

Packaging, Metal Container, Tin, Corrugated Box, Paper, Food Packaging, Can, Printing, Offset, Gravure, Flexo, Screen, Printing Ink, Pulp & Paper Conversion Industry

Modern Printing Technology

Author: NIIR Board

Format: Paperback

Book Code: NI4

Pages: 152

ISBN: 8186623221

Price: Rs. 250.00 US\$ 50.00

Printing is one of those inventions that have revolutionized our world and is the most important fundamental practices in our society. Nothing is more essential to civilization intellectually or commercially, than printing. Printing is widely used in our society to pass on information and to decorate objects. Printing is a process for reproducing text and images, typically with ink on paper using a printing press. It is often carried out as a large scale industrial process, and is an essential part of publishing and transaction printing. There are various types of printing methods such as screen printing, offset printing, rotogravure printing etc. Offset printing is a widely used printing technique where the inked image is transferred (or offset) from a plate to a rubber blanket, then to the printing surface. There is an enormous growth being witnessed in the printing industry. The emergence of the retail revolution and growing education across the country is acting as a fuel to the growth of the printing industry. The Indian Printing Industry is well established and presently growing at 12% per annum. This book provides you details about the various methods and techniques involves in modern printing technology. Some of the fundamentals of the book are multi colours, paper publishing unit, screen printing, offset printing press, rotogravure printing, desk top publishing, computer forms and security printing press, printing inks, ink for hot stamping foil, aluminium printing plate for offset printing machine, screen printing on cotton, polyester and acrylics. The book also covers process, project profiles of different types of printings and printing inks manufacturing along with sources of machinery and raw materials. The book provides you with comprehensive information on modern printing technology. Basic information in entering a market and the opportunities and requirements of the potential sector has been the best way to penetrate in a market. How and what if properly answered can take you to a long way. The first hand information on different types of modern printing technology has been properly dealt in the book and can be very resourceful for those looking for entrepreneurship opportunity in this sector.



[Handbook on Modern Packaging Industries \(2nd Revised Edition\)](#)

Author: NIIR Board

Format: Paperback

Book Code: NI72

Pages: 848

ISBN: 9788178330860

Price: Rs. 1,675.00 **US\$** 150.00



Packaging is a means of ensuring the safe delivery of a product to the ultimate consumer in a sound condition at the minimal overall cost. Packaging not only differentiates one brand from another but also, at times, gives a preview of the product being sold. Although it is a subject of recent technological origin, the art of packaging is as old as the primitive humans. Packaging is the science, art, and technology of enclosing or protecting products for distribution, storage, sale, and use, also refers to the process of design, evaluation, and production of packages and can be described as a coordinated system of preparing goods for transport, warehousing, logistics, sale, and end use. Packaging contains, protects, preserves, transports, informs, and sells. In many countries it is fully integrated into government, business, institutional, industrial, and personal use. The continual technological growth systems have undergone significant changes in recent years. A lot of packaging process has been streamlined to give a more scientific and rational approach. The role of packaging continues from the coordinated system of preparing goods to the end use. It has become a big tool for launching new specific products in different shapes and sizes. The packaging industrial growth has led to greater specialization and sophistication from the point of view of health (in the case of packaged foods and medicines) and environment friendliness of packing material. The demands on the packaging industry are challenging, given the increasing environmental awareness among communities. The packaging industry is growing at the rate of 22 to 25 per cent per annum thus is to play a unique role in preserving the wealth or value created by many industries. This book describes the techniques and process behind packaging of different specific products which are used in our day to day life. The specific products include cereal, spices, edible oils, drinking water, chocolate and confectionery, fruits and vegetables, marine products and many more. Some of the vital contents of the book are adhesives for packaging industries, factors affecting adhesion, tin plate containers for foods, pharmaceuticals and cosmetics, tin plate usage in packaging, packaging of cereals and cereal products, trends in packaging of spices and spice products, packaging of edible oils, vanaspati and ghee, metal containers for food packaging, packaging aspects of sugar and chocolate confectionery, packaging for irradiated foods, packing of meat & meat products in tin containers etc. This book is an invaluable resource for all its readers, entrepreneurs, scientists, existing industries, technical institution, etc in the field of packaging.

