

PRODUCT CATALOG

REINVENTING TECHNOLOGY

Dilip Industries

WATER BASED & SOLVENT BASED
INKS FOR ALL TYPES OF PLASTIC
FILMS, PAPERS & METALS.

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MANUFACTURER OF WATER BASED INKS AND SOLVENT BASED INKS



FLEXOGRAPHIC INKS (WATER/SOLVENT BASED)

All types of papers, non woven Fabric, BOPP, PP, PET, HDPE, LDPE, MDPE, PVC films, Aluminium foil, treated & untreated films.

Our advanced manufacturing process and technology combined with superior quality of raw materials have made our company leading manufacturers of Flexo Poly Inks. We export to countries like middle east countries, South Americas, Africa - east, west, north, and Asia. Our ink is manufactured with ISO 9001:2000 standard. With manufacturing capacity is more than 900 ton annually we provide high viscosity of ink which reduces printing cost and gives best mileage. Our ink is highly wet and dry rub resistance along with resistance to scuff and nail rub. In addition to high gloss our ink has strong adhesion to different substrate.

FEATURES

- *High Gloss, High Strength*
- *Resistance against tape release, crinkle and scuff*
- *Smooth Finish & Fast Drying*
- *Dilution up to 33%*

PRINTABILITY

- *Excellent printability in half tone*
- *Excellent coverage in full tone*
- *Zero printing defects*
- *Database of more than 5000 penton and RAL shades.*

VARIANTS

- *Oil Resistance Poly Inks*
- *Heat Resistance Poly Inks*
- *Deep Freezing Printing Inks*
- *A/R Poly inks*
- *Mettalic Inks*

Industry Catered

- *Food Packaging : Milk cartons, Beverage containers, Food containers, Disposable cups and containers, labels, etc.*
- *Medical packaging: Foil wrappers, hygienic bags, plastic, & cardboard packaging, etc.*
- *Shipping and Storage industry: Corrugated boxes, kraft paper, etc.*
- *Flexible packaging: All types of plastic and paper bags.*
- *Industrial Packaging: Self adhesive labels, etc*

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ROTOGRAVURE INKS (WATER/SOLVENT BASED)

All types of papers, non woven Fabric, BOPP, PP, PET, HDPE, LDPE, MDPE, PVC films, Aluminium foil, treated & untreated films.

We have excelled in manufacturing rotogravure printing inks. We provide our client the best quality inks at extremely reasonable price. Our clients experience best performance, reliability and efficiency of our product. Experts and researchers in our team have invested their quality time since last forty years and have helped our company to achieve international standards. With increasing demands in ink sector we have prospered and have a vision to provide the ink industry with best quality product at economical price. Our gravure inks can be applied to various packaging material for gravure printing providing best coverage and reliability.

FEATURES

- High Gloss, High Strength
- Strong tape resistance
- Smooth Finish & Fast Drying
- Dilution up to 50%
- High solid content
- Zero ink bleeding

PRINTABILITY

- Excellent printability in half tone
- Excellent coverage in full tone
- Zero printing defects
- Database of more than 5000 penton and RAL shades.
- Excellent ink transfer

VARIANTS

- Oil Resistance Poly Inks
- Heat Resistance Poly Inks
- Deep Freezing Printing Inks
- A/R Poly inks

Industry Catered

- *Food Packaging : Milk cartons, Beverage containers, Food containers, Disposable cups and containers, labels, etc.*
- *Medical packaging: Foil wrappers, hygienic bags, plastic, & cardboard packaging, etc.*
- *Shipping and Storage industry: Corrugated boxes, kraft paper, etc.*
- *Flexible packaging: All types of plastic and paper bags.*
- *Industrial Packaging: Self adhesive labels, etc*

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LAMINATION INKS (WATER/SOLVENT BASED)

PET, BOPP, PU Base Inks for Reverse Lamination, Foil Paper, HDPE, LDPE, MDPE, PP & premium food packaging & high value products.

Manufacturing lamination ink is one of our premium and most popular product which offers high definition printing and excellent bond strength with lamination film. With our highly effective and 100 % pure (free from impurities) lamination ink available at reasonable price we have increased our client base by 33% year on year. Our lamination ink is our one of the highest selling product, We offer inks for reverse laminations. Our water based inks for lamination is very cost effective providing our clients with high mileage, excellent printability and gloss as good as solvent based inks. Our water based lamination inks are compatible with water based adhesives.

