

ENKANA



ENKANA PRINTING INKS

Established in 2005 is the largest Egyptian manufacturer of solvent based Flexographic & Gravure inks for flexible packaging applications.



ENKANA uses top of the line European machinery; ranging from high speed dissolvers to grinding mills; offering latest mixing & grinding technologies that enable the company to reach almost 6,000 tons per annum productivity.



The company has a highly qualified team of professional technicians, administrative staff, salesmen & top management; who have a long outstanding experience of more than 25 years in the field; which has brought ENKANA to a very competitive position in both local & international markets.



Vision

ENKANA aims to be the leading regional ink manufacturer in the Middle-East & North Africa; producing inks that can print on almost any substrate used on our every day's life; covering various printing technologies such as: Flexographic, Rotogravure, Can coating, Offset & Digital printing.



Mission

To provide superior quality inks to our customers; while at the same time maintaining full flexibility to service our clients with tailor-made formulations that can match their real needs at affordable cost and dedicated customer service; hence realizing the highest return on investment (ROI) for our customers and achieving customer loyalty.



Facilities

We adopt our production technology starting from dispersing to micro grinding, screening and filtering.

The factory consists of number of major areas:

- Production Areas
- R&D and QC labs
- Warehouses
- Administration offices



PRODUCTION:

Looking for new techniques to improve our production structure, has always been one of our Targets.

Due to its high technology and most modern equipment, Enkana printing inks is in position to guarantee high quality products and consistently of their chemical and physical features.

The selections of the personnel, carried out by the direction, and the training, are undertaken with such criteria to provide highly skilled technicians.

These characteristics have led to an extremely productive company, very versatile able to give an immediate answer back to continuously growing market demands.



Quality Control

Our technical department has established a series of standard tests for the quality evaluation of the raw materials used to avoid any possible problems during problems during manufacturing, in the same time in process control is existing to avoid any failure during processes.

Our final products are subjected to severe international standard tests for checking their quality level in accordance to the relevant standard

Enkana printing inks can provide with any production batch, the correct certification and guarantee of repeatability of their products.



Research and development:

A basic feature of our company is the continuous research for new solutions to improve our technological development in this specific field.

Consequently, a dedicated research and development department has been created to this aim, equipped with very modern and sophisticated instruments.

The staff is consisting of highly skilled technicians, with the task of studying alternative products, optimization of formulas in use and research of new application techniques.

Besides that, our laboratories can provide to our customers' technical assistance. special tests and explanations to any subjects.



Logistics & Warehousing

Our large storage areas, together with a fast and efficient organization guarantees order fulfillment in extremely short times.

Very flexible preparation systems provide also proper methods of packaging with a wide variety of packages to satisfy any requirements.

Delivery to destination is guaranteed by Enkana printing inks exclusive express carriers, controlled and coordinated by a dedicated shipping department.



Certificates



Enkana offers a well-diversified product portfolio that serves a wide array of markets.



SALES AND TECHNICAL SUPPORT TEAM:

Our Sales team is always exploring new opportunities and working to create significant values to our customers in order to have a large network within the industry.

As a member of the sales team of Enkana printing inks you will be required to uphold partner relationships with existing customers as well as finding and forming relationships with potential customers.

Technical supports within Enkana printing inks are also equally dedicated to the customers.

Positions in our sales and technical support teams are geared towards ambitious, proactive individuals who are committed to the customer and their wants and need

Quality Policy Statement



Enkana enjoys a solid base of reputable clients,



Enkana has been expanding its regional footprint; exporting to neighboring countries like Morocco, Tunisia, Algeria, Lebanon, Jordan, Yemen, Sudan, Kenya and UAE, besides having its own representative office “DUTEC” in Dubai; covering the gulf region.



PRODUCTS

Enkana Products Serve a wide variety of market segments:

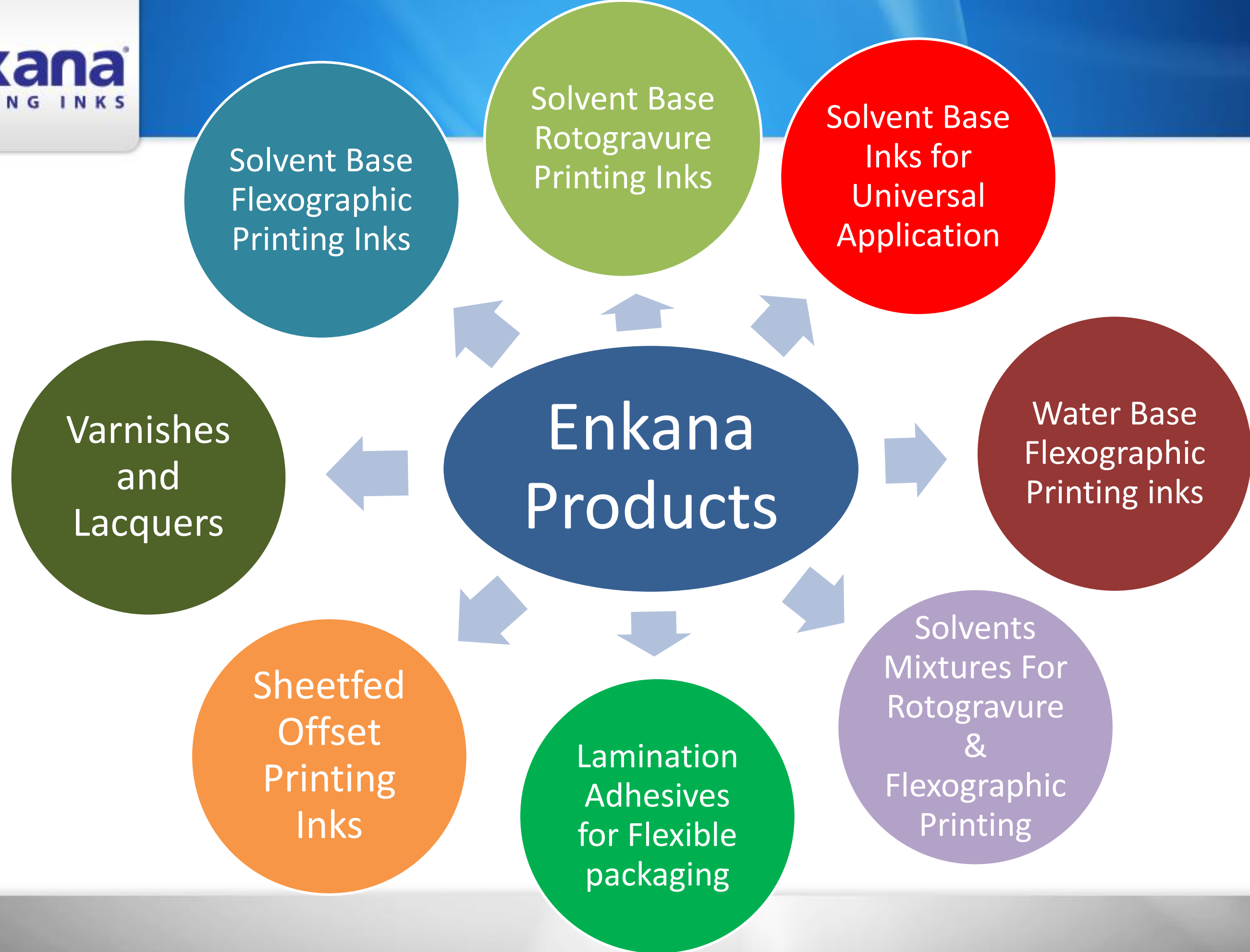
Flexible Packaging

Shopping Bags

Market Segment

Paper & Board

Books & Magazines



SOLVENT BASE FLEXO INKS

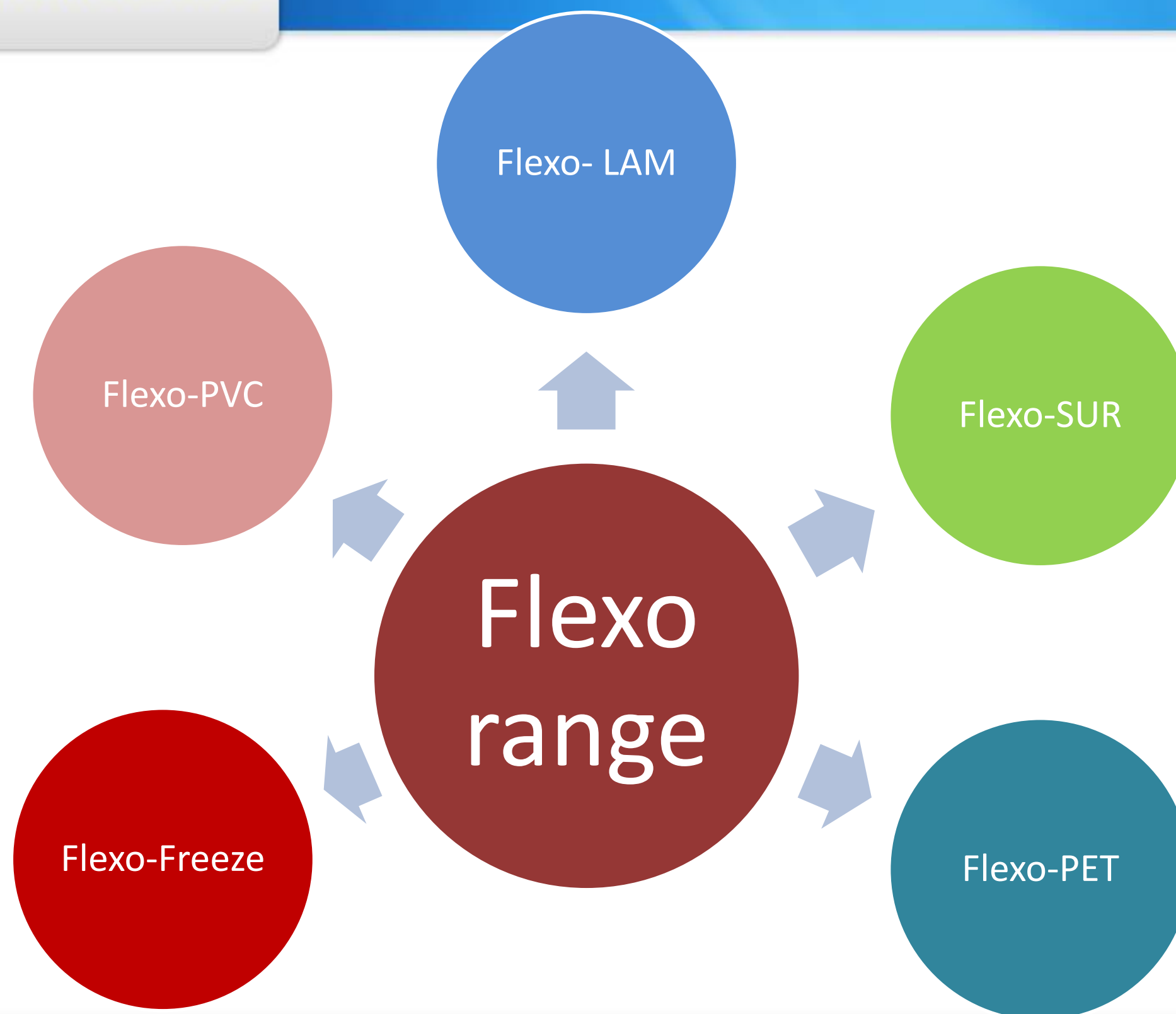
- Range of Nitrocellulose (NC) based products developed and optimized for high quality flexographic printing.
- Designed for surface print and lamination on several substrates providing optimum performance levels.
- Developed to be the flexographic ink technology for today's demanding technical and legal compliance.
- Defined to meet the upcoming challenges of the modern packaging industry.



Suitable Applications and Substrates:

- Bags (carrier bags, heavy duty sacks, industrial application)
- Confectionary (twist wrapper, cold seal packaging)
- Hygienic packaging
- Frozen foods
- Label and Sleeves
- Paper (banderole, giftwrap,...)
- Aluminum (lids, blister)
- Surface print
- Lamination work (duplex, triplex) in combination with SB and SF adhesives
- Polyolefin films, Polyester, Polyamide, Paper





FLEXO - LAM

Printing process	Printing Technique	Binder Type
Flexographic	Lamination	NC/PU

Applications

Aluminum lid, Confectionery, Instant Drinks, Pasta & Dry Food, Snacks & Chips, Stand Up Pouches

Substrates

Paper, LDPE, LLDPE, BOPP, CPP, PET, Metallized Film (Lacquered)

Heat Resistance

160-200 C

Colors



Note:

Additional color shades are available upon request.



FLEXO - SUR

Printing process	Printing Technique	Binder Type
Flexographic	SURFACE	NC/PU

Applications

Bakery & Bread Bags, Detergents, Flowers Sleeves, General Overwrap, Soda Drinks & Mineral Water, Adhesive Tapes

Substrates

Paper, LDPE, LLDPE, BOPP, CPP, PET (chemical treated)

Heat Resistance

160 -180 C

Colors



Note:

Additional color shades are available upon request.



FLEXO - PVC

Printing process	Printing Technique	Binder Type
Flexographic	SURFACE	NC/AC

Applications

Yogurt Drinks, Shrink Sleeves, Medical Products

Substrates

PVC, PET, Aluminum Foil, Aluminum Sheet

Heat Resistance

200 - 220 C

Colors



Note:

Additional color shades are available upon request.



