

BCINKS[®] Essential
DIGITAL PRINTING INK SOLUTIONS
SINCE 1996

CONTACT US

R&D Center

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**“BRING
YOUR DESIGN
TO LIFE
TURN YOUR IDEAS
INTO REALITY”**

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ABOUT US



The company operates under two brands: **BCINK and Essential** (established in 2018), originally founded in Taiwan, moved to China and started Zhejiang factory in 2004, is a Taiwan-owned professional ink manufacturer that specializes in the production, R&D of water-based inkjet inks and digital textile printers. With over 20 years of experience in water-based inkjet technology, we provide a wide range of inkjet ink service for desktop printer, business high speed printer, wide-format digital printer, packaging printer, custom book publications and digital textile printer.

Our new factory is located in the Jinhua Economic Development Zone of Jiangsu Province, covering an area of 42,000 square meters, and is expected to be completed and put into service by the end of next year. The establishment of the new factory will greatly enhance our productivity and increase our capacity to meet the global market needs of our customers.

OUR VISION

Mission

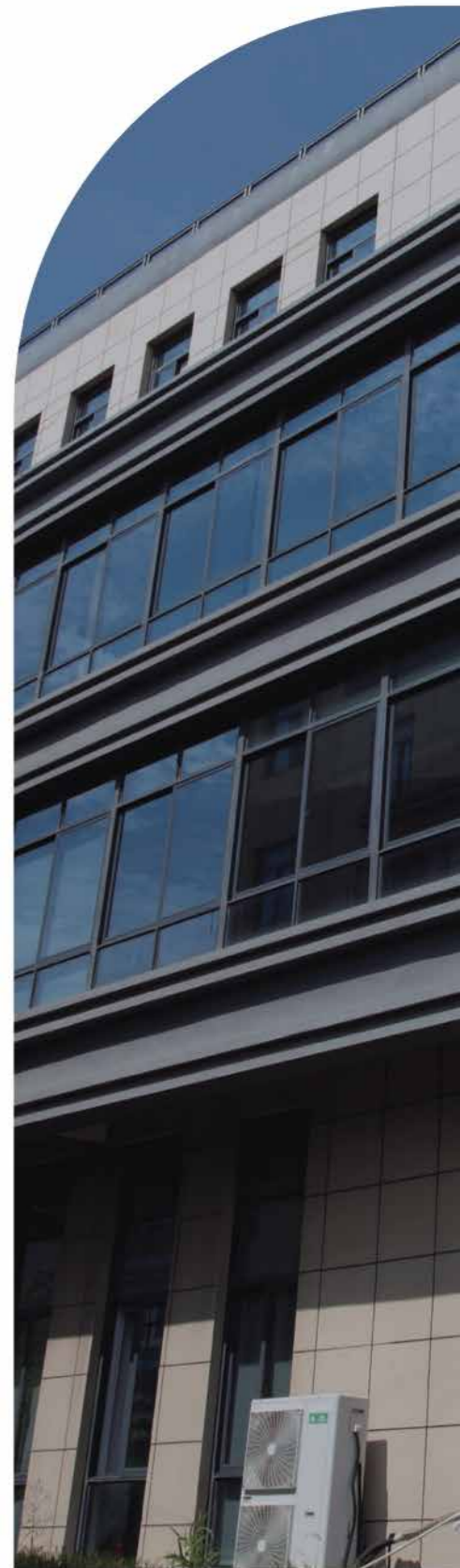
Our mission is to provide high-quality products and innovative solutions that meet the evolving needs of our global customers. We are dedicated to enhancing the printing industry with cutting-edge ink technology, ensuring reliability and exceptional service. We aim to build lasting partnerships, helping our customers succeed in their markets.

Vision

Our vision is to be the leading provider in the textile-related ink and inkjet ink market, offering advanced solutions that enable creativity and efficiency for businesses worldwide. We strive to shape the future of the inkjet printing industry, fostering sustainable growth while ensuring that our innovations contribute to a vibrant, colorful world of printing.

WHY CHOOSE US?

- **Expertise & Innovation:** With 20+ years of manufacturing, R&D experience, we provide innovative, patent-protected solutions in ink technology.
- **R&D:** Professional Inkjet Ink Manufacturer, Own advanced R&D center for continuous product improvement and development to meet market needs, OEM, ODM and customized service is available.
- **Superior Quality:** Strict quality control and traceability system to ensure high stability quality products.
- **Customer-Centric Service:** We prioritize customer satisfaction with dedicate support and tailored technical assistance.
- **Sustainability Commitment:** We offer eco-friendly products that meet global environmental standards, ensuring a sustainable future.