[Handbook on Printing Technology \(Offset, Flexo, Gravure, Screen, Digital, 3D Printing\) 3rd Revised Edition](#)

Author: NIIR Board of Consultants & Engineers

Format: Paperback

Book Code: NI73

Pages: 568

ISBN: 9788178331768

Price: Rs. 1,495.00 US\$ 150.00



Printing is a process of producing copies of text and pictures. Modern technology is radically changing the way publications are printed, inventoried and distributed. There are a wide variety of technologies that are used to print stuff. The main industrial printing processes are: Offset Lithography, Flexography, Digital Printing (Inkjet & Xerography), Gravure, Screen Printing. 3D printing which is also referred as additive printing technology that enables manufacturers to develop objects using a digital file and variety of printing materials. Global market for 3D printing material include polymers, metals and ceramics. In addition, 3D printing offers a wide array of applications in various industries, namely consumer products, industrial products, defense & aerospace, automotive, healthcare, education & research and others. In India, the market for printing technology is at its nascent stage; however offers huge growth opportunities in the coming years. Digital printing is now taking much more share, particularly in graphics (i.e. non-packaging applications). Digital's share of the whole market doubles in constant value terms from 9.5% to 19.7% and 3D printing market is estimated to garner \$8.6 billion in coming years. This handbook is designed for use by everyone engaged in the printing section and students who are pursuing their career in printing technology. It provide all information on modern printing methods, techniques, testing's for printing, application of different printing and machinery used for printing. The major content of the book are Principles of Contact (Impression), Principles of Noncontact Printing, Coated Grades and Commercial Printing, Tests for Gravure Printing, Tests for Letterpress Printing, Tests for Offset Printing, Screen Printing, Application of Screen Printing, Offset Lithography, Planography, Materials, Tools and Equipments, Sheetfed Offset Machines, Web Offset Machines, Colour and its Reproduction, Quality Control in Printing, Flexography, Rotogravure, Creative Frees Printer, Shaftless Spearheads Expansion, Digital Printing, 3D Printing, 3D Printing Machinery and Photographs of Machinery with Suppliers Contact Details. This book will be a mile stone for its readers who are new to this sector, will also find useful for professionals, entrepreneurs, those studying and researching in this important area.

[Modern Technology of Printing & Writing Inks \(with Formulae & Processes\) 2nd Revised Edition](#)

Author: NIIR Board of Consultants & Engineers

Format: Paperback

Book Code: NI75

Pages: 480

ISBN: 9788178330822

Price: Rs. 1,475.00 US\$ 150.00



Ink is a liquid or paste that contains pigments or dyes and is used to colour a surface to produce an image, text, or design. Ink is used for drawing or writing with a pen, brush, or quill. Thicker inks, in paste form, are used extensively in letterpress and lithographic printing. Ink can be a complex medium, composed of solvents, pigments, dyes, resins, lubricants, solubilizers, surfactants, particulate matter, fluorescents, and other materials. The components of inks serve many purposes; the ink's carrier, colorants, and other additives affect the flow and thickness of the ink and its appearance when dry. India is among the fast growing printing & writing ink markets globally spurred by the rapid expansion of the domestic print markets. Backed by a strong demand from key end user segments such as package printing, newsprint, publishing and other commercial printing, the printing ink market in India has registered strong growth over the years. The printing ink industry is fragmented with hundreds of manufacturers and a large number of players in the unorganised sector. Printing ink sector in India witnessed a growth of around 7.5% per annum during the Past years. Printed packaging accounts for around 27% of the demand for printing inks in India followed by newspapers at 20%. Commercial printing/promotional and printed advertising together account for around 19% of the demand. Other key end user segments for printing inks include books and stationery. With the print sector forecast to grow at around 8% per annum, in coming years, printing ink segment is expected to grow strongly. This handbook is designed for use by everyone engaged in the printing & writing ink industry and the associated industries. It provides all the information required by the ink technical for the day-to-day formulation of inks. It supplies the details of the manufacturing methods, including large-scale production, and gives guidance on achieving quality assessment and total quality management specifications. The book also describes properties and uses of the raw materials used in the formulation of printing & writing inks. The major content of the book are the colour and colour matching, raw materials, printing inks, ink formulations, applications problems, writing inks, project profile, how to estimate, order & handle ink, testing of writing & miscellaneous inks, testing of printing inks, rollers, waterborne inkjet inks. The book contains addresses of raw material suppliers, plant & machinery suppliers with their Photographs. This book will be a mile stone for the entrepreneurs, existing units, libraries etc.