FLEXO - PET

Printing process	Printing Technique	Binder Type
Flexographic	SURFACE/REVERSE	NC/AC

Applications

Dry Food, Snacks & Chips, Coffee, Tissues

Substrates

PET (corona treated)

Heat Resistance

200 -220 C

Colors



Note:

Additional color shades are available upon request.



FLEXO - FREEZE

Printing process	Printing Technique	Binder Type
Flexographic	Lamination	NC/AC

Applications

Frozen Food, Ice Cream

Substrates

Paper, LDPE, HDPE, BOPP, CPP, PET, Metallized Film (Lacquered), Aluminum Foil (Lacquered)

Heat Resistance

180 - 220 C

Colors



Note:

Additional color shades are available upon request.



SOLVENT BASE ROTO INKS

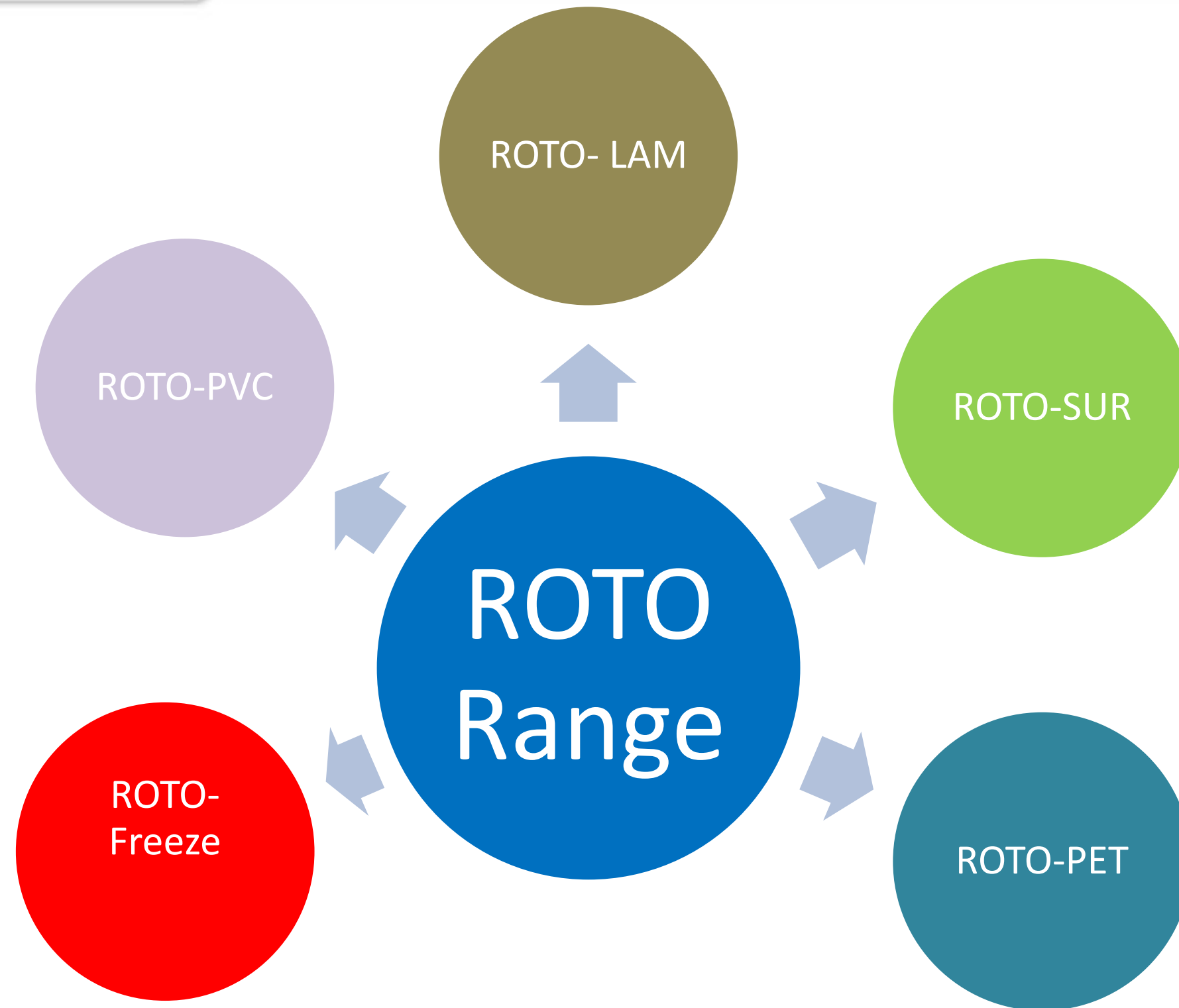
- Range of Nitrocellulose (NC) based products developed and optimized for high quality gravure printing.
- Designed for surface print and lamination on several substrates providing optimum performance levels.
- Developed to be the gravure ink technology for today's demanding technical and legal compliance.
- Defined to meet the upcoming challenges of the modern packaging industry.



