

HONGSAM^{Plus}

HONGSAM[®]

PRODUCT CATALOGUE

HONGSAM

INK

ZHENGZHOU HONGSAM DIGITAL SCIENCE AND TECHNOLOGY CO., LTD.

Add: No. 10, Yulan Western Street, High Technology Industrial Zone, Zhengzhou, China
Phone: +86-371-6030 1017/1018 Email: dcotec@ink4you.com Website: www.hongsam.cn

Service Hotline
+86 130 1768 0578

Professional Inkjet Ink Manufacturer



Company Vision and Mission

Creating a new digital life for mankind

Strategic Goal

Becoming a world-renowned provider of digital inkjet printing solutions

Company Core Values

Science, Honesty, Environment-friendly, Transcendancy

Business Philosophy

HONGSAM Plus

Digital Hongsam ↘



Catalogue

Digital Textile Printing Ink	
JETTEXTILE® Textile Pigment Ink	/01/
Roll to Roll·DTG·DTF	
UltraWhite Textile Pigment Ink	/05/
ReactoMe® Reactive Ink	/07/
SILKMATE® High Light Fastness Acid Ink	/09/
HOTME® High Energy Disperse Ink	/11/
HOTME® Sublimation Ink	/13/
HOTME® High Light Fastness Disperse Ink	/15/
HONGSAM® High Light Fastness Cationic Ink	/16/
Digital Advertising and Image Printing Ink	
HONGSAM® Nano Water-based Pigment Ink	/17/
EverNew® High Light Fastness Dye Ink	/18/
Office Application Ink	/19/
Digital Printing Ink	
JETALL® Water-based Environment-friendly Latex Ink	/21/
HONGSAM® POD Digital Printing Ink	/23/
Inkjet Film/ Engraver Ink	/25/
Auxiliary Products	/27/
Rapid Colour Technology	/31/
Company Honors	/33/

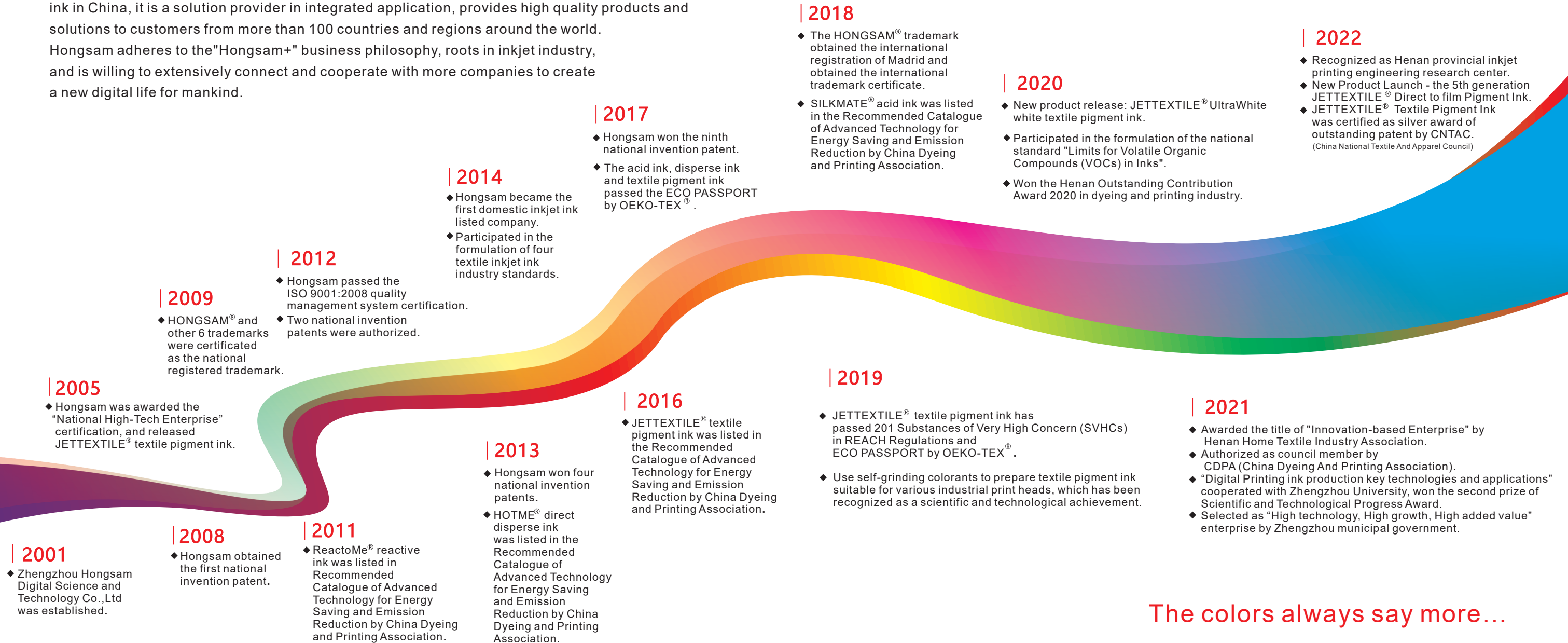
Company History

Zhengzhou Hongsam Digital Science and Technology Co.,Ltd. was established in 2001, focuses on research of inkjet ink for 22 years, dedicates to the development, production and sales of inkjet ink. At the same time, it provides complete digital printing solutions, can provide professional and efficient pre-sales, sales and after-sales service.

With independent intellectual property and brand, hongsam is the leading manufacturer of inkjet ink in China, it is a solution provider in integrated application, provides high quality products and solutions to customers from more than 100 countries and regions around the world.

Hongsam adheres to the "Hongsam+" business philosophy, roots in inkjet industry, and is willing to extensively connect and cooperate with more companies to create a new digital life for mankind.

HONGSAM®



The colors always say more...

JETEXTILE® Textile Pigment Ink

- Hongsam is the invention patent holder of textile pigment ink in China, with independent intellectual property right.
- Hongsam is the first drafting unit of the national industry standard for textile pigment ink.
- Hongsam is the patent holder of DTF® trademark.
- Hongsam is the inventor of Rapid Colour Technology.
- JETEXTILE® Textile Pigment Ink has passed the ECO PASSPORT by OEKO-TEX®.
- Textile pigment ink was successfully selected in "the 10th Batch of Advanced Technology Recommendations for Energy Saving and Emission Reduction by China Dyeing and Printing Association" in 2016.
- Vivid color performance, complete chromatography.
- Simple process, no need to steam and wash, saving energy.
- Good fluency, excellent continuous printing performance, safe to printhead.
- Special pre-treatment and post-treatment sprayed by printhead, forms a professional waterless digital printing solution with ultra-short process.