MILESTONES

1996

Andy Chen entered the inkjet ink R&D market in Taiwan

2004

Zhejiang factory was established and launched water-based inkjet ink

2012

Dr. Guo Zhenhua established R & D team, Begin Nano Technology Materials Research and test

2018

Zhejiang Integrated R&D center and office were come into service

2020

Won the honor of National high-tech enterprise certificate
Jiangsu ESSENTIAL factory starts construction

2022

Launched ESSPRT DTG Textile Printer
And new generation DTG Ink.

2025

Jiangsu factory will put into service by the end of next year

2000

Entered the mainland market and established a inkjet ink R&D team

2007

The factory has passed ISO9001 international quality certification. The ink has obtained multiple certifications from SGS and REACH. R & D textile ink and Its application

2015

Dispersed ink has passed various technical indicators and environmental protection certification of SGS textiles

2021

Established Inkjet printer R&D team
Obtained multiple patents and honors

2023

Launched DTF turnkey solution and 8 color DTF Ink

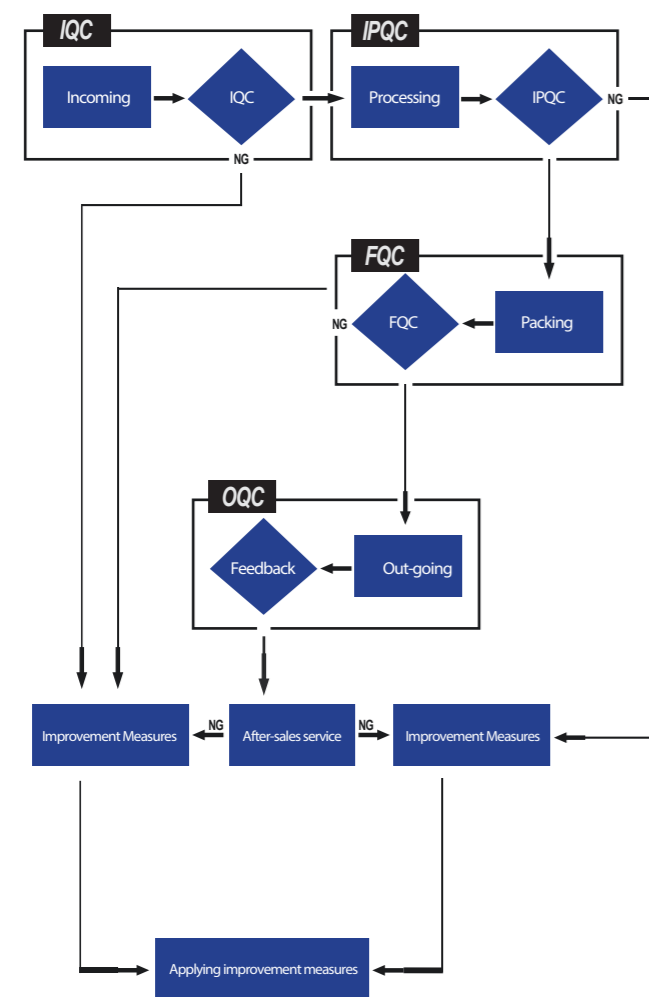
2024

Jiangsu ESSENTIAL R&D Center and factory

INFRASTRUCTURE & CAPACITY

The advanced infrastructure and production equipment rapidly enhance productivity and shorten delivery times to meet the growing demands of the inkjet ink as well as textile printing industry. The new Jiangsu factory can ensure the capacity for current and future production growth, guaranteeing production efficiency and scalability for the global market.

With automatic systems and quality control processes, we optimize production efficiency while minimizing environmental impact. Multiple production lines ensure that our output meets the high standards required by the industry, maintaining quality and enabling quick delivery.



COMMITMENT TO QUALITY CONTROL

Quality is at the core of everything we do. Our strict quality control system guarantees superior products and full batch traceability from start to finish.

STRICT MONITORING

Every step of production is closely monitored, from raw material sourcing to final product inspection, ensuring consistent quality across all batches.

FULL BATCH TRACEABILITY

Each batch is traceable, allowing us to track raw materials and monitor product quality throughout its lifecycle.

ONGOING TESTING

We retain samples from each batch for testing, allowing us to respond to client feedback and continuously improve our products.