FEATURES

- High Gloss, High Strength
- Resistance against tape release, crinkle and scuff
- Smooth Finish
- Fast Drying
- Dilution up to 50%

PRINTABILITY

- Excellent printability in half tone
- Excellent coverage in full tone
- Zero printing defects
- Resistance towards rub and scratches
- Database of more than 5000 panton and RAL shades.

VARIANTS

- Gravure Lamination ink
- Reverse printing lamination ink
- LDPE/HMHD/PP Lamination ink
- Foil Paper Lamination Ink
- BOPP/PET Lamination ink

Industry Catered

- Food Packaging
- Cosmetics Packaging
- Powder Packaging
- Agro Packaging
- Disposable food containers
- Plastic shopping Bags
- Carton Packaging
- Beverage Industry
- Industrial Packaging

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OFFSET PRINTING INKS

Sheet fed for Art, high Gloss paper and mirror coated paper, Corrugated box, all paper packaging industry, Calender, magazine, news papers etc.

We manufacture Sheet fed and Web offset inks with best printability and compatible with the wide variety of offset machines available in the market. We have developed offset inks that can be catered to various types of paper substrates,. Offset inks being widely consumed in the printing industry for high quality and bulk prints for different uses cases, we have excelled in providing our clients the best quality inks. Our technical team is able to provide our clients customized inks as per their requirements. The inks are manufactured with international standards. . The offset inks are glossy, resistant to abrasion, low-odor, dry fast under UV light,.

FEATURES

- *High Gloss,*
- *High Strength*
- *Resistance towards rub and scratches.*

PRINTABILITY

- *Excellent printability in half tone*
- *Excellent coverage in full tone*
- *Zero printing defects*

VARIANTS

- *Sheet Fed*
- *Web Offset*
 - *Cold Set*
 - *Heat Set*

Industry Catered

- *Creative printing for consumer goods.*
- *Magazines*
- *Brochures*
- *Stationery*
- *Kraft Paper*
- *Books*
- *Leaflets*
- *Newspapers*
- *Letterhead, Bill Book, Poster, wedding card*

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WATER BASED INK FOR NON- ABSORBENT & ABSORBENT SUBSTRATE:

All types of papers, non woven Fabric, BOPP, PP, PET, HDPE, LDPE, MDPE, PVC films, Aluminium foil, treated & untreated films.

ECO FRIENDLY

Our inks are non-toxic, non-polluting, eco-friendly, environment-friendly, biodegradable. Water based inks are EHS Compliant, Zero Fire Hazard, Meet Government Regulation.

COST EFFECTIVE

Our Inks can be run at high speed printing machines. Quick drying gives better mileage at high speed. Water based Ink provides minimum 30% of savings on final printing cost at current price levels.

EXCELLENT PERFORMANCE

Our inks have high solids and run effectively at lower viscosity and can run on a low or high depth cylinder, this ensures significantly lower GSM is possible.



WATER BASED INKS:

Our water inks are manufactured with quality control, quality consistency and EHS compliant.



HIGHLIGHTS:

- Green Technology
- Universal for all substrate
- Compatible for Lamination Process
- Excellent Drying with High Printing Speed



BRAND AWARENESS:

Our inks are tried and tested on different types of machines and rigorous testing process which ensure uniformity and highest quality product.

Features Of Water Based Inks

- *“Waterbase Inks” runs on High Speed Roto & Flexo Printing Press. Fully validated at more than 200 mtr/min with high resolution.*
- *“Waterbase Inks” are available for lamination and surface printing on flexible packaging films, foil, foil paper & coated paper*
- *“Waterbase Inks” can run on low to cell depth cylinders for Rotogravure machines & on high LPI analog rolls for Flexographic machines , resulting into significantly lower GSM.*
- *“Waterbase Inks” with high solids & high strength provides significantly better printing mileage.*
- *“Waterbase Inks” eliminates high cost of solvents.*
- *“Waterbase Inks” is Non-Hazardous, Eco-friendly, Biodegradable & EHS compliant.*
- *“Waterbase Inks” provides significant cost advantage over conventional inks.*
- *“Waterbase Inks” is compatible with all types of lamination process.*