Suitable Printhead

Printhead	■K	■C	■M	■Y	■LC	■LM	■Gy	■R	■G	■B	■W	■VM	■V	■FM	■FY	■FG	■FOR
Epson DX5/I3200/S3200	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Fuji StarFire 1024	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Ricoh	√	√	√	√			√	√	√	√	√	√					
Seiko 508/1024	√	√	√	√	√	√	√	√	√	√	√	√					
KM 512/1024i	√	√	√	√	√	√					√	√	√				
Kyocera	√	√	√	√	√			√	√	√	√	√					

Application

Cotton, Polyester-cotton, Nylon-cotton, Linen, Polyester ammonia, Modal, Nylon taffeta

List of Textile Pigment Digital Printing Solution

	colors	Pre-treatment	Post-treatment	Process	Ink Code
Roll to Roll printing	■K ■C ■M ■Y ■R ■G ■B ■V ■LC ■LM ■VM ■Gy ■OR □Blank	PP-01 (1:9-19) PP-03 (1:9-19) 9#A (1:6-19)	PA-03 (1:9-19) PA-04 (1:9-19) PA-05 (1:100)	Pre-treatment ↓ Digital printing ↓ Color fixing ↓ (Post-treatment)	DC 813100 : 718 Textile pigment ink for Epson printhead DC 823600 : SP860 Textile pigment ink for Epson printhead DC 813200 : Special Textile pigment ink for Epson S3200-A3 DC 815200 : Special Textile pigment ink for Kyocera printhead DC 81(2)8000 : Textile pigment ink for Ricoh, StarFire, Seiko, KM printhead DC 838100 : SP860 Textile pigment ink for industrial printhead (Ricoh, StarFire, Seiko, KM)
DTG INK	■K ■C ■M ■Y ■R ■G ■B ■FOR ■LC ■LM ■OR ■FM ■FY ■FG	PP-05 (spray directly) PP-08 (Slurry scrapable or spray directly)	/	Pre-treatment ↓ Digital printing ↓ Color fixing ↓ (Post-treatment)	DC823100 : TP2000 DTG White ink for Epson printhead DC813500 : TP135 DTG ink for Epson printhead DC818100 : TP4000 DTG White ink for industrial printhead
DTF INK	■K ■C ■M ■Y ■R ■G ■B ■FOR ■LC ■LM ■OR ■FM ■FY ■FG	/	/	Printing PET film ↓ Pre-heating (optional) and powdering ↓ Drying ↓ PET film peeling ↓ Finished product	DC823511 : TP2607 white ink for Epson printhead DC823711 : TP2608 white ink for Epson printhead DC823811 : TP2609 white ink for Epson printhead DC823300 : SP860 color ink for Epson printhead
Function	/	For pre-treatment, improve color saturation and fastness	For post-treatment, improve hand feeling	Please try the sample to find out the best effect, before mass production	/



Ink for Roll to Roll printing

- High degree of color restoration, good reproducibility of printing: water-based ink with high color saturation, wide color gamut and bright colors.
- Selected high-quality raw materials: fine particles, ultra fine filtration, good fluency.
- The fastness of washing, sunlight and rubbing has reached the national standard.

Suitable Printhead

Epson, Seiko, Ricoh, KM, Kyocera, StarFire, Samba and other printheads.

DTG Ink

- Uniform dispersion, not easy to precipitate, stable quality, smooth printing.
- JETTEXTILE UltraWhite™ has the characteristics of supporting dry and wet printing.
- High coverage, whiteness, good stretch and ductility, and soft feel.

Suitable Printhead

Epson, Seiko, Ricoh, KM, Kyocera, StarFire, Samba and other printheads.



DTF INK

- Smooth printing with stable quality.
- Ultra whiteness and vivid color ink .
- Uniform dispersion and convenient application.
- Good leveling performance, avoid trachoma.

Suitable Printhead

Epson I3200/XP600/TX800

Color fastness

Standard	Type	K	C	M	Y
Washing fastness 60 °C (ISO 105-C10)	Discoloration	4-5	4-5	4-5	4-5
	Staining	5	5	5	5
Rubbing fastness (ISO 105-X12)	Dry rubbing fastness	4-5	4-5	4-5	4-5
	Wet rubbing fastness	3-4	3-4	3-4	4
Light fastness (ISO 105-B02)	／	7-8	7-8	7-8	7-8

JETEXTEXTILE® “UltraWhite” White Textile Ink

DTG (Direct to Garment) White Ink

- High whiteness with good coverage and well matched with color ink.
- More than 30% stretch resistance for formed film, and more resistant to scratching without cracking.
- Fine and smooth, no roughness, excellent performance of each fastness, and the standby performance can reach 4-5 level.
- Excellent print smoothness, safe for printhead.

TP 2000

EPSON printhead DTG white ink.

TP 4000

Industrial printhead DTG white ink.

Suitable Printhead

Epson, Seiko, Ricoh, KM, Kyocera, StarFire, Samba and other printheads.

DTF (Direct to Film) White Ink

- Ultra whiteness with high hiding power.
- Uniform dispersion with stable performance.
- Excellent suspension capacity, not easy to precipitate, good levelling property, avoid trachoma.
- Well matched with color inks and no ink penetration.

EPSON printhead white ink TP2607, TP2608, TP2609 (the 5th generation)

Suitable Printhead

Epson i3200/XP600/TX800

Printing Samples Display



HONGSAM®



Roll to roll printing
Direct to garment printing
Direct to film printing

EPSON/ SEIKO/
RICOH/ KM/ KYOCERA
/STARFIRE and other printheads

Textile Pigment Ink
One Ink All Fabrics

ReactoMe® Reactive Ink

- Hongsam is the patent holder of reactive ink in China with independent intellectual property right. Hongsam is the first drafting unit of the national industry standard for reactive ink.
- ReactoMe® reactive ink was selected in “the 5th Batch of Advanced Technology Recommendations for Energy Saving and Emission Reduction by China Dyeing and Printing Association” in 2011.
- ReactoMe® reactive ink has passed the ECO PASSPORT by OEKO-TEX®.
- High-density (HD) ink design, 10-50% higher than other brand inks, reducing costs.
- Complete chromatogram, colorful, wide color gamut, more than dozen color configurations available. A variety of reds available, especially Chinese red.
- High fixation rate, saving dyes and reducing sewage treatment pressure.
- Excellent fluency for high speed continuous printing.
- The pH value of the ink is stable, protect the printhead.
- Environment-friendly, does not contain any illegal chemical components. It meets environmental protection requirements for export to Europe and the United States.