Suitable Applications and Substrates:

- Confectionary (twist wrapper, cold seal packaging)
- Hygienic packaging
- Frozen foods
- Label and Sleeves
- Paper (banderole, giftwrap,...)
- Aluminum (lids, blister)
- Surface print
- Lamination work (duplex, triplex) in combination with SB and SF adhesives
- Polyolefin films, Polyester, Polyamide, Aluminum, Paper





ROTO - LAM

Printing Process	Printing Technique	Binder Type
Rotogravure	Lamination	NC

Applications

Aluminum lid, Confectionery, Instant Drinks, Pasta & Dry Food, Snacks & Chips, Stand Up Pouches

Substrates

Paper, LDPE, LLDPE, BOPP, CPP, PET, Metallized Film (Lacquered)

Heat Resistance

160 – 180 C

Colors



Note:

Additional color shades are available upon request.



ROTO - SUR

Printing Process	Printing Technique	Binder Type
Rotogravure	Surface	NC

Applications

Bakery & Bread Bags, Detergents, Flowers Sleeves, General Overwrap, Soda Drinks & Mineral Water, Adhesive Tapes

Substrates

Paper, LDPE, LLDPE, BOPP, CPP, PET (chemical treated)

Heat Resistance

160 -180 C

Colors



Note:

Additional color shades are available upon request.



ROTO - PVC

Printing Process	Printing Technique	Binder Type
Roto/Flexo	Reverse/Surface	AC

Applications

Yogurt Drinks, Shrink Sleeves, Medical Products

Substrates

PVC, PET, Aluminum Foil, Aluminum Sheet

Heat Resistance

200 - 220 C

Colors



Note:

Additional color shades are available upon request.



ROTO - PET

Printing Process	Printing Technique	Binder Type
Rotogravure	Surface	NC

Applications

Dry Food, Snacks & Chips, Coffee, Tissues

Substrates

PET (corona treated)

Heat Resistance

200 -220 C

Colors



Note:

Additional color shades are available upon request.



ROTO - FREEZE

Printing Process	Printing Technique	Binder Type
Rotogravure	Lamination	NC

Applications

Frozen Food, Ice Cream

Substrates

Paper, LDPE, HDPE, BOPP, CPP, PET, Metallized Film (Lacquered), Aluminum Foil (Lacquered)

Heat Resistance

180 - 220 C

Colors



Note:

Additional color shades are available upon request.



SOLVENT BASE UNIVERSAL “ROTOFLEX INKS”