600

Digital Printers
600 Sets Annually

10,000

Inks
10,000 Tons Annually

42,000

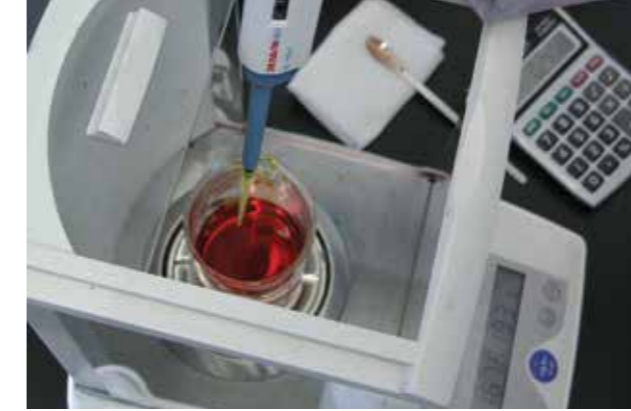
Factory Size
42,000 m

20+

20+ Years Industry Expertise

- Professional skills, knowledge
- Stable processing
- Strict Quality Control
- Customized Ink formula service

CAPACITY



RESEARCH, DEVELOPMENT & INNOVATION

Innovation and expertise are at the heart of our operations. With a professional team boasting over 20 years of experience, we are dedicated to advancing ink technology and continually enhancing our products to meet the evolving demands of the textile printing industry. Our R&D team focuses on developing cutting-edge, patent-protected ink technologies that ensure superior performance, efficiency, and environmental sustainability, keeping us at the forefront of industry trends.