Suitable Printhead

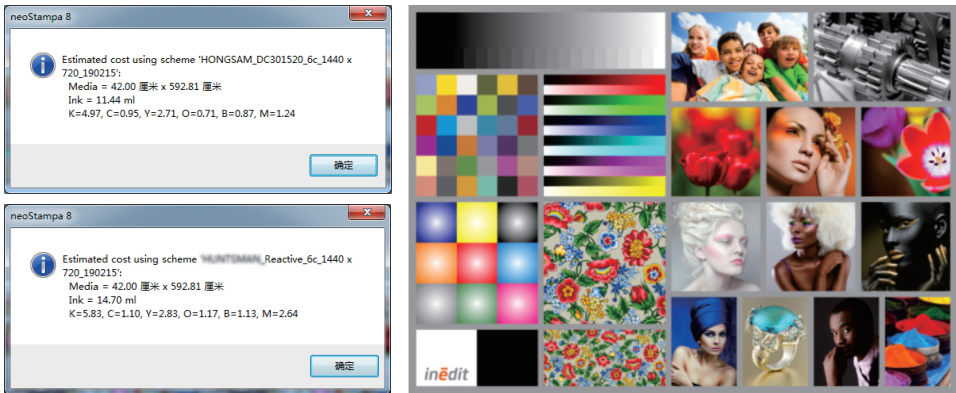
Printhead	■K	■VSK	■C	■M	■Y	■LC	■LM	■GY	■B	■OR	■R	■H-R	■VM
Epson DX5/I3200/S3200	✓		✓	✓	✓			✓	✓	✓	✓	✓	✓
Fuji StarFire 1024	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ricoh	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	
Seiko 508/1024	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	
KM 512/1024i	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	
Kyocera	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓



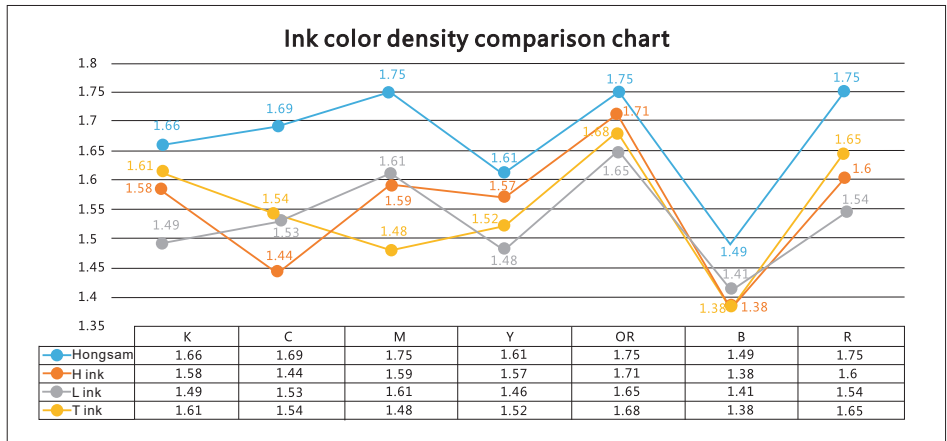
Application

Cotton, Linen, Viscose, Wool, Silk, Bamboo fiber

Ultra high concentration | ink saving 30-50%



Ink color density comparison chart



Four different red | offer more choices



High-density black also provides different color shades to meet customers' needs!

SILKMATE® High Light Fastness Acid Ink

- Hongsam is the patent holder of acid ink in China with independent intellectual property right.
- Hongsam is the drafting unit of national industry standards for acid ink.
- SILKMATE® acid ink has passed the ECO PASSPORT by OEKO-TEX®.
- SILKMATE® acid ink was selected as “the 12th Batch of Recommended Advanced Technology for Energy Saving and Emission Reduction by China Dyeing and Printing Association” in 2018.
- Complete chromatogram, bright color and high saturation.
- Providing high light fastness ink to meet the level 6 light fastness standard in 160 hours light.
- Providing fluorescent inks such as fluorescent magenta and fluorescent yellow.
- High fixing rate, less washing and floating color, reducing the pressure of sewage treatment.
- Unique ink formula, solve the problem of low cyan fixing rate and poor washing fastness.
- With high-purity acid dye, high fluency, suitable for industrial continuous printing.
- The ink with weakly alkaline does not damage the printhead, and the pH value stable to protect printhead.



Suitable Printhead

Printhead	■K	■C	■M	■Y	■HC	■HM	■LC	■LM	■GY	■R	■B	■OR	■FY	■FM
Epson DX5/I3200/S3200	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Fuji StarFire 1024	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ricoh	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓
Seiko 508/1024	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
KM 512/1024i	✓	✓	✓	✓	✓	✓	✓		✓			✓		
Kyocera	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓

Application

Silk, Wool, Nylon



HOTME® High Energy Disperse Ink

- Hongsam is the patent holder of disperse ink in China with independent intellectual property right.
- Hongsam is the drafting unit of national industry standard for disperse ink.
- Environment-friendly, passed the ECO PASSPORT by OEKO-TEX®.
- In 2013, HOTME® disperse ink was selected as the “Recommended Catalogue of the 7th Batch of Advanced Technology for Energy Saving and Emission Reduction by China Dyeing and Printing Association”.
- High energy disperse ink is designed for high sublimation fastness and high transfer fastness, it solves the problem of easy color transfer of disperse ink in the industry.
- Standards for marking the fastness of traditional disperse dye on screen printing, especially for industrial digital printing and shoe materials and bras that require secondary high temperature molding, it successfully overcomes the secondary contamination problem of sublimation ink.
- The printing effect is exquisite and natural, the layers are distinct, the color is bright and not blooming.
- Excellent compatibility, can be applied to different boards of digital printers.
- Excellent fluency and start up, safe for printhead, suitable for safety, stability and sustainability requirements of industrial mass production.