[Food Packaging Technology Handbook \(2nd Revised Edition\)](#)

Author: NIIR Board

Format: Paperback

Book Code: NI93

Pages: 749

ISBN: 9789381039090

Price: Rs. 1,475.00 **US\$** 150.00



Food packaging technology is primarily concerned with packaging activities regarding protection of food products from biological, physical or chemical agents. With the growth of modern civilization, people are getting more concerned with hygiene and quality of the food. As a result of that, food packaging is gradually setting up its stand to contend with other industries. The importance of food packaging hardly needs emphasizing since only a handful of foods are sold in an unpackaged state. Packaging is the science, art, and technology of enclosing or protecting products for distribution, storage, sale, and use. Packaging also refers to the process of design, evaluation, and production of packages. Packaging can be described as a coordinated system of preparing goods for transport, warehousing, logistics, sale, and end use. Packaging contains, protects, preserves, transports, informs, and sells. With an increasing focus on sustainability and cost effectiveness, responsible companies no longer want to over package their food products, yet many remain unsure just where reductions can effectively be made. In near future it is going to be a booming industry. Food packaging can functionally be subdivided into five parts, which are containment, protection, communication, functionality, environmental and safety issues. The packaging industry's growth has led to greater specialization and sophistication from the point of view of health and environment friendliness of packing material. The demand on the packaging industry is challenging, given the increasing environmental awareness among communities. The food packaging industry is growing at the rate of 22 to 25 per cent per annum. In near future it is going to be a booming industry. This book majorly deals with food adulteration and food quality control, strategy for achieving, success in food packaging, packaging materials for processed foods, food additives, trend of carbonated and still beverage spoilage, examination of canned foods, international food packaging, standard related to food safety, aseptic packaging of foodstuffs, computer aided graphic design in food packaging, thermal process determination, designing of thermal process for low acid foods, modified atmosphere packaging etc. Along with these features the book also encloses the description of equipments and machineries used in food processing and preservation with diagrams. This book also contains photographs of equipments and machineries used in food packaging. This book gives comprehensive account of food packaging, which is the most important part to preserve the food for a long time. The present volume has been written primarily for the benefit of new entrepreneurs, technologists, technical libraries and for those who want to diversify in the field of food industry.

[Modern Technology of Pulp, Paper and Paper Conversion Industries](#)