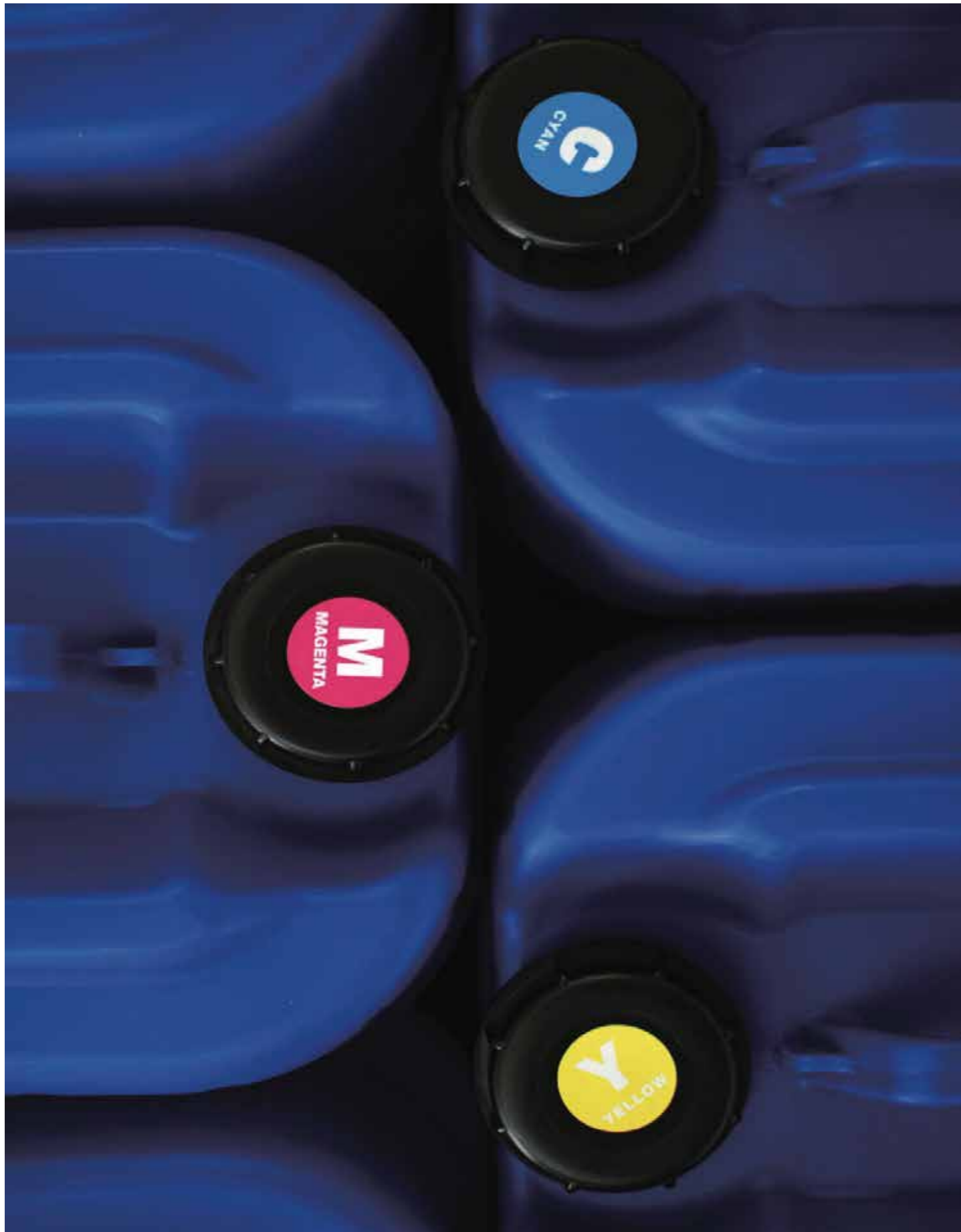
INNOVATION IN RESEARCH AND DEVELOPMENT

We continuously invest our R&D Center and technical capabilities to develop high performing water based inkjet inks to meet customer needs in multiple printing application and minimizing environment impact. we deliver customized Ink formula service for our partner's specific applications. our water-based inks are formulated for excellent color vibrancy, durability, and eco-friendliness.



CONTINUOUS IMPROVEMENT

Through ongoing research and a team of experienced professionals, we adapt to the dynamic needs of the global multiple printing market, ensuring our customers receive the most advanced and reliable products.



PRODUCTS

We offer a variety of high-performance ink products designed to meet the diverse needs of the printing industry. Our products are formulated to provide vibrant colors, excellent durability, and high-quality results for a range of applications.

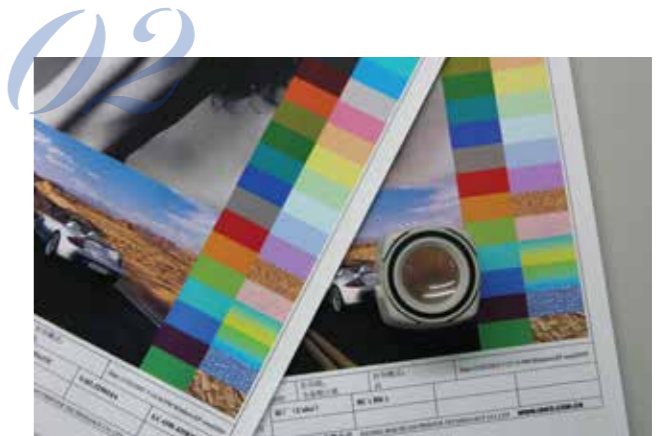


DIGITAL TEXTILE PRINTING

Our Digital Printing Series is ideal for a wide range of fabrics. These inks provide vibrant, high-quality prints, ensuring precise color reproduction and excellent performance in digital printing applications. It includes Sublimation Ink and Textile Pigment Ink.

WIDE-FORMAT & DESKTOP

The Wide-Format & Desktop Series is designed specifically for paper applications, whether on large-format printers or desktop printers. These inks deliver high-quality prints with vibrant colors and clear details, perfect for printing graphics, posters, and signage. It includes Dye Ink and Pigment Ink.



SPECIAL APPLICATIONS

Our Special Applications inks are tailored for printing on various specialized materials, including film plates, paper cartons, art paper, and wallpaper. These inks provide color durability, ensuring high-quality prints for packaging, decorative purposes, and industrial applications. It includes Art-paper Ink, Film Plate Making Ink, Corrugated cardboard ink.

DIGITAL TEXTILE PRINTING

SUBLIMATION INK & DIRECT SUBLIMATION INK

SUBLIMATION INK

Sublimation is a heat-based process that transfers dye to fabric, ensuring the ink becomes part of the material. This results in breathable fabrics with vibrant graphics that won't peel, wear off, or fade in the wash.

Features

- High color density for bright color performance
- Quick-drying formula, reduces ink consumption, and optimizes productivity
- Wide compatibility with thin, uncoated, and heavy papers
- Reliable output for high-speed printing
- Nano technology and ultra-filtration for long-term stability
- Self-cleaning formula for easy dissolution and improved head performance
- Cost-effective, boosting profitability
- SGS certified, environmentally friendly ink

Applications

Apparel, sportswear, fashion clothing, curtains, pillows, custom luggage covers, posters, banners, etc.

Sublimation Ink Fastness

	Light fastness	Wash fastness	Heat fastness
■ Black	5	5	5
■ Intensive Black	5	4-5	4
■ Cyan	5-6	4-5	3
■ Magenta	6	4	5
■ Yellow	6	4-5	4
■ Blue	4	3-4	4
■ Orange	5-6	4-5	4-5

Fluorescent Sublimation Ink

	Light fastness	Wash fastness	Heat fastness
■ Fluorescent Magenta	5	5	5
■ Fluorescent Yellow	5	4-5	4



DIRECT SUBLIMATION INK

Direct Sublimation Ink (disperse dye ink) is designed for high-speed digital printing on polyester fabrics, with heat later applied to fix the color. The ink bonds with the fabric, creating durable and vibrant prints.