Suitable Printhead

Printhead	■K	■C	■M	■VM	■Y	■LC	■LVM	■Gy	■OR	■B	■R	■FOR	■FM	■FY
EpsonDX5/I3200/S3200	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Fuji StarFire 1024	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Ricoh	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Seiko508/1024	√	√	√	√	√	√	√	√	√	√	√	√	√	√
KM 512/1024i	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Kyocera	√	√	√	√	√	√	√	√	√	√	√	√	√	√



Application

Polyester, High-end clothing, Shoe



HOTME® Sublimation Ink Low EnergyDisperse Ink

- Hongsam is the patent holder of disperse ink in China with independent intellectual property right.
- Hongsam is the drafting unit of national industry standards for disperse ink.
- Environment-friendly, passed the ECO PASSPORT by OEKO-TEX® .
- In 2013, Hongsam disperse ink was selected as the “Recommended Catalogue of the 7th Batch of Advanced Technology for Energy Saving and Emission Reduction by China Dyeing and Printing Association”.
- Bright color, wide color gamut, can provide a variety of color configurations.
- High saturation, excellent color and detail reproducibility.
- Compatible with different types of printheads, and digital printers of different boards.
- Excellent fluency and start-up, safe for printhead.
- Provide (HD type) high-density ink, high transfer rate, darker color, saving 10-30% than ordinary ink.

Suitable Printhead

Printhead	■K	■C	■M	■Y	■LC	■LM	■LK	■LLK	■B	■OR	■FM	■FY
Epson DX5/I3200/S3200	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Fuji StarFire 1024	✓	✓	✓	✓	✓	✓	✓		✓	✓		
Ricoh	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
Seiko 508/1024	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
KM 512/1024i	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Kyocera	✓	✓	✓	✓	✓	✓		✓	✓	✓		

Application

Polyester, Clothing, Home textile, Carpet



HOTME® High Light Fastness Disperse Ink

- Hongsam is the patent holder of disperse ink in China with independent intellectual property right.
- Hongsam is the drafting unit of national industry standard for disperse ink.
- Environment-friendly, passed the ECO PASSPORT by OEKO-TEX® .
- In 2013, HOTME® disperse ink was selected as the "Recommended Catalogue of the 7th Batch of Advanced Technology for Energy Saving and Emission Reduction by China Dyeing and Printing Association".
- Specially developed high light fastness to meet the customers' professional needs in the fields of high light fastness.
- High saturation, excellent color and detail reproducibility.
- Washing, rubbing and light fastness meet or exceed national standards.
- High transfer rate, dark color, saving 10-30% than ordinary ink during printing.
- Excellent compatibility applied to digital printers of different boards.
- Fine particles with narrow diameter distribution, excellent fluency and start-up, safe for printhead, suitable for industrial continuous printing.

Suitable Printhead

Printhead	■K	■HC	■HM	■Y	■TB	■B
EpsonDX5/I3200/S3200	√	√	√	√	√	√
Fuji StarFire 1024	√	√	√	√	√	√
Ricoh	√	√	√	√		
Seiko508/1024	√	√	√	√	√	√
KM 512/1024i	√	√	√	√	√	√
Kyocera	√	√	√	√	√	



Color fastness

Standard	Type	K	C	M	Y
Washing fastness 60℃ (ISO 105-C10)	Discoloration	4-5	4-5	4-5	4-5
	Staining	4-5	4-5	5	4-5
Rubbing fastness (ISO 105-X12)	Dry rubbing fastness	4-5	4-5	4-5	4-5
	Wet rubbing fastness	4-5	4-5	4	4-5
Light fastness (ISO 105-B02)	—	7	7	7-8	7-8

Application

Polyester, Clothing, Carpet, Curtain, Tent...

HONGSAM® High Light Fastness Cationic Ink

- Bright color, high color intensity to save ink.
- High fixing rate, saving dyes and reducing sewage pressure.
- High light fastness meets customers' professional needs in the field of high light fastness.
- Stable formulations with high safety for printhead.
- Excellent fluency and suitable for industrial continuous printing.

Product Characteristics

Color available: ■C ■M ■Y ■K ■LC ■LM ■LK ■Gy

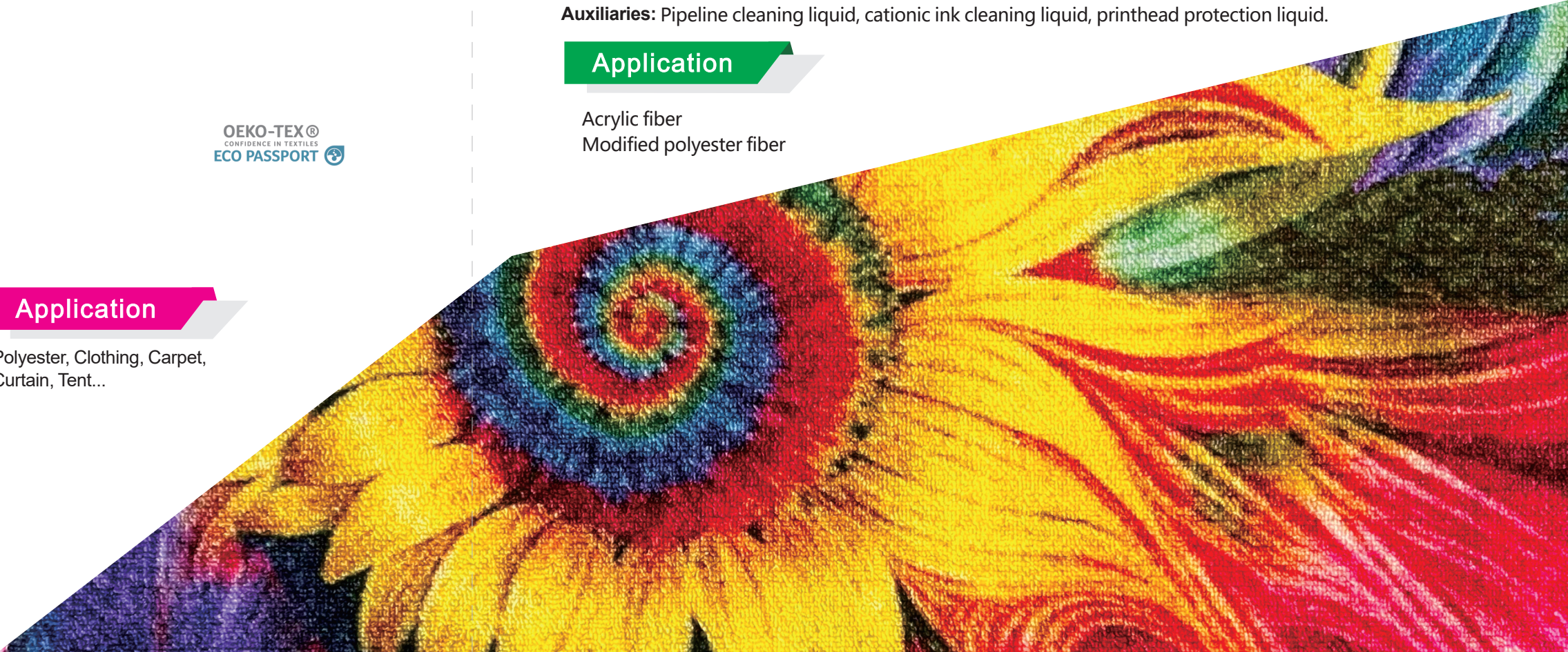
Suitable printhead: Suitable for Epson series models: DX5, DX6, DX7, i3200.