Author: NIIR Board of Consultants and Engineers

Format: Paperback

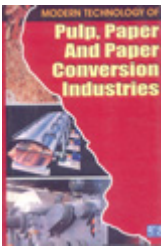
Book Code: NI104

Pages: 568

ISBN: 817833044X

Price: Rs. 1,000.00 US\$ 100.00

The paper conversion sectors are assuming increasingly important place in the life of every nation. Conversion technology is being evolved continuously for having better conversion, handling, transportation, preservation and usage of materials. Paper and Pulp industry plays a vital role towards conversion. Pulping is a process of delignification removing lignin from wood while leaving cellulose fibres intact. Pulp and paper can be produced from many resources like; Eta Reed, bamboo, bagasse, elephant grass, etc. Growing population and increased demand of paper products has created raw material shortage all over the world especially in developing countries. Consequently agricultural residues and farm wastes are the only hope for further pulp papermaking in these countries. However, technology is evolving that holds promise for using waste or recycled paper and, in some cases, even plastics to make an array of high performance composite products that are in themselves potentially recyclable. Pulp and paper industry is one of the largest industries in India today, which consumes huge quantity of water. As the product does not contain any water most of the water used in the process reappears as waste. Therefore the waste water is used in crop irrigation which will solve both problems i.e. industrial waste solution and irrigation. The Indian paper industry has close linkages with economic growth as higher industrial output leads to increased demand for industrial paper for packaging, increased marketing spend benefits the newsprint and value added segments, and increased education and office activities increase demand for writing and printing paper. It is estimated that there is an economic growth of 8.5% for India which will benefit the demand for paper. The major contents of the book are dry process hard boards from recycled newsprint paper fibres, abrasive kraft base paper from sun hemp (*crotolaria jauncia*), production of soda semi chemical pulp from *sesbania sesban* (linn.) merr., high yield pulps from eta reed, the influence of clay addition on flotation deinking, alternative uses for waste/paper in wood based composite products, deinking of flexo graphic newsprint: use of ultra filtration to close the water loop etc. This book also consists of alkaline pulping chemistry, manufacturers, suppliers of plant & machinery and allied products, manufacturers and suppliers of raw materials, imported pulp manufacturers & suppliers imported pulp, Indian agents for imported pulp etc. In view of the close linkage between paper and conversion industry we have tried to come out with this unique book containing relevant and useful information in both these industries. We have tried to make it most exhaustive first giving details, then presenting and dividing in different chapter to understand better. Thus we have tried to fill the vacuum that existed fill now. This book will be useful for paper chemists as well as conversion industries.



[The Complete Technology Book on Pulp & Paper Industries](#)

Author: NIIR Board of Consultants and Engineers

Format: Paperback

Book Code: NI105

Pages: 602

ISBN: 8178330431

Price: Rs. 1,100.00 **US\$** 125.00



The pulp and paper industry continues to expand at a phenomenal rate and it has an important role to play on the Indian economy. This imposes a difficult problem of selection. Since the amount of material that can be included in a single volume is obviously limited. Careful thought has been given to the selection with the purpose of presenting that material which will be of the greatest interest to the greatest numbers. Paper is one of the major components of urban solid waste (household and commercial waste) and has a potential resource value when collected and reused. Recycling of the waste paper has been a practice that has prevailed in the paper industry since its inception and therefore continues. The preservation of forests and increasing environmental awareness has focussed research on exploration of new fibrous resources and less toxic pulping and bleaching processes. The use of non woody already account for 9.1% of total world papermaking capacity. A variety of non woody plant fibres are used for papermaking. Paper converting refers to the processing of raw paper to produce improved grade of paper or a finished paper article. There are two types of paper converting; wet converting and dry converting. The Indian paper industry has close linkages with economic growth as higher industrial output leads to increased demand for industrial paper for packaging, increased marketing spend benefits the newsprint and value added segments, and increased education and office activities increase demand for writing and printing paper. It is estimated that there is an economic growth of 8.5% for India which will benefit the demand for paper. This book basically comprises of bio refiner mechanical pulping of bast type fibres, use of trichromatic colourimetry for measurement of brightness and yellowness of bleached pulps, finishing and converting, coating equipment, chemical and additives in papermaking, mixed pulping of jute stick and other agricultural residues etc. This book also comprises of the list of manufacturers, suppliers of plant & machinery and allied products, list of manufacturers and suppliers of raw materials, imported pulp manufacturers & suppliers imported pulp, Indian agents for imported pulp etc. This informative book will be helpful for paper technologist, paper chemists and scientists related to paper field.

[The Complete Technology Book on Printing Inks](#)

