meet industry standard performance.
- These inks can be applied on cellulosic and silk fabrics by Piezo technology such as Mimaki TX/TX3, Monalisa, D-gen Heracle, Qualijet HS digital textile printers

Available Colors

- Excellent and Brilliant wide color gamut



Fabric Compatibilities

- Cotton, Viscose/Rayon, Silk, Linen

Fastness Data

PRODUCT	UV	WATER	WASHING	PERSPIRATION	
				ACID	ALKALI
VCM-DTP-Y	5	5	5	5	5
VCM-DTP-M	4	4	5	4	4
VCM-DTP-LM	4	4	5	4	4
VCM-DTP-RED	4-5	4	5	4	4
VCM-DTP-L.RED	5	4	5	4	4
VCM-DTP-C	5	3-4	4	3-4	3-4
VCM-DTP-LC	4-5	4	4	4	4
VCM-DTP-BLUE	5	5	5	5	5
VCM-DTP-BK	4	5	5	5	5
VCM-DTP-LBK	4	5	5	4	5
VCM-DTP-OR	5	5	5	5	5
VCM-DTP-GR	5	5	5	5	5

- UV : ISO 105/B02 / WATER : ISO105/E01 / WASHING: ISO 105/C03 / PERSPIRATION: ISO 105/E04

Storage Condition

- In the interest of maximum shelf-life storage temperatures should be between 15~35 degree. If stored under these conditions the inks are expected to have a shelf-life of 12 months from date of manufacture.
- No direct light (store in dark)

Packings

- Packing - 1L / 20L Bulk

Splash-Jet VCM-UEP

UV-LED INK Series



Descriptions



- Application Printer: Roland Versa series & MIMAKI UJF-3042, Mimaki JFXplus and UJV-160
- Vivid color shade & wide color gamut

Available Colors

- Excellent and Brilliant wide color gamut



Main Features

- This ink is cured through radical reaction by the energy of UV-LED Lamp with printing on media
- Application for wide range of media
- Fast drying strong resistance against scratch and light

Storage Condition

- In the interest of maximum shelf-life storage temperatures should be between 15~35 degree. If stored under these conditions the inks are expected to have a shelf-life of 12 months from date of manufacture.
- No direct light (store in dark)

Packings

- Packing - 1L / 600ml compatible cartridge with UV chip

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Splash-Jet VCM-TWP / DSD

TWP - Textile Water Pigment ink For Flat-Bed Printer

DSD - Direct Solvent Dye ink for Flat-Bed Printer

Descriptions



- Application Printer: Epson R230/1290/R1800/R1900/R2400/R4800/R4880 4800/7800/7880
- Vivid color shade & wide color gamut

Available Colors

- Excellent and Brilliant wide color gamut
- C,M,Y,K + White + White (6colors)
- C,M,Y,K + White + White + White (7colors)
- C,M,Y,K + White + White + White + White (8colors)



Application of TWP & DSD

- FOR TWP INK
- Printing on substrates after pre-coating and then drying on heat press at 165C
- Application of white ink RIP program: Partner Rip
- FOR DSD INK
- Printing on substrates without Pre-coating (Direct printing)
- PVC, Acylic, Cystal, Tile

Main Features

- Bright and intense colors allow to obtain a wide color gamut during the profiling phase
- Optical ink fluidity and printability through new type of Piezo heads
- Fast drying on substrates dedicated to transfer
- Very good fastness properties
- Application : Textile, Cotton, T-Shirt

Storage Condition

- In the interest of maximum shelf-life storage temperatures should be between 15~35 degree. If stored under these conditions the inks are expected to have a shelf-life of 12 months from date of manufacture.
- No direct light (store in dark)

Packings

- Packing - 1L / 20L Bulk

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Splash-Jet VCM-ECO-M^{series}



Solvent-Based Digital printing ink for DX5 head

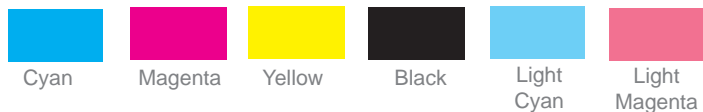
Features



- USAGE on MIMAKI JV33/CVJ30 /JV5 printer
- Brilliant color shades & Wide color gamut
- Compatible on DX5
- Support High speed printing
- 100% Purified inks free of any hazard materials (Low toxicity & Keton free)
- Odorless
- High durability & fastness up to 2 year outdoor condition thanks to High-quality pigment.
- High Scratch Resistance