Suitable industrial printhead models: Epson S3200, StarFire 1024, and other models.

Auxiliaries: Pipeline cleaning liquid, cationic ink cleaning liquid, printhead protection liquid.

Application

Acrylic fiber
Modified polyester fiber



HONGSAM® Nano Water-based Pigment Ink

1. In 2003, the first generation of water-based nano pigment ink was launched, Hongsam is the first manufacturer of nano pigment ink in China.
2. 22 years of technology accumulation, extensive customer application experience, excellent reputation, top pigment brand.
3. Adopting top quality raw materials, stable ink system, protect the print head.
4. Nano-grade resin wrapping technology, excellent gloss and fastness.
5. Excellent fluency, excellent continuous printing performance, reducing ink waste.
6. Complete chromatogram, bright color, wide color gamut, comparable to original ink.
7. Excellent waterproof, anti-scratch, anti-light, UV resistance, no fading in 75-100 years indoors.
8. The printhead is safe and can be quickly restarted to the best state even after a long shutdown.

Application

Image output, Water-based coated cloth, Art reproduction, Advertising graphic, Waterproof photo paper, Silk cloth, Art paper, Canvas, Light box, Rice paper

Compared color density values

Color	C	M	Y	K	R	B
	maximum color density value reference					
Hongsam ink	1.497	1.339	1.420	1.477	1.293	1.141
Substitute ink	1.391	1.196	1.311	1.455	1.162	0.700
Original ink	1.359	1.291	1.239	1.456	1.141	0.978

Print on coated rice paper

Color	C	M	Y	K	R	B
	maximum color density value reference					
Hongsam ink	1.575	1.382	1.507	1.637	1.334	1.165
Substitute ink	1.528	1.366	1.444	1.597	1.241	0.764
Original ink	1.504	1.344	1.362	1.607	1.218	1.015

Print on art paper

Suitable Printhead

EPSON	C	M	Y	PK	MBK	LK	LLK	LC	LM	OR	G	DGY	GY	LGY		
CANON	C	M	Y	BK	MBK	GY	PGY	PC	PM	R	G	B	CO	FP	V	OR
HP	C	M	Y	K	MK	GY	LG	LC	LM	R	GN	B	E			

EverNew® High Light Fastness Dye Ink

1. Adopting raw materials, the ink drops are smooth and uniform, and the quality is stable.
2. EverNew® high light fastness water based dye ink greatly enhances light resistance level of red system, so that red and orange parts are more light-resistant and have wide color gamut.
3. Printing professional images can still maintain the relative balance after color decay, so that printed portrait is more three-dimensional, more lively.
4. High ink saturation, pure color, wide color gamut.
5. Strong tinting strength, bright and pure color, no crystalline substances after long time use.
6. Using high light fastness dyes and auxiliaries, chemical reaction of pigments is slow under illumination, prolonging light fastness of pattern, and super-strong UV resistance is 5-10 times than ordinary dye ink.
7. Good fluency, fine particles, protect the printhead, efficient and safe.
8. High image definition, the ink has suitable permeability, dryness and moisture retention, high sharpness of the edges of the image, and neat lines.

Application: High-end image output, Advertising graphic, OA office, etc.

Light resistance compare



Note: All the above samples were carried out under the same test conditions (irradiated in a 60 °C uvc wave UV light box), and all were tested using the same scanner.

Suitable Printhead

EPSON	C	M	Y	PK	LK	LLK	LC	LM	OR	G	DGY	GY	LGY
CANON	C	M	Y	BK	MBK	GY	PGY	PC	PM	R	G	B	CO
HP	C	M	Y	K	MK	GY	LG	LC	LM	R	GN	B	E

HONGSAM® OA Office Series

High Light Fastness Dye Ink for Desktop

Color available: C M Y K LC LM

- High light fastness dye ink for desktop.
- Bright color and natural transition.
- High light fastness and durable.
- Three-stage filter printing smoothly, no splash, no oblique spray.
- Suitable permeability and dryness, moisture, high image edge sharpness, neat lines.



Hongsam Office Special Pigment Ink

Color available: C M Y K LC LM

- High light fastness, long-term storage is not easy to fade.
- Waterproof and moisture-proof preservation.
- Moisturizing, not easy to dry.
- Good raw materials, bright colors.