Author: NIIR Board

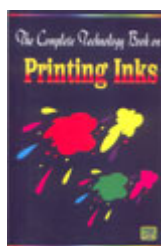
Format: Paperback

Book Code: NI109

Pages: 640

ISBN: 8178330482

Price: Rs. 1,000.00 **US\$** 100.00



The beginning of ink making is something of a mystery. It is certain however, that the development of the art of writing preceded the invention of ink by almost a thousand years. Today inks are divided into two classes: printing inks and writing inks. Printing is a process for reproducing text and images, typically with ink on paper using a printing press. It is often carried out as a large scale industrial process, and is an essential part of publishing and transaction printing. Different techniques and printing equipments are employed for each printing practices. The demand for innovative printing practices has been on a high in recent times. There are various kinds of printing processes; lithographic process, the gravure process, offset printing process etc. different types of inks derived from different processes are ball pen inks, bleachable inks, fluorescent inks, fast drying ink, automatic press inks, rotary press inks, coated paper inks, planographic inks, lithographic inks, offset tin printing inks etc. The Printing Ink industries have grown significantly during the last decade and this industry is characterized by exceeding high margin profit. As we read newspapers, magazines, and books on a daily basis therefore inks are found in almost every aspect of human activity. The worldwide printing inks market is projected to register a CAGR of about 2.8%. Printing inks market embodies the strength of the global as well as regional economies. With its high correlation to a national GDP, the printing inks market is cyclical in nature, with economic ups and downs amplifying the demand patterns. The world printing inks market is projected to grow moderately over the next couple of years. The major contents of the book are pigment in the printing inks, manufacturing of printing inks, storage and testing of raw materials, planographic inks, lithographic inks, factors effecting visual appearance of ink film, factors effecting visual appearance of ink film, method of mixing metallic powder and varnish, the principle of reproducing photographs by printing methods, etc. In this book an attempt has been made to bring together the useful manner as possible the fundamental Principles of ink making. The book contains formulae processes and other relevant information of the manufacturing of different types of printing inks.

[The Complete Book on Printing Technology](#)

Author: NIIR Board

Format: Paperback

Book Code: NI111

Pages: 742

ISBN: 8178330520

Price: Rs. 1,100.00 **US\$** 125.00



Printing Industry generates a wide range of products which require in every step of our everyday life. Starting from newspapers, magazines, books, post cards to memo pads and business order forms each are the products of printing industry. Printing is a process for reproducing text and image, typically with ink on paper using a printing press. There are various types of printing process for example offset printing, modern printing, gravure printing, flexographic printing etc. Offset printing is a widely used printing technique where the inked image is transferred from a plate to a rubber blanket, then to the printing surface. When used in combination with the lithographic process, the offset technique employs a flat image carrier on which the image to be printed obtains ink from ink rollers, while the non printing area attracts a film of water, keeping the non printing areas ink free. Gravure printing is a printing technique, where the image to be printed is made up of small depressions in the surface of the printing plate. It is divided into three broad product areas; packaging printing, publication printing and speciality printing. Printing technology is often carried out as a large scale industrial process, and is an essential part of publishing and transaction printing. This is the age of hi fi, jets and computers. Rapid advancements in science and technology have made their impact on the printing industry of the world too. The old techniques of printing have become obsolete and made way for the new technology. The printing industry is just one example of an entire industry movement that is changing while keeping up with the development of new technologies. The proliferation of emerging technologies has dictated a rebirth of the printing industry. The Indian Printing Industry is well established and presently growing at 12% per annum. This book majorly deals with typographic technology, photo scanning systems, sequence of steps in the printing processes, size and scope of the printing industry, high volume printing technologies for the production of polymer electronic structures, inking system, film high contrast printing, principle of planographic printing, modern printing process, ink jet etc. The book contains the latest printing processes like web, gravure, flexo, security and offset printing. This book is an invaluable resource for new entrants, technicians, craftsmen and executives working with printing industries.

[Screen Printing Technology Hand Book](#)

Author: NIIR Board

Format: Paperback

Book Code: NI112

Pages: 672

ISBN: 8178330539

Price: Rs. 1,000.00 **US\$** 100.00



Screen printing is a printing technique that uses a woven mesh to support an ink blocking stencil. The attached stencil forms open areas of mesh that transfer ink or other printable materials which can be pressed through the mesh as a sharp edged image onto a substrate. A roller or squeegee is moved across the screen stencil, forcing or pumping ink past the threads of the woven mesh in the open areas. Screen printing proves to be a good printing process for multi colour printing. Half tone printing is related to screen printing of photographs. Printings of photographs was at one time considered to be very difficult in screen printing, but now screen printed halftone photographs are also effective and economical in certain types of reproduction. Over the time stickers (transfer) have become an important medium of advertising. Now millions of stickers are printed every year through this method. Transfer stickers are of three types; instant transfer, heat transfer and water lade transfer. Gumming is an integral part of sticker production. Screen printing technique make use of and is compatible with a variety of materials, including textiles, ceramics, metal, wood, paper, glass, and plastic. It is this quality that allows this printing technique to be used in different industries, from clothing to product labels, fabric labels to circuit board printing etc. Screen printing industry experiences growth in the 10 to 15% per year rate. Some fundamentals of this book are basic concept and classification of stencils, basic screen printing process, basic registration techniques, screen printing frames, pre treatment of screen printing fabrics, screen printing press, principal of screen process printing, printing on paper and card, printing on vertical surfaces, printing on shaped objects, cylindrical object printing, printing on uneven surfaces, ceramic and glass printing, printing on plastics etc. This method of Printing has achieved wide spread popularity since the Second World War, although the basic ideas in this process were used by the Chinese centuries ago. The present book contains latest technologies of screen printing along with machinery photographs, addresses of suppliers of machinery and raw materials. This book will be very helpful to new entrepreneurs, existing units and for those who want to diversify in to this field.