Available Colors

- Excellent and Brilliant wide color gamut



UV fastness Testing result mostly Level 8

TEST CONDUCTED	TEST RESULT				
(01) COLORFASTNESS TO LIGHT (ISO 105 B02:2000, XENON-ARC-LAMP, BLUE SCALE) : GRADE	#1	#2	#3	#4	#5
UP TO GRADE 8	ABOVE8	ABOVE8	8	7	ABOVE8
	#6	#7	#8		
UP TO GRADE 8	ABOVE8	7	8		

Storage Condition

- In the interest of maximum shelf-life storage temperatures should be between 15~35 degree. If stored under these conditions the inks are expected to have a shelf-life of 12 months from date of manufacture.
- No direct light (store in dark)

Packings

- Packing - 1L / 20L Bulk / 440ml cartridge

Splash-Jet VCM-ECO-RM^{series}



Solvent-Based Digital printing ink for DX4 & DX5 head

Splash-Jet
VCM-ECO-RM
 Series

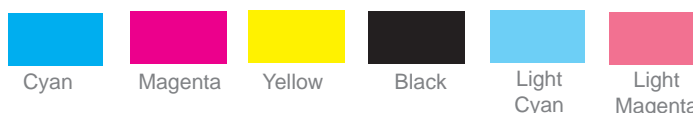
Features



- USAGE on Roland SP-VP / SC-SJ / XJ-XC series
Mutoh Rockhopper VJ series
- Brilliant color shades & Wide color gamut
- Compatible on DX4 & DX5 Piezo electric head
- Support High speed printing
- 100% Purified inks free of any hazard materials
(Low toxicity & Keton free)
- Odorless
- High durability & fastness up to 2 year outdoor condition
thanks to High-quality pigment.
- High Scratch Resistance

Available Colors

- Excellent and Brilliant wide color gamut



UV fastness Testing result mostly Level 8

TEST CONDUCTED	TEST RESULT				
(01) COLORFASTNESS TO LIGHT (ISO 105 B02:2000, XENON-ARC-LAMP, BLUE SCALE) : GRADE	#1	#2	#3	#4	#5
UP TO GRADE 8	ABOVE8	ABOVE8	8	7	ABOVE8
	#6	#7	#8		
UP TO GRADE 8	ABOVE8	7	8		

Storage Condition

- In the interest of maximum shelf-life storage temperatures should be between 15~35 degree. If stored under these conditions the inks are expected to have a shelf-life of 12 months from date of manufacture.
- No direct light (store in dark)

Packings

- Packing - 1L / 20L Bulk / 440ml cartridge

Splash-Jet

VCM-NPC(Nano-Photo-Chrome) series



Splash-Jet
VCM-NPC
Series

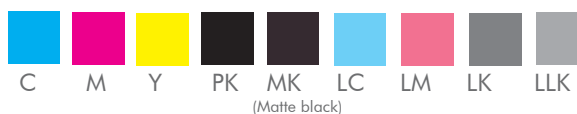
Features



- Applicable Plotter
Epson Stylus Pro 4000/4400/4800(K3)
/7400/7600/7800(K3)/9400/9600/9800(K3)/10600
Stylus Photo 2100/2200/R2400
- Photo Grade Image
- Brilliant color shades & Wide color gamut
- Fast Drying
- High Density of Colors
- High Durability
- Environmentally Benign
- Stable run-ability
- No nozzle clogging

Available Colors

- Excellent and Brilliant wide color gamut



Technical Data

Analysis Item	Specification	Test Method	
Viscosity		BROOKFIELD DV-II + Pro	
Surface Tension		KRUSS K9	
Particle size(nm)		Malvern Zetasizer Nano ZS	
pH		SCHOTT D-55122	
Color		L	Minolta CR-321
		a	
		b	
Conductivity		Conductometer	
Clogging		during > 2L printing, 3 cartridges	
Gas Chromatography		SHIMADZU GC-17A	
UV-Vis	OPTIZEN 2120UV Plus		
Shelf life	Two years after manufacturing		

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Packings

- Packing - 1L / 20L Bulk