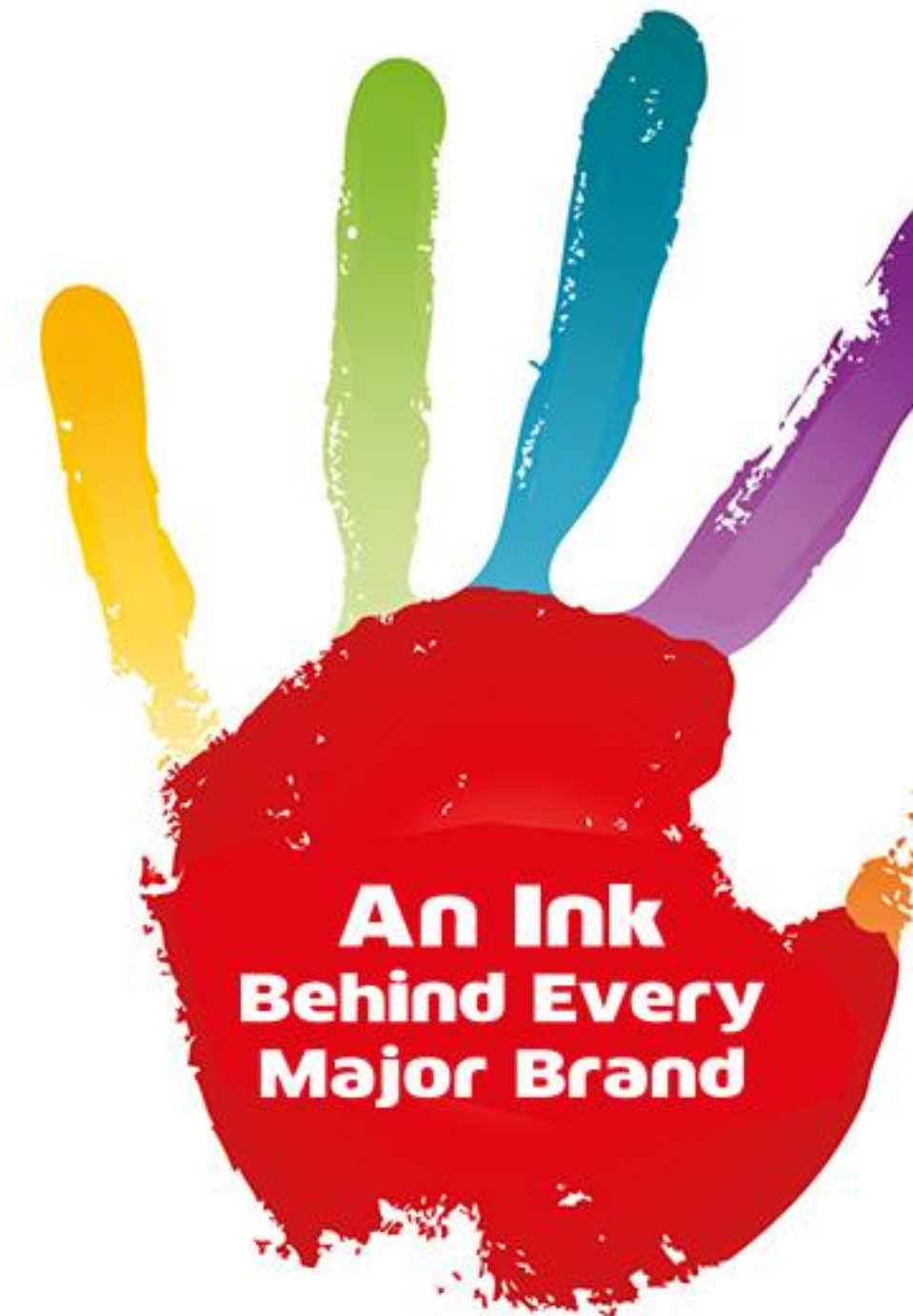
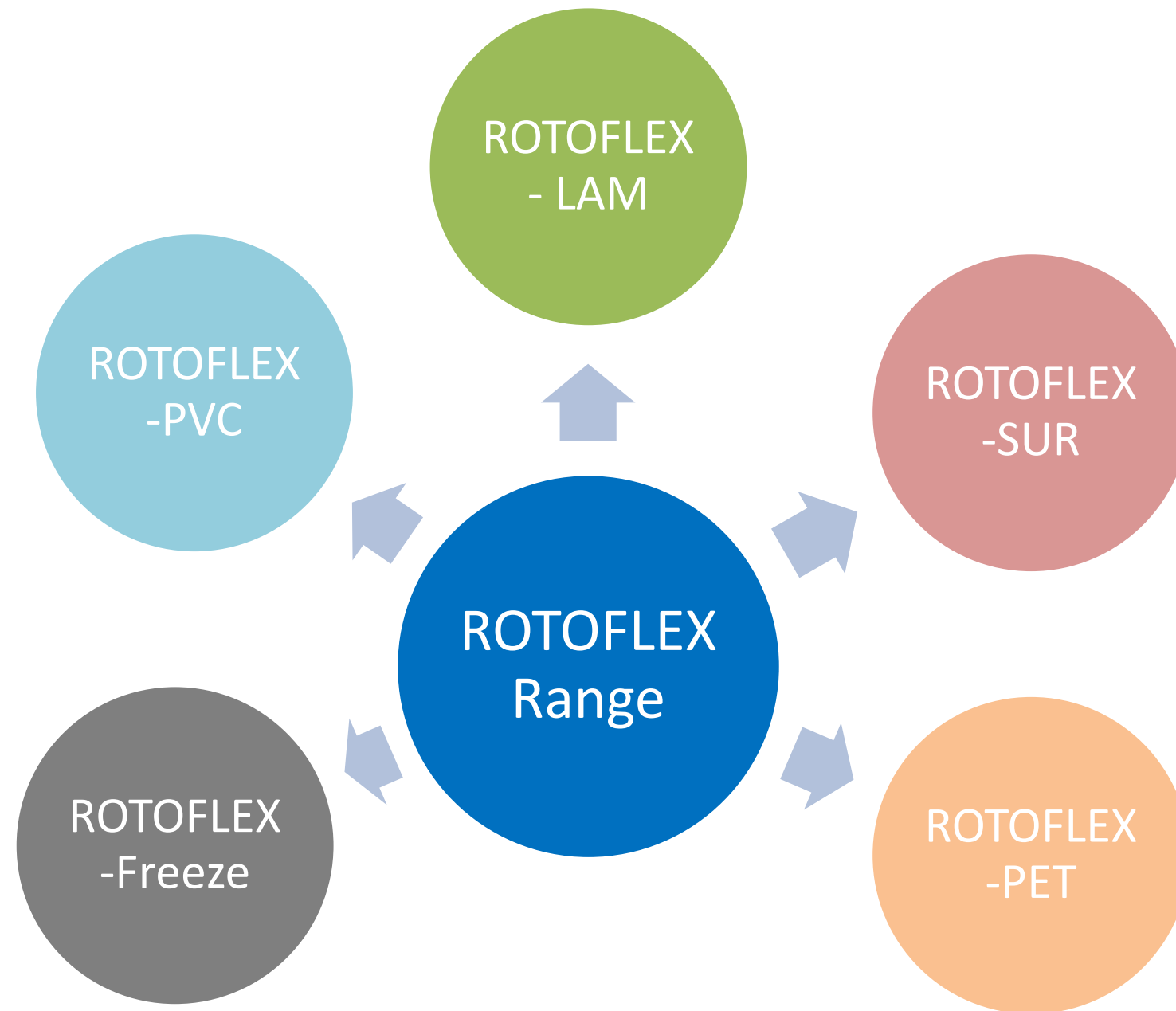
- Range of Nitrocellulose (NC) based products developed and optimized for high quality gravure & Flexographic printing.
- Designed for surface print and lamination on several substrates providing optimum performance levels.
- Developed to be the gravure and Flexographic ink technology for today's demanding technical and legal compliance.
- Defined to meet the upcoming challenges of the modern packaging industry.