[Directory/ Database/ List of Packaging Industries/ Companies in India \(3rd Edition\)](#)

Format: CD-Rom

Book Code: NID64

Price: Rs. 3,565.00 **US\$** 150.00

Offline Business directory is the best thing in today's business world. If you are searching for Buyers, then this Directory/Database is the perfect tool for you. By having the right business leads, you would be able to have immediate communication with prospective businesses, partners and customers through this boundless list of Packaging Industries/ Companies in India in excel format, .xls We offer an extensive suite of Directories/ database to assist you in reaching the right businesses and people quickly and easily. Business Directories are used for sales planning, finding Buyers and marketing research to perform business analysis. With our company database/Directory, you will have access to company list. You will find a business list consisting of company contact details. We compiled list of companies in excel format to give you access to over hundred thousands of major & minor businesses and companies. From small business to Corporate Houses, our data is complete with business contact information to help you connect with the right companies or buyers. This database collection is a great resource for those suppliers who offer their goods and services to Packaging Industries/ Companies in India like, Companies, Mills, Manufacturing Companies, Paper mills, Craft Paper, Plastic films, Aluminium Sheets, Exporters, Buying Houses, Buying Agents, Traders, Garment Showrooms, Wholesalers, Retailers, Cargo Shipper, Clearing Agents, Travel Agents, Custom House Clearing Agents, Bank, Money Exchanger, Packaging Material Suppliers, Plant & Machinery Suppliers, Office Equipment Suppliers, Office Furniture Suppliers, Mobile Companies, Raw Material Suppliers, Advertisement Agencies, Office Stationery Suppliers, Transporters, Courier Companies, IT, Software Companies, Placement Companies, Labour Contractors etc. Information in this database contains over 5,650 records of Packaging Industries/ Companies in India. Details Includes: Company Name (5,650), Contact Person (3,900), Postal Address (5,500), Phone No. (5,250 Landline or Mobile), Fax (2,350), E-mail (5,550), Website (1,580). Note: All Records does not contain all fields of information. However, maximum information has been incorporated. Format: MS Excel



[Directory/ Database/ List of Paper & Paper Products Industries/ Companies in India \(4th Edition\)](#)

Format: CD-Rom

Book Code: NID106

Price: Rs. 3,622.00 US\$ 150.00

Offline Business directory is the best thing in today's business world. If you are searching for Buyers, then this Directory/Database is the perfect tool for you. By having the right business leads, you would be able to have immediate communication with prospective businesses, partners and customers through this boundless list of Paper & Paper Products Industries/ Companies in India in csv excel format. We offer an extensive suite of Directories/ database to assist you in reaching the right businesses and people quickly and easily. Business Directories are used for sales planning, finding Buyers and marketing research to perform business analysis. With our company database/Directory, you will have access to company list. You will find a business list consisting of company contact details. We compiled list of companies in excel format to give you access to over hundred thousands of major & minor businesses and companies. From small business to Corporate Houses, our data is complete with business contact information to help you connect with the right companies or buyers. This database collection is a great resource for those suppliers who offer their goods and services to Paper & Paper Products Industries/ Companies like, Paper Chemical, Rice husk Suppliers, Bagasse Suppliers, Glue Suppliers, Dye Makers, Kraft Paper Suppliers, Packaging Material Suppliers, Plant & Machinery Suppliers, Office Equipment Suppliers, Office Furniture Suppliers, Mobile Companies, Raw Material Suppliers, Advertisement Agencies, Office Stationery Suppliers, Transporters, Courier Companies, IT, Software Companies & Labour Contractors etc. Information in this database contains over 10,000 records of Paper & Paper Products Industries/ Companies in India. Details Includes: Company Name (10,000), Contact Person (7,700), Postal Address (10,100), Phone No. (8,000 Landline or Mobile), Fax (3,200), E-mail (9,900), Website (2,000). Note: All Records does not contain all fields of information. However, maximum information has been incorporated. Format: MS Excel