3 X MORE MILEAGE

=

3 X MORE SAVINGS



Why Water Based Inks

- *Prints on wide range of substrates - plastic films and papers*
- *No Fire Hazards: No fire Insurance*
- *High Color Strength*
- *Environment Friendly*
- *Fast Drying at High Speed*
- *Bio - Degradable*
- *100 % Eco Friendly*
- *Green choice of gravure and flex printing.*
- *High Resolution and solids contents*
- *No Solvent Odour*
- *Ensures Greater Sustainability*
- *Cost Reduction by over 25%*
- *No Alteration & Modification of Press*
- *Better Printing Mileage*
- *No Compromise in Printing Speed*
- *Compatible With Solvent Less, Solvent Based, Water Based & Extrusion Lamination*

 **FIRE
PREVENTION**

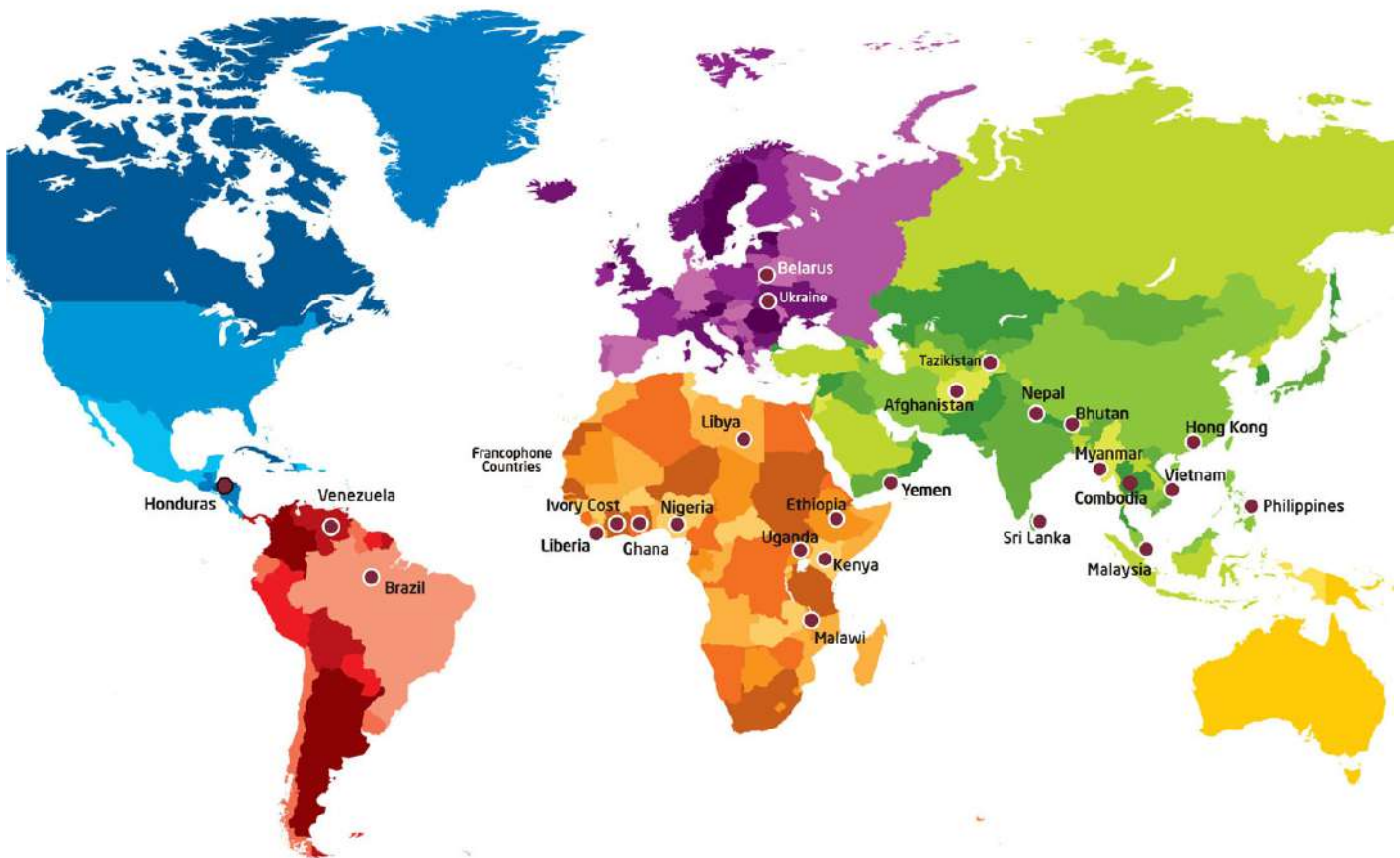


MORE
MILEAGE

Adheres to EHS standards

- *Non Depleting of Ozone Layers*
- *Non Polluting / Hazardous / Flamable / Toxic*
- *EHS Regulations Compliant*
- *Green Technology*
- *Clean Environment*
- *Safe Working Area*
- *Biodegradable*