Suitable Applications and Substrates:

- Bags (carrier bags, heavy duty sacks, industrial application)
- Confectionary (twist wrapper, cold seal packaging)
- Hygienic packaging
- Frozen foods
- Label and Sleeves
- Paper (banderole, giftwrap,...)
- Aluminum (lids, blister)
- Surface print
- Lamination work (duplex, triplex) in combination with SB and SF adhesives
- Polyolefin films, Polyester, Polyamide, Paper





ROTOFLEX - LAM

Printing Process	Printing Technique	Binder Type
Roto/Flexo	Lamination	NC

Applications

Aluminum lid, Confectionery, Instant Drinks, Pasta & Dry Food, Snacks & Chips, Stand Up Pouches

Substrates

Paper, LDPE, LLDPE, BOPP, CPP, PET, Metallized Film (Lacquered)

Heat Resistance

160- 180 C

Colors



Note:

Additional color shades are available upon request.



ROTOFLEX - SUR

Printing Process	Printing Technique	Binder Type
Roto/Flexo	Surface	NC

Applications

Bakery & Bread Bags, Detergents, Flowers Sleeves, General Overwrap, Soda Drinks & Mineral Water, Adhesive Tapes

Substrates

Paper, LDPE, LLDPE, BOPP, CPP, PET (chemical treated)

Heat Resistance

160 -180 C

Colors



Note:

Additional color shades are available upon request.



ROTOFLEX - PVC

Printing Process	Printing Technique	Binder Type
Roto/Flexo	Reverse/Surface	AC

Applications

Yogurt Drinks, Shrink Sleeves, Medical Products

Substrates

PVC, PET, Aluminum Foil, Aluminum Sheet

Heat Resistance

200 - 220 C

Colors



Note:

Additional color shades are available upon request.



ROTOFLEX - PET

Printing Process	Printing Technique	Binder Type
Roto/Flexo	Surface	NC

Applications

Dry Food, Snacks & Chips, Coffee, Tissues

Substrates

PET (corona treated)

Heat Resistance

200 -220 C

Colors



Note:

Additional color shades are available upon request.



ROTOFLEX - FREZZE

Printing Process	Printing Technique	Binder Type
Roto/Flexo	Lamination	NC

Applications

Frozen Food, Ice Cream

Substrates

Paper, LDPE, HDPE, BOPP, CPP, PET, Metallized Film (Lacquered), Aluminum Foil (Lacquered)

Heat Resistance

180 - 220

Colors



Note:

Additional color shades are available upon request.