Special Pigment ink for Commercial Inkjet Text Printing

Color available: C M Y K

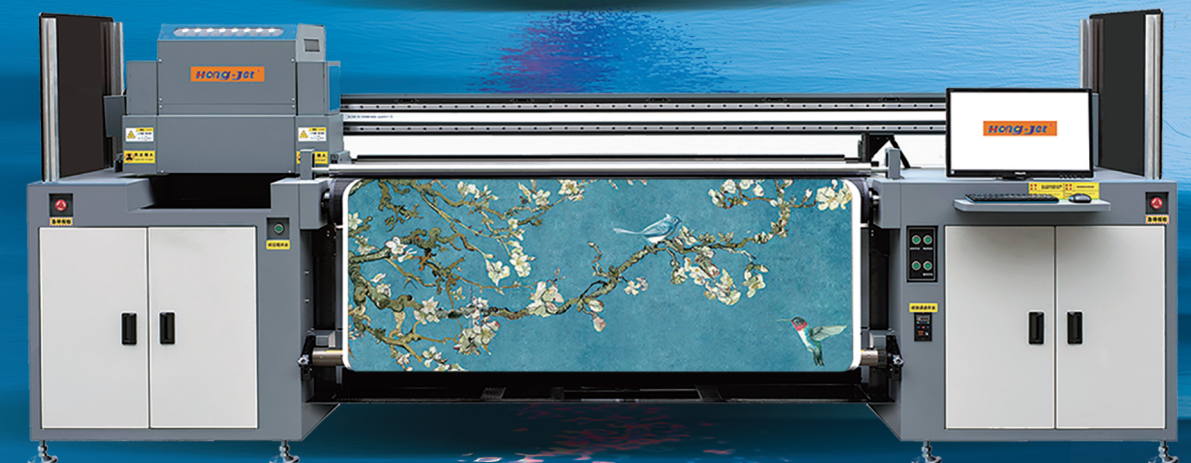
- Using imported raw materials, the particle size is fine and the color is bright.
- Black is processed by special black process, better blackness and clearer printing.
- Waterproof, sunscreen and scratch-proof, long storage time for document printing.
- Good penetration, safe for print head, meeting long-term continuous printing needs.

Applicable machine brands: Epson array copier, HP page wide copier, Canon page wide copier.

WATER-BASED ENVIRONMENT FRIENDLY LATEX INK PRINTING SOLUTION

-We are sincerely recruiting global partners-

- Unlimited for substrate types.
- Direct printing on uncoated or outdoor coated materials in a purely water-based, environmentally friendly process.
- Weather resistance breaks through industry bottlenecks.
- Meet the needs of more applications.
- Water-based nano pigment system.



JETALL® Water-based Environment-Friendly Latex Ink

- Unlimited material types, direct printing of uncoated or outdoor coated materials.
- Pure water-based environment-friendly technology to meet the needs of more application.
- Water-based nano-pigment system, weather resistance breaks through the industry bottleneck.
- Brand-new technology, brand-new product application fields, creating high added value and differentiated competitive advantages for customers.

Features

Color available: C M Y K LC LM LK LLK W OP

Suitable print head: Epson, Ricoh and other water-based piezoelectric printheads.

Application

PVC, film, Cardboard, Wallpaper, Coated paper, PU, Interior decoration, Advertising graphic, Digital printing, Shoe, Special material

Water-based Pigment Ink

Digital proofing Digital printing

- Water-based nano-pigment system, green and environment-friendly, meeting various stringent safety and environment-friendly requirements.
- Selecting top raw materials, the ink system stable and safe for print head.
- The color is vivid, the image is smooth and delicate with high saturation and high color reproduction.
- Good fluency, excellent continuous printing performance, meeting the requirements of industrial production.
- Waterproof, sunscreen, scratch resistance, excellent fastness.
- The unique formula design can not only dry quickly on wide medium applicability, but also keep the printheads fully wet when the equipment is in standby.
- Safe for printhead, and it can be quickly restored to the best state even after a long shutdown.

Features

Color available: C M Y K LC LM LK LLK

Suitable printhead: Epson DX5/DX6/I3200

Application

Coated paper, Interior decoration, Advertising graphic, Digital proofing, Digital printing

Crossing the border

Water-based environment-friendly latex solution

Clothing printing

Lettering film color-changing printing on non-absorbent fabrics such as clothing leather/soft decoration/down jackets

Shoe printing

Microfiber leather/pu/leather/pvc/mesh and other materials printing.

Advertising industry

Car stickers/reflective film/canvas cloth/painting cloth/light box cloth and other outdoor materials.

Home decoration

Artwork reproduction/oil painting/background wall mural/wall covering/wall paper/veil curtain/Chinese screen, etc.

Indoor soft decoration

Soft bag leather/sofa furniture/decorative wood etc.

Automotive interior

Car seat/foot pad material/interior accessories/steering wheel cover, etc.

Digital Printing

Digital printing/coated paper proofing Gold and silver cardboard proofing/plane printing hot stamping process special paper material printing, etc.

Special material

Materials that cannot be printed well by other methods, such as: Tyvek/boat canvas/navy paper/dark pu garment leather/metal sheet, etc.

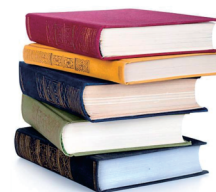
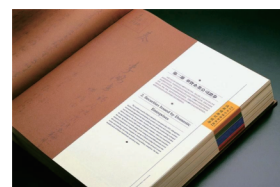
HONGSAM® Digital Printing Ink

Special Pigment Ink for Offset Paper

- Adopting top pigment, average particle size $\leq 200\text{nm}$ (D90).
- Ultra high black density, gorgeous color, wide gamut.
- Excellent waterproof performance, good weather resistance.
- High safety, excellent continuous printing performance.
- Protect the print head, suitable for high-speed continuous printing.

Color available: C M Y K R G B OR

Suitable printhead: Kyocera, Epson, Ricoh, Samba and other high-speed industrial piezoelectric printheads
(Compatible ink of thermal foaming printhead can also be developed).



Application

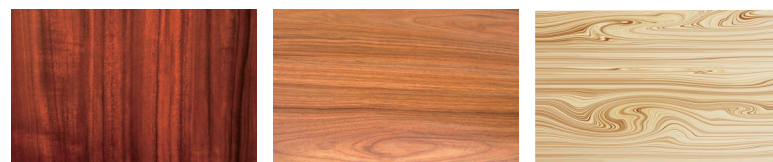
Offset paper, Newsprint, Rice paper, Carbon free paper, Digital paper, Wallpaper

Special Pigment Ink for Grain Paper

- Unique pigment treatment technology to reduce pigment infiltration and form high density and high saturation patterns.
- Unique ink formula, no cracking or bursting during post-processing.
- Smooth and delicate image with vivid color.
- High temperature treatment, high temperature and high pressure treatment will not change color.
- Variety of special color inks are provided.

Color available: C M Y K

Suitable printhead: StarFire, Epson, Kyocera, Konica.



Special Pigment Ink/Dye Ink for Corrugated Paper

- Ink imaging effect is good, quick-drying and ink saving, waterproof and scratch-resistant.
- Unique pigment treatment technology to reduce pigment infiltration and form high density and high saturation patterns. Smooth and delicate image with vivid color.
- For different corrugated ink, pre-treatment liquid, post-treatment liquid, coating liquid can be matched, to achieve better color and waterproof effect.



