



PRODUCT CATALOGUE

Professional inkjet ink systems for demanding
print production

2026 EDITION

DTF · SUBLIMATION · ECO-SOLVENT · SOLVENT · UV

Manufactured in India with Chenbang technology partnership



LET'S BUILD A BETTER INK SYSTEM.

Share your printhead, printer, substrate, colour set and monthly volume. Our team will recommend the next technical step.

CALDRON CHENBANG INDIA PVT. LTD.

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Product performance and compatibility depend on the complete print system and operating conditions. Specifications may change; request the current approved technical documents before use.

Who We Are

Caldron Chenbang brings together local manufacturing, responsive Indian market support and Chenbang's long-standing ink formulation expertise.

INDIA PLATFORM

Manufacturing and customer support from IMT Manesar, Haryana—closer to Indian printer builders, distributors and production houses.

TECHNOLOGY PARTNER

Chenbang, established in 2004, contributes experience across pigment grinding, dispersion, colour matching and multiple industrial ink systems.

OUR PURPOSE

To help print businesses run compatible ink systems with dependable colour, stable operation and practical technical support.

India Reach. Global Know-How.

01

FORMULATE

Partner-led chemistry, pigment dispersion and colour-matching experience.

02

MANUFACTURE

India-based production configured for solvent and eco-solvent ink supply.

03

VALIDATE

Compatibility-led testing across printhead, printer, media and workflow.

04

SUPPORT

Sampling, onboarding, troubleshooting and after-sales coordination.

A single commercial relationship—from application brief to production support.

Two Decades of Ink Development



2004

Production base established.



2009

Cooperation with Xaar in mainland China.



2012

New garden-style factory put into production.



2014–15

International production consultants support solvent, water-based and UV development.



2017–18

UV capacity expansion; sublimation and DTF programmes enter production.



2021

Epson eco-solvent programme and deeper international cooperation.



2026

Epson Japan testing and approval milestone for T3200 solvent and eco-solvent inks; recommendation to Indian OEM manufacturers.

Formulation Starts in the Lab



R&D PRIORITIES

- Pigment grinding and dispersion control
- Colour matching and density development
- Flow, stability and ageing evaluation
- Printer, printhead and substrate application trials

Partner reference: more than 2% of annual revenue invested in R&D; approximately 10% of employees in R&D as reported for 2022.

Control at Every Critical Stage

1

**Incoming material
check**

2

Laboratory sample

3

**Routine + ageing
tests**

4

Dispersion + filtration

5

**Basic parameter
check**

6

Print application test

7

**Filling + pack
inspection**

8

Release to warehouse

**Release decisions should be supported by the approved batch
specification, COA and product-specific test record.**

Built Closer to the Market



RAPIDLY EXPANDING CAPACITY

Alongside the current Manesar operation, a new 150,000 sq. ft. factory is being developed at IMT Sohna, Haryana, for the next phase of this project.

28,000

sq ft existing plant

8,000

litres/day current
capacity

150,000

sq ft expansion facility

The expansion is designed to increase local manufacturing scale, response speed and long-term supply capability.

Infrastructure for Global Supply



75,000+

m² production base

120+

production units

40+

production lines

25,000+ TONS / YEAR

Combined global production capacity of the Chenbang Group

GLOBAL MANUFACTURING STRENGTH ACROSS CHINA, INDIA AND INDONESIA

From Raw Material to Released Batch

01

QUALIFY

Raw-material identity and basic parameter checks

02

FORMULATE

Controlled addition, mixing and intermediate processing

03

DISPERSE

Pigment dispersion and filtration

04

VERIFY

Physical parameters, ageing and print testing

05

FILL

Filling, package inspection and traceability

Specification limits vary by ink family and must follow the approved technical data sheet.

Six Ink Systems. One Technical Conversation.

DTF

Direct-to-film textile transfer

SUBLIMATION

Polyester textile transfer

ECO-SOLVENT

Indoor/outdoor graphics

SOLVENT

Durable wide-format graphics

LEATHER

Flexible coated surfaces

UV CURABLE

Rigid + flexible substrates

SELECT BY PRINTHEAD × PRINTER × SUBSTRATE × END USE

CCI-E5 Eco-Solvent

A versatile eco-solvent family for signage and display production.



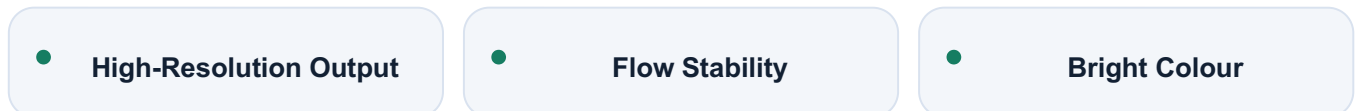
COMPATIBILITY GUIDE

Epson DX5 · DX7 · 4720 · I3200-E1 · XP600

COLOUR SET



WHY IT FITS



APPLICATIONS

Vinyl · Banners · Wall Graphics · Display Films

Epson T3200 Eco-Solvent Ink

A dedicated ink programme for Epson T3200 printhead platforms.