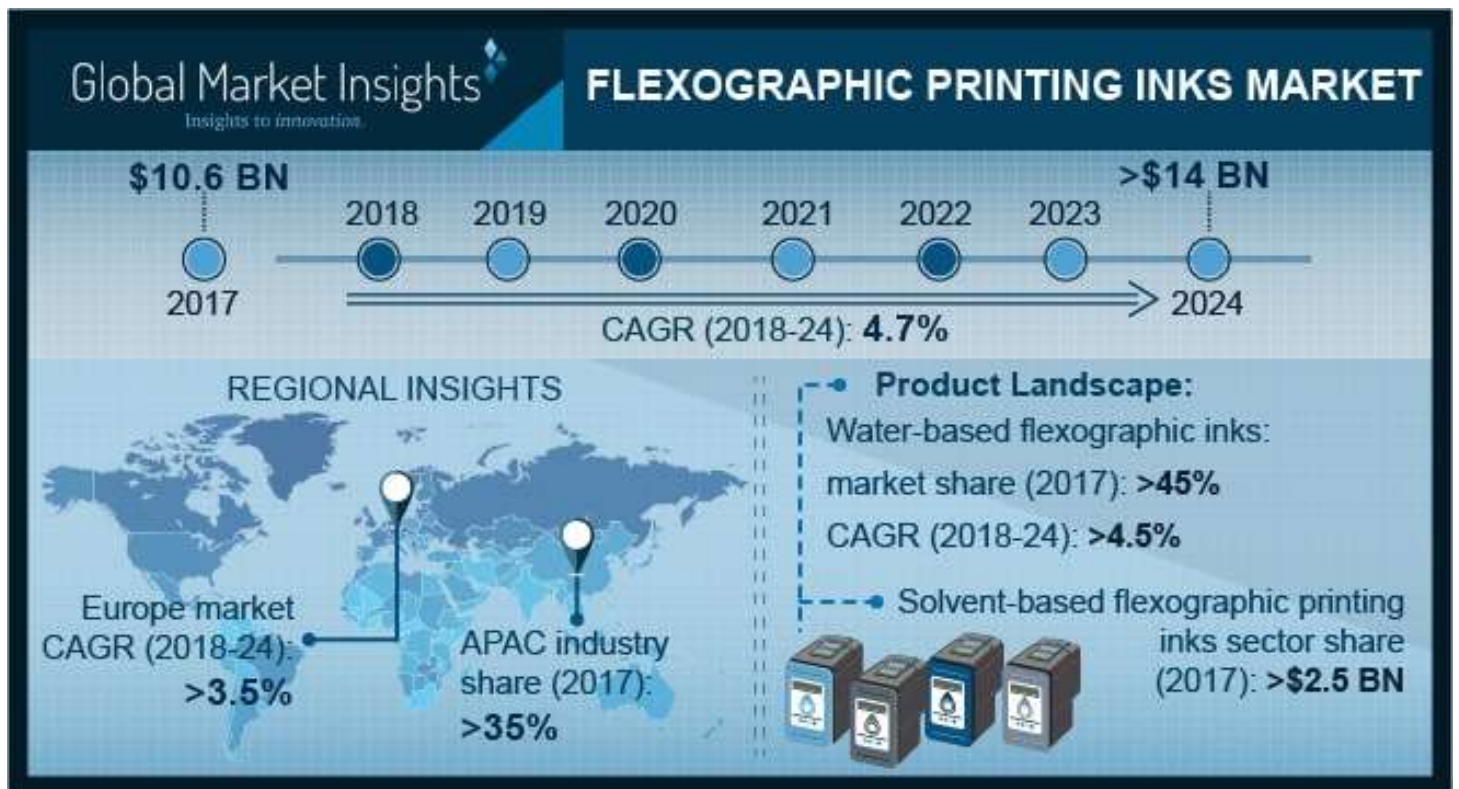
Our Global Exposure



Future Trends - Gov Regulations

- *Increasing EHS Awareness among People, Employees ,Consumers & Regulator Authorities .*
- *Government is the ultimate driver - More growth will come as there are more demands placed on printers and converters by federal, state & local governments*
- *Government regulations will indeed tighten - Enforcement is only going to go in one direction to insure EHS Compliant Processes.*

Global Trends

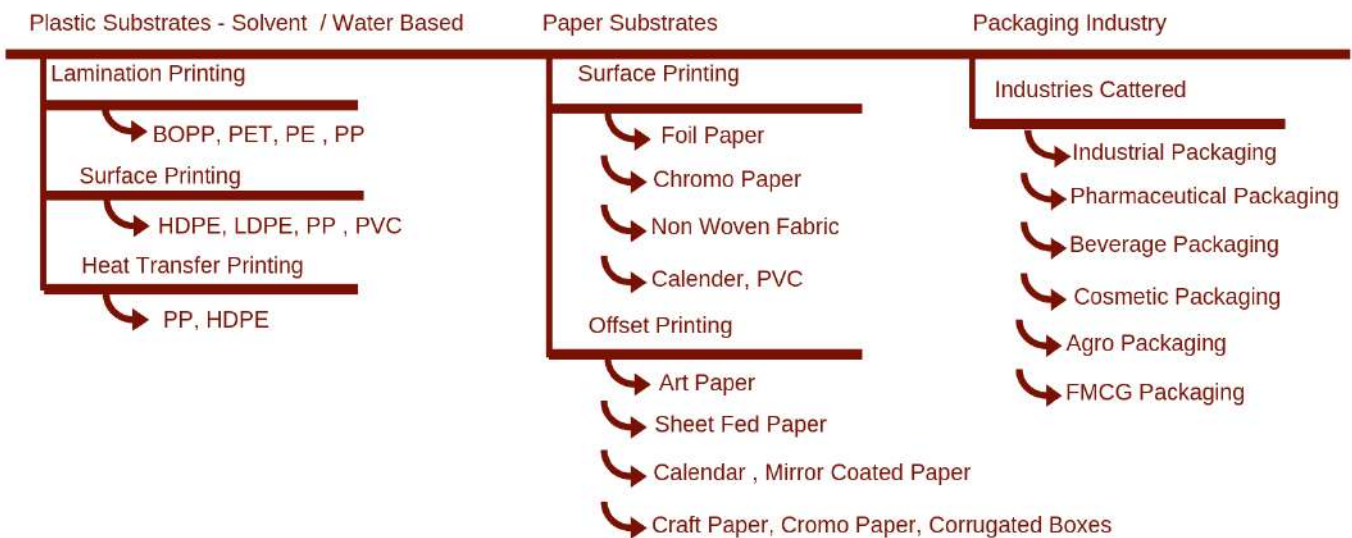


Printing Parameters

PARAMETERS	FLIM PRINTING	PAPER PRINTING	MILK POUCHES
SUPPLY FORM	LIQUID	LIQUID	LIQUID (2 PACK System)
pH	8-8.5	8-8.5	8-8.5
PRINTING SYSTEM	Reverse or Surface Gravure/Lamination	Surface Gravvure	Surface Gravure
PRINTING SPEED	200 mtr / min	200 mtr / min	200 mtr / min
FILM TREATMENT	43 - 45 Dynes	Not Applicable	43 - 45 Dynes
PRINTING VISCOSITY (f- cup 4)	20 to 25 sec	20 to 25 sec	20 to 25 sec
DRYING TEMPRATURE	65 degree centigrade	50 to 60 degree centigrade	65 degree centigrade
BLOWER SPEED	Max	Max	Max

Product Summary

Water & Solvent Based Inks for Non Absorbent Substrates & Packaging Industry



CONTACT US

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