Application

Normal yellow box
Normal white box
Coated box



Suitable printhead: StarFire, Epson, Kyocera, Konica.

Ink classification	Colors available
Corrugated pigment	C M Y K R G B
Corrugated dye	C M Y K R (Special sunscreen dye ink and waterproof dye ink are also provided)
Pigments ink for coating cartons	C M Y K

Copper Paper Inkjet Printing Ink

- Water-based Nano pigment system, green environment-friendly, meet all kinds of stringent safety and environment-friendly requirements.
- Adopting top raw materials, ink system stable, protect the printhead.
- Smooth and delicate image with vivid color, with high saturation, high color reduction.
- Good fluency, excellent continuous printing performance, meet the requirements of industrial production.
- Waterproof, sunscreen, scratch resistance, excellent fastness.
- Unique formula design, not only can fast drying on the medium, to provide a wide range of media applicability.
- It can keep the printhead fully wet when the equipment is in standby mode.
- Safe for printhead and can be quickly restarted to the best state after a long shutdown.

Color available: C M Y K R G B

Our copper paper printing ink two categories available:

one suitable for Medium and low speed printing, small batch order printing ink.
another one suitable for high-speed printing ink with suitable special coating liquid.

Application

Book covers, Trade magazines, Instruction manuals, Almanacs, Recipes

HONGSAM® Inkjet Ink for Film

1. Specially developed for inkjet printing on film, strong uv-blocking, high color and optical density.
2. High light-blocking efficiency. Clear and round edge of ink dots printed on film.
3. Fast drying for heavy ink printing, saving production time.
4. Stable quality, low diffusivity, no spread after long time storage, extremely suit for film printing and long time storage.
5. High imagery density, extremely similar with laser printing quality, easy for plate burning.
6. Suit for Epson, Roland, Mimaki, Mutoh piezoelectric printers.
7. Water based ink, environment friendly.

Application

Package printing, Screen printing

HONGSAM® Inkjet Ink for Engraver

1. High blackness and light-blocking efficiency. Clear and round edge of ink dots printed on engraver
2. High adhesion, no blur of photographic
3. Fast drying for heavy ink printing, saving production time
4. Moderate adhesion and surface tension, extremely suit for inkjet engraver printing
5. Easy to clean
6. Suit for Epson, Roland, Mimaki, Mutoh piezoelectric printers
7. Water based ink, environment friendly

Application

Rotary screen printing, Flat screen printing

HONGSAM ^{Plus}

More than Inks...

Your cooperation partner!

Inkjet ink for All Kinds of Printers

One of the World's Leading Manufacturers on Pigment Ink

ODM & OEM Services to Photo System Manufacturers

Inkjet Ink for Digital Textile Printing

Inkjet Ink for Digital Printing

Inkjet Ink for Interior Decoration

Auxiliaries

Auxiliaries for Textile Pigment Ink

Classification	Name	Functions and Features	Application
Pre-treatment Liquid for Textile Pigment Ink	NO.DC982103 Pre-treatment liquid for textile pigment ink PP-01	Pre-treatment liquid for textile pigment ink , improving color fastness, color brightness and pattern definition. Use ratio: 1:9-19	Pre-treatment /Post-treatment printing for textile pigment ink digital printing on cotton, polyester/cotton, Brocade cotton, hemp, polyester ammonia, Modal, nylon and other blended fabrics.
	NO.DC982102 Pre-treatment liquid for textile pigment ink 9#A	improving color fastness, color brightness and pattern definition. Use ratio:1:6-9	
	NO.DC982101 Pre-treatment liquid for textile pigment ink PP-01	Applied to digital printing pre-treatment of nylon silk fabrics. Use ratio: 1:9-19	
Post-treatment Liquid for Textile Pigment Ink	NO.DC980203 Post-treatment color fixing agent of textile pigment ink PA-03	Post-treat the fabric to improve color fastness. Use ratio: 1:9 -19	Suitable for 100% cotton knitting, woven, and nylon taffeta, etc.
	NO.DC982204 Post-treatment color fixing agent of textile pigment ink PA-04	Post-treatment liquid for textile pigment ink , improving color fastness and softness. Use ratio: 1:9 -19	
	NO.DC982205 PA-05 Post-treatment color fixing agent	Improve color brightness and fastness, the fabrics has soft hand feeling. Use ratio: 1:50-100	

Auxiliaries for Disperse Ink

Classification	Name	Functions and Features	Application
Pre-treatment Liquid for Disperse Ink	NO.DC922103 DP-03 Pre-treatment liquid	Customers can control the clarity and penetration through the amount of sizing, which can be adjusted flexibly. This product is easy to be desized when washed, and does not change the hand feeling of the printed fabric; Improve the printing accuracy of digital printing patterns and the color yield of fabrics. Use ratio: 5%-10%	Pre-treatment liquid for disperse Ink digital printing on all polyester fabrics, like clothing, carpets, curtains, tents, shoes, bras, etc.
	NO.DC922104 DP-04 Pre-treatment liquid	The usage is low and easy to thin, which reduces the pressure and cost of the customer's sizing operation; after sizing, it does not affect the fabric feel; at the same time, it is easy to be desized during washing, which reduces the washing pressure of the customer. Improve the printing accuracy of digital printing patterns and the color yield of fabrics. Use ratio: 1%-5%	Suitable for polyester swimwear, polyester yarn, chiffon, composite silk and other chemical fiber fabrics.

Auxiliaries for Reactive Ink

Classification	Name	Functions and Features	Application
Pre-treatment Liquid for Reactive Ink	NO.DC930100 RP-01 Pre-treatment liquid	Pre-treat the fabric to prevent ink infiltrate, improve pattern sharpness and color yield. Use ratio:1%-3%	Pre-treatment /Post-treatment for reactive Ink digital printing on cellulose fibre and protein fiber, including cotton, linen, viscose, bamboo fiber, wool, silk, etc. cellulose fibre and protein fiber.
Post-treatment Liquid for Reactive Ink	NO.DC931200 RW-01 Washing liquid	Wash off the sizing agent and unfixed dyes after printing, prevent the background contamination. Use ratio: 2%-5%	
	NO.DC933200 RF-01 Color fixing agent	Improve the color fastness. Use ratio:3%-10%	