COMPATIBILITY GUIDE

Epson T3200

Tested, passed and approved by EPSON Japan for T3200 Solvent / Eco Solvent printer platforms

COLOUR SET



OEM RECOMMENDATION

Recommended by Epson Japan to OEM manufacturers in India using Epson T3200 printheads.

CC-12 Mild Solvent

For robust wide-format applications where outdoor performance matters.



COMPATIBILITY GUIDE

Compatible with brands such as Konica, Starfire, Polaris, Seiko and Xaar

COLOUR SET



WHY IT FITS



APPLICATIONS

Billboards · Fleet Graphics · Banners · Outdoor Signage

CCI Sublimation

Transfer-printing inks for colour-rich polyester textile applications.



COMPATIBILITY GUIDE

Epson I3200 · 4720 · XP600 · DX5 · DX7 · 5113

COLOUR SET



WHY IT FITS



APPLICATIONS

Sportswear · Fashion · Soft Signage · Home Textiles

CCI DTF Series 6503

A textile-transfer system designed for vivid graphics and dependable white laydown.



COMPATIBILITY GUIDE

Epson I3200 · 4720 · XP600

COLOUR SET



WHY IT FITS



High-Density White



Strong Colour Density



Wash Performance

APPLICATIONS

Cotton Blends · Polyester · Fashion · Workwear

CCI Epson Hybrid UV

Instant-cure UV ink for rigid and flexible printing workflows.



COMPATIBILITY GUIDE

Epson I3200 · DX5 · XP600

COLOUR SET



WHY IT FITS

- LED-UV Curing
- White + Varnish Options
- Multi-Substrate Potential

APPLICATIONS

Acrylic · Glass · Metal · Wood · Leatherette · Canvas · Selected Flexible Media

CCI Ricoh Hybrid UV

A UV family for higher-throughput industrial printhead configurations.



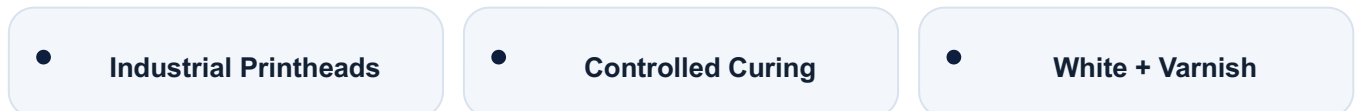
COMPATIBILITY GUIDE

Ricoh Gen5 · Ricoh Gen6 · Konica Platforms · Starfire · Seiko

COLOUR SET



WHY IT FITS



APPLICATIONS

Signage · Décor · Rigid Panels · Industrial Graphics

Indoor, Décor and Retail

High-impact colour across customer-facing spaces, surfaces and packaged products.



Retail and Exhibition Displays

Backlit graphics · display panels · promotional environments



Wallpaper and Interior Décor

Feature walls · customised interiors · hospitality décor



Labels and Packaging

Flexible packs · cartons · premium product labels



Rigid and Decorative Media

Acrylic · glass · metal · wood · furniture surfaces

Outdoor, Textile and Specialty

Professional ink systems for visibility, movement, wear and customised surfaces.



Outdoor Signage and Vehicle Graphics

Billboards · fleet wraps · banners · exterior displays



Sublimation Textiles

Sportswear · fashion · soft signage · home textiles



DTF Garments

Cotton blends · polyester · fashion · workwear



Leather and Flexible Media

Leatherette · canvas · customised flexible surfaces

Compatibility Is a System Decision

1

PRINthead

Model · generation · waveform

2

PRINTER

Ink delivery · filtration · maintenance

3

MEDIA

Coating · surface energy · absorption

4

PROCESS

Temperature · curing · transfer · speed

5

END USE

Durability · flexibility · compliance

REQUEST A SAMPLE + TECHNICAL REVIEW BEFORE CONVERSION

Credentials and Compliance

TECHNOLOGY-PARTNER CREDENTIALS



**ISO quality-system
certification**



**Environmental
certification**



**Epson recognition —
two consecutive years**



**Xaar authorised
cooperation certificate**



**High-tech enterprise
recognition**



**Jiangxi specialised-
enterprise recognition**

DOCUMENT PACK AVAILABLE ON REQUEST

Product-specific TDS · SDS/MSDS · COA · batch documents · originals of
applicable certificates

Why Global Buyers Choose Caldron Chenbang

20+ YEARS

Formulation heritage through Chenbang since 2004

BROAD RANGE

Six professional ink-system categories

LOCAL RESPONSE

Made in India with local technical support

SYSTEM THINKING

Printhead, printer, media and end-use review

QUALITY DISCIPLINE

From incoming material to release testing

SCALABLE SUPPLY

Partner infrastructure for international programmes

Colour management consultancy for multi printer environments

Built to compete globally, localised customer support



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