Features

- Print directly onto pre-treated polyester, eliminating paper and reducing printing costs
- High-density ink for consistent color on both sides of the fabric
- Longer open time for high-speed printing
- Vivid color, soft touch, and excellent wash resistance
- Self-cleaning formula improves head performance and ease of use

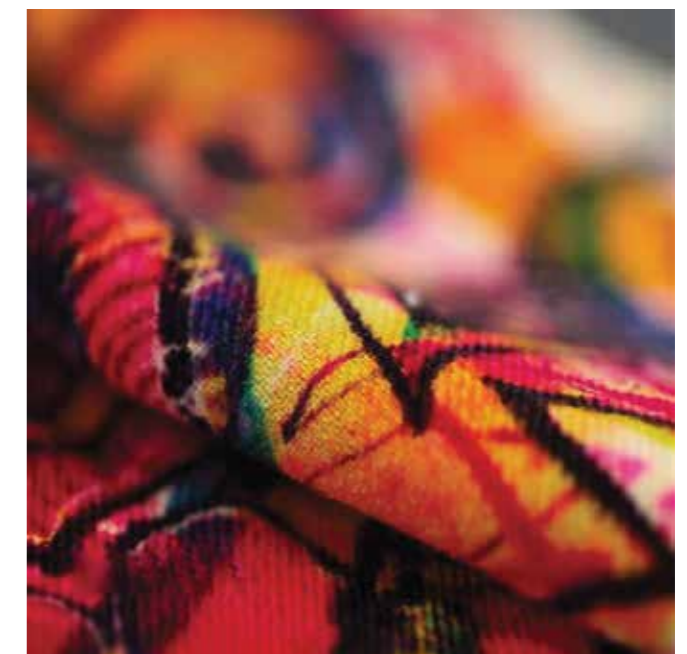
For Epson Printhead Compatibility

i3200/DX4/DX5/DX6/DX7/5113

For Mimaki, Mutoh, and Roland Printers

Applications

Polyester fabrics, including fashion clothing, flags, banners, home décor, outdoor signage, promotional materials, curtains, and carpets.



DIGITAL TEXTILE PRINTING

TEXTILE INK FOR ROLL TO ROLL (RTR), DIRECT TO GARMENT (DTG), DIRECT TO FILM (DTF)

TEXTILE INK FOR ROLL TO ROLL

Roll to Roll printing, also known as RTR printing, is designed to print roll fabric directly on belt digital textile printers. Involves spraying ink directly onto a roll of fabric. The ink is absorbed by the fabric, becoming part of the final product and preventing issues like cracking, peeling, or fading. This method is ideal for producing multi-color designs on various apparel.



For Epson head **i3200/1600/4720/xp600**

Recommended Fabrics

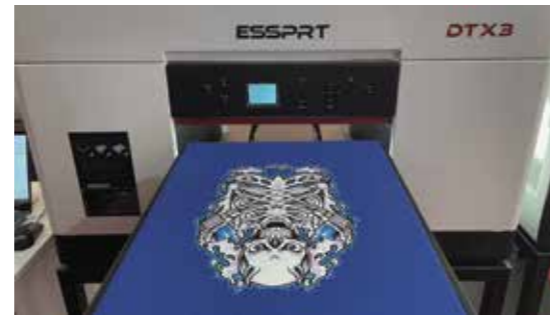
100% cotton, linen, canvas, combed cotton, high-cotton blends (blends with a high proportion of cotton)

How to Use

- Preparation: Pretreat the roll fabric
- Printing: Create your design and print using a Roll to Roll belt machine
- Drying & Fixation

Applications

T-shirts, sweatshirts, hoodies, buttoned/zippered garments, pants, leggings, handbags



TEXTILE INK FOR DIRECT TO GARMENT

DTG printing is used for printing designs directly onto garments. It provides high adhesion, vivid colors, and excellent resistance to washing, wearing, and rubbing.



For Epson head **i3200/1600 /4720/xp600/L1800/L805/P400/ etc**

Pretreatment Liquid

- For Light Colored garments
- For Dark Colored garments

Features

- High adhesion to fabric
- Vivid color performance
- Strong washing and wearing resistance
- Dry-rubbing resistance
- Good color fastness to crocking
- Soft feel
- OEKO-TEX Eco Passport certified
- ZDHC Level 1 certified

Notes

Pre-treatment is necessary for printing on dark-colored garments. Apply pre-treatment using a manual sprayer or pre-treatment machine, then dry the garment using a heat press.

TEXTILE INK FOR DIRECT TO FILM

DTF printing is an emerging technology where designs are printed onto a special transfer film, which is then transferred onto the fabric or other materials using heat and pressure. DTF offers a versatile, high-quality, and cost-effective solution for custom printing on a wide range of materials.