SOLVENT BASE POLYAMIDE INKS:

POLYFLEX

Printing Process	Printing Technique	Binder Type
Flexographic	Surface	PA

Applications

PP/PE bags/sacks, woven bags/sacks

Substrates

Paper, LDPE, LLDPE, HDPE, BOPP, CPP

Heat Resistance

110 -120 C

Colors



Note:

Additional color shades are available upon request.



SOLVENTS

As Enkana has the full capabilities to control and select the most suitable mixture of solvents used for liquid inks.

Enkana offer a wide variety of all mixed solvents required for liquid inks used either in Rotogravure or Flexographic printing.



SOLVENTS:

- Diluent EA : Mixture of solvents used for diluting Liquid inks for rotogravure applications.
- Diluent RF: Mixture of solvents used for diluting NC Liquid inks for Flexographic. applications.
- Diluent MP: Mixture of solvents used for reducing the printing speed for NC Liquid inks used in both Rotogravure & Flexographic printing.
- Diluent IB: Mixture of solvents used for diluting PA liquid inks for Flexographic applications.



LAMINATION ADHESIVES FOR FLEXIBLE PACKAGING

Our solvent-free and solvent-based flexible packaging laminating adhesives formulations deliver high performance in a complex and fast-growing market.

As [flexible packaging](#) requirements keep pace with consumer demand, our technical and market experts partner with customers to provide the widest range of performance and regulatory clearance.



Product Name	Family Name	Product Features/Description
Flex-Pack SB-3406 A/SB-3406 C	Polyurethanes	Flex-Pack SB 3406 A / SB 3406 C is a solvent based two Component polyurethane laminating adhesive.
Flex-Pack SB-5000 A/SB-5000 C	Polyurethanes	Flex-Pack SB 5000 A / SB 5000 C is a solvent based two Component polyurethane laminating adhesive.
Flex-Pack SL-737 A / SL-737 C	Polyurethanes	SL737 A / SL737 C is a solvent free two component polyurethane laminating adhesive.
Flex-Pack SL-738 A / SL-738 C	Polyurethanes	SL738 A / SL738 C is a solvent free two component polyurethane laminating adhesive.
Flex-Pack SB-6042 A/SB-6042 C	Polyurethanes	Flex-Pack SB 6042 A / SB 6042 C is a solvent based two Component polyurethane laminating adhesive.
Flex-Pack SB-7000 A/SB-7000 C	Polyurethanes	Flex-Pack SB 7000 A / SB 7000 C is a solvent based two Component polyurethane laminating adhesive.
Flex-Pack SL-740 A / SL-740 C	Polyurethanes	SL740 A / SL740 C is a solvent free two component polyurethane laminating adhesive.

WATER BASE FLEXOGRAPHIC INKS

HYDROFLEX SERIES

From top raw materials manufacturers worldwide, Enkana produces all different types and grades of water based inks including Overprint Varnishes and Flexographic inks.

Enkana has a well-skilled technical staff that could fulfill all requirements of customers related to processing, application, color shade, physical and other properties.



FLEXOGRAPHIC INK

Printing Process	Printing Technique	Binder Type
Flexo	Surface Printing	Acrylic Co-polymer

Application:

Paper and paperboard —Cement Kraft sacks —Paper Bags-Brown Folding Boxes.

Substrates:

Uncoated paper (Virgin Kraft or recycled paper)



Over-printing varnish

Printing Process	Printing Technique	Binder Type
Flexo/ Offset	Over Printing	Acrylic Co-polymer

Applications:

Medical products — Electrical Devices-Confectionary Boxes-Detergents.

Substrates:

Coated paper (Duplex and Triplex).



The Egyptian Sheetfed Offset Printing & Packaging Market

- Although it is one of the oldest and facing a very tough challenges from digital printing it is still one of the largest markets in Egypt and MENA region.
- Folded carton boxes, Books and magazines are manufactured from printing paper and duplex paperboard.
- White wood free and printing paper consumption totaled 1,500,000 MT in 2017.
- Duplex board. Grey back and white back, are used to produce better quality carton boxes for the cigarette, cosmetic and pharmaceutical industries. During 2017, Egypt consumed approximately 600,000 MT of duplex board.



Sheetfed Offset Inks Matrix

Conventional Inks

Process Inks - Standard
Process Inks - Special
Black Inks - Special
Bases & Spot Inks
Metallic Inks

Conventional Varnishes

Water Based
Oil Based

UV Inks & Varnishes

Process Inks
Base Colour Inks
Varnishes



THANK YOU