[Market Research Report on Future Potential of Flexible Packaging in India- Present Status, Growth Prospects, Emerging Trends, Opportunities, Demand-Supply, Market Size, Sector Outlook, Analysis & Forecasts upto 2017, Financial Comparison of Major Players](#)

Author: NPCS Team

Format: Paperback

Book Code: NI283

Pages: 166

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Price: Rs. 34,500.00 **US\$** 750.00

Packaging adds value to products for a consumer and has a vital role to play in a product's journey from manufacturer to end consumers. It is a key inducer of sales in the wake of evolving consumer needs and preferences. In India and as well as around the globe, flexible packaging solutions have emerged as the high growth segment of the packaging industry. Flexible packaging has been at the forefront since the last 4-5 years amidst growing need for convenient packages among consumers as well as the producers. Flexible packs are a boon for both parties and tapping the potential of the industry, Niir Project Consultancy Services has released a study on the industry titled 'Market Research Report on Future Potential of Flexible Packaging in India (Present Status, Growth Prospects, Emerging Trends, Opportunities, Demand-Supply, Market Size, Sector Outlook, Analysis & Forecasts upto 2017 with Financial Comparison of Major Players)'. The report provides industry insights like present status, factors that will drive the growth, the emerging trends, prevalent opportunities, demand supply scenario and key player information. The report begins by discussing the current scenario of the industry and briefing on packaging industry on the whole. Further it moves ahead for elaborating on factors that will drive the growth of the industry. Flexible packaging industry has found its applicability extensively in high growth industries like FMCG and pharmaceuticals. The growth in such user industries is bound to reflect in the flexible packaging numbers. Factors like growing incomes, middle class population, urbanization and surging organized retail in the country will also lend a hand to the sector. Navigating ahead, the report then discusses the upcoming trends in the industry along with the opportunities and challenges faced by the flexible packaging sector. The report classifies factors such as rising government focus on healthcare, low capita consumption levels of flexible packaging and surge in the food processing industry as key opportunities for flexible packaging. Raw material fluctuations and mounting environmental concerns regarding the extensive use of plastics are some challenges encountered by the sector. The report moves ahead to analyze demand-supply situation in the industry. The demand is captured by analyzing the demand for flexible packaging films while supply is demonstrated by listing the capital expenditure projects announced by the incumbents. The above mentioned data is supported by graphical representation and forecasts of key indicators. A thorough analysis of the industry is incomplete without the key player information. The next segment of the report shares information of players operating in the industry by providing company profiles and detail financial information. It includes company profiles of players like Huhtamaki PPL Ltd, Uflex Ltd, Polyplex Corporation Ltd and EsselPropack Ltd while financial information like address of registered office, director's name and financial comparison covering balance sheet, profit & loss account and several financial ratios of the players is discussed. The report ends with a positive outlook of the flexible packing industry in India along with its market sizing numbers. Indian consumer's spending patterns and product awareness have gone through a colossal change which has contributed in the high consumption of flexible packaging in the country. Rising incomes, mounting health awareness and evolving eating habits of the Indian consumers will keep pouring in growth for the user industries like FMCG and Pharmaceutical and thus will also keep the flexible packaging industry in good shape. Reasons for Buying this Report: • This research report helps you get a detail picture of the industry by providing overview of the industry along with the market structure and



its classification • The report provides in-depth market analysis covering major growth driving factors for the industry, emerging trends and opportunities prevalent • This report helps to understand the present status of the industry by elucidating a comprehensive scrutiny of the demand – supply situation with forecasts • Report provides analysis and in-depth financial comparison of major players/competitors • The report provides forecasts of key parameters which helps to anticipate the industry performance Our Approach: • Our research reports broadly cover Indian markets, present analysis, outlook and forecast for a period of five years. • The market forecasts are developed on the basis of secondary research and are cross-validated through interactions with the industry players • We use reliable sources of information and databases. And information from such sources is processed by us and included in the report