BCINKS DTF Turnkey Solution Includes

- DTF Printer: DTF302/DTF602/DTF604
- DTF Ink
- PET Film
- Hot melt adhesive powder
- Heat press machine



Features

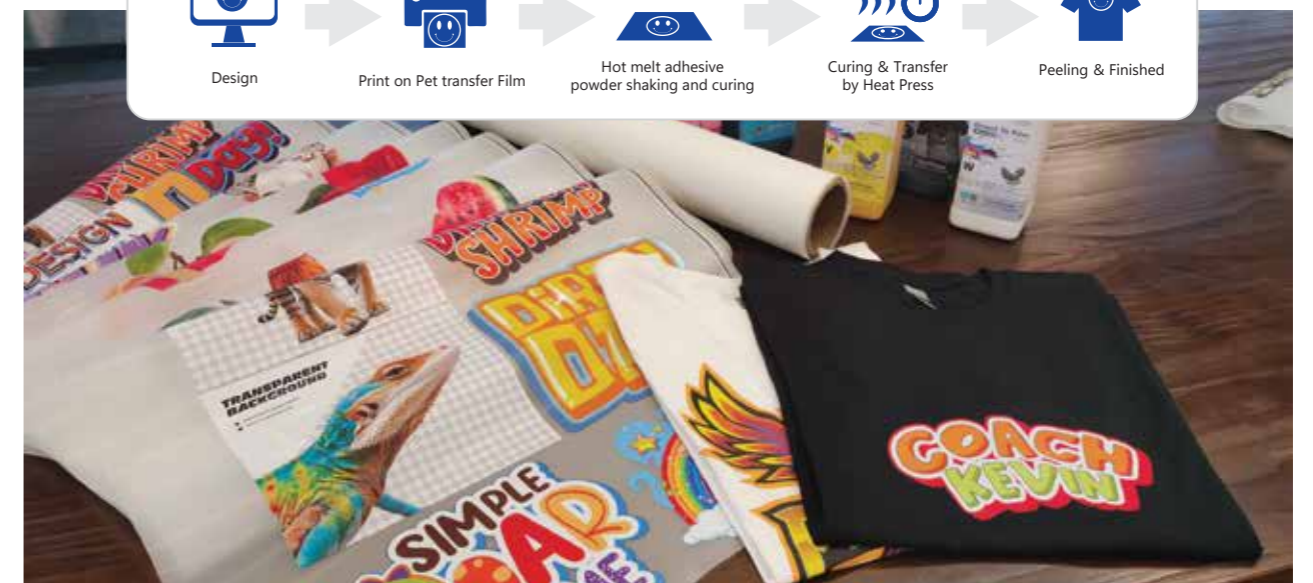
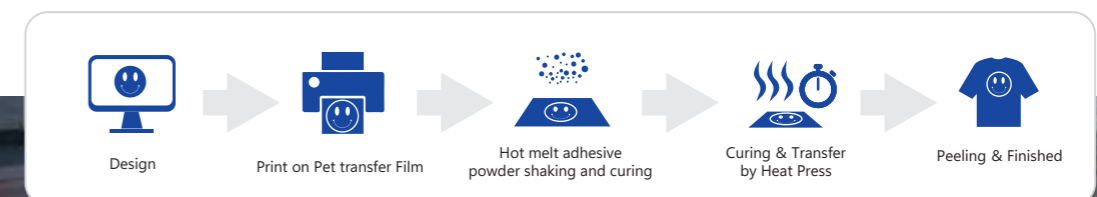
- Stability & super whiteness
- Excellent whiteness coverage
- Broad color gamut and good color reproduction
- Excellent compliance between white ink and color ink
- Better washing durability & rub resistance
- Refined ink formulation to minimize the risk of oil back (oily residues)
- OEKO-TEX ECO PASSPORT certified
- ZDHC Level 1 certified



For **L800/L805/P400 etc** **i50/ L1800**

Applications

Customized t-shirts, sweatshirts, hoodies, caps, canvas, shoes, wash labels, neck labels, neck care labels, tagless labels, gift items, etc.



DESKTOP SERIES & WIDE-FORMAT

PIGMENT INK, DYE INK

PIGMENT INK

For Desktop Series Compatible for Epson/ HP/ Canon/ Brother/ Lexmark/ Ricoh

BCINKS Pigment ink delivery ideal performance on Epson, canon, hp, brother etc brand printer. We adopted top grade Nano-scale raw materials from global leading material manufacturer to ensure Inks quality from source.

We use PALL 3-grade filtered to reduce the risk of clogging and make sure the inks stable continuous printing without stopping.