Auxiliaries for Acid Ink

Classification	Name	Functions and Features	Application
Pre-treatment Liquid for Acid Ink	NO.DC950100 AP-01 Pre-treatment liquid	Pre-treat the fabric to prevent ink infiltrate, improve pattern sharpness and color yield. Use ratio:20%-30%	Pre-treatment/ Post-treatment for acid Ink digital printing on silk, wool, fur, chinlon, nylon, etc.
Post-treatment Liquid for Acid Ink	NO.DC950200 AW-01 Washing liquid	Wash off the sizing agent and unfixed dyes after printing, prevent the background contamination. Use ratio: 4%-8%	
	NO.DC951200 AF-01 Color fixing agent	Improve the color fastness. Use ratio: 2%-4%	Post-treatment for modified polyester, cations dye ink printed acrylic carpet, and acid dye ink printed nylon carpet.
	NO.DC950203 AA-03 Color fixing agent for carpet	It is used for spraying in the carpet process to improve the degree of fixation of acid ink or cation ink, and increase the carpet coloring fastness. Use ratio: 2%-5%	

Auxiliaries

Auxiliaries for RCT Printing			
Classification	Name	Functions and Features	Application
Pre-treatment Liquid	NO.DC813130 OP-083 Textile pigment ink pre-treatment liquid for Epson printhead	Fix the inks, improves fastness, color saturation and depth.	Suitable for cotton, hemp, wool, silk, rayon, polyester, nylon, polyester/cotton, nylon/cotton and other single-fiber or multi-fiber blended or interwoven fabrics; they can be used for various fabrics including but not limited to clothing, T-shirt garments, home decoration and home textiles, shoe materials, outdoor tents, carpets, special medical care and hotel supplies printing; use for but not limited to the printing process of pigment textile ink, disperse ink, reactive ink, acid ink and cationic inks.
	NO.DC815230 OP-085 Textile pigment ink pre-treatment liquid for Kyocera printhead		
	NO.DC818130 OP-088 Textile pigment ink pre-treatment liquid for Ricoh, StarFire, Seiko, KM printheads		
	NO.DC258930 Disperse pre-treatment liquid OP-02	Fix the inks, improve printing accuracy and printing effect.	
	NO.DC315630 Reactive pre-treatment liquid OP-03		
	NO.DC515130 Acid pre-treatment liquid OP-05		
	NO.DC615130 Cationic pre-treatment liquid OP-06		
Post-treatment Liquid	NO.DC813140 Post-treatment color-fixing liquid of pigment textile ink for Epson head.	Improve fastness and shorten process	
	NO.DC815240 Post-treatment color-fixing liquid of pigment textile ink for Kyocera head.		
	NO.DC818140 Post-treatment color-fixing liquid of pigment textile ink for Ricoh, StarFire, Seiko, KM printheads.		

Auxiliaries			
Classification	Name	Functions and Features	Application
NO.DC900011 Printhead protection liquid for Epson	Colorless	The device is standby for long time or printing intermittent, printhead moisturizing which can prevent nozzle surface dry from being parked for long time.	Direct use, do not dilute.
NO.DC900012 Printhead protection liquid for Epson	Light magenta		
NO.DC900015 Industrial printhead protection liquid PL-01	Colorless		
NO.DC900001 Dr CLEANER II	Blue	For pipe and printhead cleaning; Cleaning when the equipment is used for long time and the printhead is slightly blocked; Use for pigment, dye, reactive, acid, pigment textile ink, latex ink.	The device is standby for long time or printing intermittent, printhead moisturizing which can prevent nozzle surface dry from being parked for long time. After use the cleaner, drain the cleaner first, and then clean up the remaining cleaner with pure water. After draining pure water, inject printhead protection liquid. Note: Use under the guidance of a professional.
NO.DC900003 Dr CLEANER III	Yellow	For pipe and printhead cleaning; Cleaning when the equipment is used for long time and the printhead is slightly blocked; Use for disperse, DTF disperse ink.	
NO.DC900002 Dr CLEANER VI	Red	For pipe and printhead cleaning; Cleaning when the equipment is used for long time and the printhead is slightly blocked; Application is required.	
NO.DC900007 Dr CLEANER VII	Colorless		
NO.DC900021 INK GUIDE FLUID	Colorless	Cleaning and wetting of pipe and printhead.	Direct use, do not dilute.



New lauched! Rapid Colour Technology-Anhydrous digital printing without pretreatment, solve the pain points of pretreatment.

- | | |
|---------------------------|----------------------------|
| ✓ Non-pretreatment | ✓ Attractive Cost |
| ✓ Shorter Process | ✓ Higher Efficiency |
| ✓ Better Color | ✓ Better Fastness |

Hongsam RCT Anhydrous Digital Printing without Pretreatment

The **Pain Points** exist in Digital Pigment Printing: **Pre-treatment**

Most customers need to do the pre-treatment, in order to get good color performance and fastness. What they face in traditional:

- A. Install own Padding Machines. Generally one padding machine will cost \$15,000-45,000 per unit, even land, labor, power and water, etc cost not included yet.
- B. Outsourcing for pretreatment. \$0.3/meter has to be paid just for pre-treatment handling, plus transport cost back and forth, more important, time is not 100% under control, thus would affect the order delivery safety.
- C. Complicated for demo. It is pretreatment and dry requested that before ready to print.
- D. Complicated for fabric switching. Different fabrics request different density for pretreatment liquid, some unnecessary fabric, liquid and time waste during fabric switching.

Company Honors



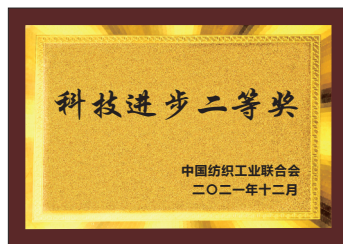
National High-tech Enterprise Certification in 2005



Innovation Fund of the Ministry of Science and Technology of the People's Republic of China in 2011



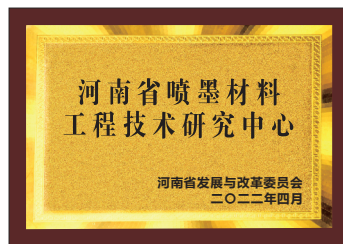
Second Prize of Patent in Zhengzhou City in 2012



Second Prize of Science and Technology Progress Award of China National Textile And Apparel Council in 2021



National SMEs Science & Technology Enterprises in 2022



Henan Inkjet Material Engineering Technology Research Center in 2022

Hongsam Patents and Trademarks