Investment Opportunity in Emerging Flexible Packaging Sector in India- How & Why to Invest, Market Potential, Target Consumers, Business Feasibility, Project Financials (Laminated Collapsible Tubes) & Industry Analysis

Author: NPCS Team

Format: Paperback

Book Code: NI284

Pages: 41

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Flexible packaging sector in India has emerged as the sea of opportunities for entrepreneurs on the back of its rising popularity. In India and as well as around the globe, flexible packaging solutions have emerged as the high growth segment of the packaging industry. Flexible packaging has been at the forefront since the last 4-5 years amidst the growing need for convenient packages among consumers as well as the producers. With the aim to provide investment insights on the sector, Niir Project Consultancy Services has released a new report titled 'Investment Opportunity in Emerging Flexible Packaging Sector in India- How & Why to Invest, Market Potential, Target Consumers, Business Feasibility, Project Financials (Laminated Collapsible Tubes) & Industry Analysis'. The report acts as a guide for an entrepreneur who is willing to venture into the segment by discussing the investment aspects in detail. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line. And before diversifying/venturing into any product, they wish to study the following aspects of the identified product: • Good Present/Future Demand • Export-Import Market Potential • Raw Material & Manpower Availability • Project Costs and Payback Period We at NPCS, through our reliable expertise in the project consultancy and market research field, have demystified the situation by putting forward the emerging business opportunity in the flexible packaging sector in India along with its business prospects. Through this report we have identified PVC Laminated Collapsible Tubes project as a lucrative investment avenue. The report begins by discussing the present status of flexible packaging industry in India and then navigates to identifying the potential buyers of the industry product. Since the product is a B2B product, the key user industries like FMCG & Pharmaceuticals qualifies as the prime buyers. Customer identification is followed by the extensive analysis of the factors that will drive the growth of the sector and thus make a case for investing. Flexible packaging industry in India is in a sweet spot as the Indian consumers spending patterns and preferences have evolved. Additionally, growing urbanization in the country coupled with burgeoning middle class and low per capita consumption levels will encourage the industry growth. The report moves ahead to discuss other aspects like government regulations applicable to the segment and recent developments taking place. The report gains momentum as it discusses the business prospects and project feasibility of flexible packaging sector in the 'Project Details' segment. This section delivers vital information, for an entrepreneur, like product details, raw materials requirement, machinery, manufacturing process and project financials. We have analyzed feasibility of PVC Laminated Collapsible Tubes project with regard to above mentioned aspects. The 'Project Financials' sub section provides details like plant capacity, costs involved in setting up of project, working capital requirements, payback period, projected revenue and profit. It also provides contact details of major players operating in the Indian flexible packaging sector. Indian flexible packaging sector is in the pink of its health in the wake of changing consumer dynamics and growth potential of end user industries. It presents lucrative business opportunities for venturing and diversifying. Rising incomes, mounting health awareness and evolving eating habits of the Indian consumers will keep pouring in growth for the sector. Reasons for buying the report: • This report helps you to identify a profitable project for investing or diversifying into by throwing light to crucial areas like industry size, market potential of the product and reasons for investing



in the product • This report provides vital information on the product like it's characteristics and segmentation • This report helps you market and place the product correctly by identifying the target customer group of the product • This report helps you understand the viability of the project by disclosing details like machinery required, project costs and snapshot of other project financials • The report provides a glimpse of government regulations applicable on the industry • The report provides forecasts of key parameters which helps to anticipate the industry performance and make sound business decisions Our Approach: • Our research reports broadly cover Indian markets, present analysis, outlook and forecast for a period of five years. • The market forecasts are developed on the basis of secondary research and are cross-validated through interactions with the industry players • We use reliable sources of information and databases. And information from such sources is processed by us and included in the report

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