Hotselling: Pigment Ink for Epson High-speed Business Inkjet Printers

Features

- Specifically formulated for high-speed printing and business productivity
- Quick-drying, water-resistant, and UV-resistant
- Vivid colors and sharp black text



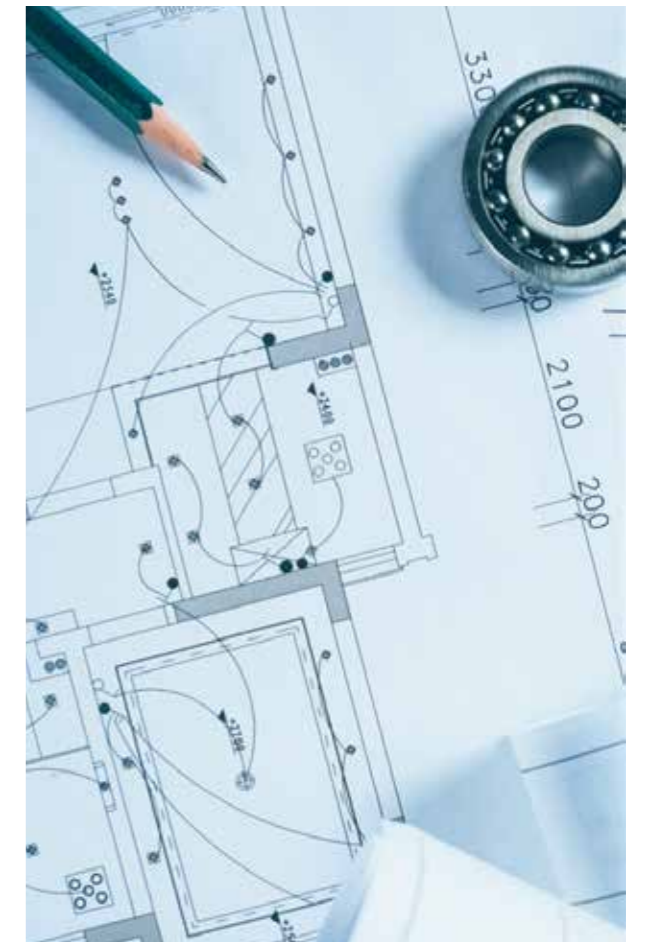
PIGMENT INK

For Wide format Printer

Our pigment ink is widely used in the digital imaging, advertising, and home decoration printing industries. Its deep blacks and true neutral grays make it perfect for high-quality photography, vintage art prints, and indoor/outdoor posters. The printed images feature excellent UV resistance, water resistance, and long-lasting durability.

Applications

- Interior Decoration
- Blueprint Paper (Landscaping Plans)
- Posters and Billboards
- POD (Print on Demand) Book Services



DYE INK

Inkjet Ink for Canon/HP/Epson/Brother Desktop Printers

Features

- Wide color gamut, accurate color reproduction
- Stable quality, smooth printing, cost-effective
- No heavy metals, eco-friendly, non-toxic
- Water-based formula, safe and chemical-free

Benefits

Stable quality, vivid colors, and reliable performance.

SPECIAL INK

ART PAPER INK, FILM PLATE MAKING INK & CORRUGATED CARDBOARD INK

ART PAPER INK

Art Paper Ink, also known as Multi-functional Pigment Ink, is an improved water-based pigment ink designed specifically for use on art paper. This ink is compatible with Epson printer heads and can be directly printed on both coated and uncoated art paper (such as offset printing paper) without the need for coating. It transforms your inkjet printer into an offset printing machine, offering flexibility, cost-effectiveness, and convenience.



Applications

- Digital Quick Print: Calendars, invitation cards, brochures, menus, posters, name cards, books, presentations, digital color proofing, flyers, promotional leaflets
- Packaging: Package paper boxes, custom labels, logos
- Home Decoration: Printing wallpaper

Features

- True art paper ink, no coating required
- Waterproof with excellent rub resistance



FILM PLATE MAKING INK

Film Plate Making Ink is designed primarily for Epson and Roland piezoelectric print heads. It is used for CAD, film printing, and plate making applications, providing high-quality results at a reasonable price.

Features

- High black density
- Fine sharp dots
- Quick drying after printing
- No clogging of the print head
- Consistent, high-quality performance

Applications

- CAD
- Film printing
- Plate making



CORRUGATED CARDBOARD INK

BCINKS Corrugated Cardboard Ink is designed for high-speed printing on corrugated packaging. It dries quickly on the substrate and remains fluid on the print heads to minimize downtime. This ink is suitable for ordinary yellow and white corrugated cardboard, as well as coated cardboard boxes.

Advantages

- Cost-effective for high-speed, high-volume production
- Easy processing with a constant printing process
- Flexible production, allowing manufacturers to print only the needed quantity
- Customizable designs for any quantity, personalized or customized corrugated paper carton printing

Applications: Corrugated packaging printing

SUPPORT & SERVICE

We are dedicated to delivering not only high-quality products but also comprehensive support to ensure your success. From expert consultations to ongoing after-sales assistance, we are here to guide you through every step of your printing journey.



TECHNICAL CONSULTING

We provide expert advice based on your specific printing needs. Before making a purchase, our team helps you choose the most suitable products for your application, ensuring the best performance.



OEM/ODM SERVICES

For specialized applications, we offer custom ink solutions tailored to your unique requirements, delivering high-quality products that match your needs.



COLOR MANAGEMENT

Our lab is equipped with a wide range of printers to create ICC profiles for our inks. We also offer color management services for printers not available in our lab, ensuring consistent color performance.



AFTER-SALES SUPPORT

We offer continuous support after purchase, assisting with troubleshooting and providing guidance to maximize the performance of our inks.

APPLICABLE BRANDS

Our products are compatible with the following brands and other brand printers .

We are dedicated to providing quality inkjet ink for our partners and offering customized solutions to meet their needs.



CERTIFICATION



TYPE		CERTIFICATE NUMBER	TEST REPORT NUMBER
ECO PASSPORT with Self-Assessment		SHISO 22164	SHISO 243406.1

No.	Product Name	Trade Name	Restriction(s) ¹	ZDHC LEVEL	Product Category
1	Textile Ink	DTG Cyan Ink	none	Level 1	2.10 Printing pastes and inks with and without colourants
2	Textile Ink	DTF Cyan Ink	none	Level 1	2.10 Printing pastes and inks with and without colourants
3	Textile Ink	DTG Magenta Ink	none	Level 1	2.10 Printing pastes and inks with and without colourants
4	Textile Ink	DTF Magenta Ink	none	Level 1	2.10 Printing pastes and inks with and without colourants
5	Textile Ink	DTG Yellow Ink	none	Level 1	2.10 Printing pastes and inks with and without colourants
6	Textile Ink	DTF Yellow Ink	none	Level 1	2.10 Printing pastes and inks with and without colourants

TYPE		CERTIFICATE NUMBER	TEST REPORT NUMBER
ECO PASSPORT with Self-Assessment		SHISO 22164	SHISO 243406.1

No.	Product Name	Trade Name	Restriction(s) ¹	ZDHC LEVEL	Product Category
7	Textile Ink	DTG Black Ink	none	Level 1	2.10 Printing pastes and inks with and without colourants
8	Textile Ink	DTF Black Ink	none	Level 1	2.10 Printing pastes and inks with and without colourants
9	Textile Ink	DTG White Ink	none	Level 1	2.10 Printing pastes and inks with and without colourants
10	Textile Ink	DTF White Ink	none	Level 1	2.10 Printing pastes and inks with and without colourants
11	Textile Ink	Pretreatment Liquid W	none	Level 1	2.10 Printing pastes and inks with and without colourants
12	Textile Ink	Pretreatment Liquid DK	none	Level 1	2.10 Printing pastes and inks with and without colourants

All brand names, trademarks & logos mentioned here are properties of their respective owners and referred to here for descriptive purpose only.

GLOBAL MARKET

We are proud to serve clients and partners around the world, providing high-quality printing inks and solutions to meet diverse needs. Our products are trusted by industry leaders in various regions, including Asia, Europe, and South & North America. With a strong commitment to innovation, sustainability, and customer satisfaction, we continue to expand our global footprint and deliver reliable printing solutions across the globe.



ASIA

United Arab Emirates, Oman, Pakistan, Cambodia, Laos, Georgia, Vietnam, India, Indonesia, Israel, Taiwan, Saudi Arabia, Japan, Mongolia, Malaysia, Singapore, Bangladesh, Thailand, Turkey, Iran, Sri Lanka

EUROPE

Germany, Ireland, Russia, Belarus, Romania, Latvia, Italy, United Kingdom, Spain, Serbia, Slovenia, Moldova, Poland

AMERICA

United States, Canada, Chile, Mexico, Peru, Brazil, Colombia

AFRICA

Egypt, Cameroon, Congo, Uganda, South Africa, Tanzania, Botswana

OCEANIA

Australia, New Zealand

PARTNER WITH US

We are always seeking new and exciting opportunities to collaborate with potential partners. By joining forces, we can create innovative solutions, expand market reach, and deliver exceptional value to customers worldwide. Let's work together to achieve mutual success and growth.



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