

IFCA NEWS

Official Magazine of Indian Flexible Packaging And Folding Carton Manufacturers Association

Packaging & Environment



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Editorial



Packaging and Environment

Today plastics materials are the material of choice in packaging for the sectors such as FMCG, food and beverages, pharmaceuticals etc. A large chunk of products that households buy for daily use are packaged in plastics packaging due to the convenience to carry, store and use. Additionally, they improve the hygiene quotient and shelf-life of the products especially in food and beverages segment.

Indian Packaging sector is growing very fast driven by key factors like rising population, increase in income levels and changing lifestyles. Growth prospects of end-user segments are leading to rise in the demand of the plastic packaging industry. Demand from rural sector for packaged products is being fuelled by the increasing retail penetration and media penetration. The presence of E-commerce is expanding rapidly and is bringing around a revolution in the retail industry. This in turn is pushing the growth of packaging sector.

However, there are growing environmental concern. Lack of effective recycling of mixed plastic waste and plastic recovery are some of the issues plaguing the industry. Going ahead, recycling & reuse of plastics will be an important step towards fostering innovation and sustainability.

Besides the concerns on land-fills, there are also increasing concerns of oceans getting polluted due to plastic packaging. The heaps of plastic waste making its way to oceans and rivers are huge environment concern for generations to come.

Sustainability has become an important factor for many of us and has emerged as a key driver of innovations. Sustainability in packaging would mean ensuring that the waste resulting out of the packaged products never leave the value chain and also using materials that may cause little to zero environmental harm.

Many companies are developing and using New Packaging Technologies to work around sustainability goals. Reducing the total material content, using Thinner Gauge Films, Reusing the wastes, developing Recyclable Materials, use of Solvent Free inputs like Water Based Adhesives, Water Based Inks, reducing the use of Energy and Water Resources, etc are some of the goals of Sustainable Packaging pursued by the manufacturers. We are proud to say that many of our members have clear goals on sustainability and follow them meticulously.

While chasing the growth and profitability in a business, one should be aware of the environment and work towards sustainable living.

Vilas Dighe

Brilliant Polymers Winner & Nominated In Top 50 Smes in India

Brilliant Polymers, a Make in India company has won the Top 100 SMEs Award powered by Axis Bank.

The Top 100 SMEs award is the most prestigious award for Small & Medium Enterprises. India's SME 100 Awards was organized by Indian SME forum (ISF) in the national capital on 6th May 2017. The event brought the Top 100 SMEs of India under one roof. The event was marked by prestigious speakers, successful entrepreneurs & SMEs from all over India. Respected speakers like Shri. KALRAJ MISHRA, Hon'ble Minister of MSME, Govt. of India, Shri. Surendra Nath Tripathi, Addl. Secy and Development Commissioner Ministry of MSME, Govt of India and Smt. Shikha Sharma, MD & CEO, Axis Bank shared their thoughts on developing India.

The India SME Forum was founded in May 2011 & they started this event to nurture entrepreneurship & to support innovative, globally competitive SMEs in India. This event promotes best practices, address their concerns & celebrates their success.



Brilliant Polymers made it to the TOP 100 Scorers in the evaluation & the Jury team of 16 members has declared Brilliant Polymers as one of the Top 100 SME's of INDIA, 2017, in its meeting on 25th April 2017 at Mumbai. The jury for Top 100 SMEs Award included Mr. Prahlad Kakar (Advertising & Branding guru), Mr. Sunil Alagh (Former MD & CEO Britannia), Mr. Ajay Sehgal (Sr. VP Vodafone India Ltd) & many more. 41832 nominations were received for the Top 100 SMEs Awards & it was a

proud moment for Brilliant Polymers to be the winner of Top 100 SMEs Award. 17 SMEs were from the Services sector & the rest 83 SMEs were from the Manufacturing sector. The combined turnover of these 41832 SMEs who were nominated stands at Rs.1,37,000 crores & they collectively employ more than 12 lakh people.

The programme brought together the best of investors, business experts, successful entrepreneurs & top bureaucrats face to face with a full house of India SME 100 Award winners. The programme discussed steps to build successful brands & enterprises, & best practices for managing, scaling up these already successful & progressive business into stable & sustainable business.

Brilliant Polymers was selected on the basis of both financial & non-financial indicators. The financial indicators comprised of Growth Performance (Growth in Sales & Profits) & Financial Strength, which were strongly evaluated. The Non – Financial Indicators comprised of Innovation (Products, Trademarks & Brand), International Outlook (International Marketing, International Revenue & International Profit), People Capital (Work Environment) & Corporate Governance (Certification, Awards & Recognitions).





Henkel Flexible Packaging Academy's upcoming sessions are scheduled to be held soon; this residential training program will be conducted at our state-of-the-art infrastructure in Mumbai.

- The first academy and training program of its kind in India, Middle East & Africa region
- State-of-the-art commercial scale dual lamination machine, laboratory & testing facilities
- Training includes topics on Printing, Lamination, and Finished Product Testing, among others
- Practical training with the essential theoretical knowledge
- The latest flexible packaging technologies and trends through our global network of experts



For details, please write to fp.academy@henkel.com

Flexible Packaging Academy
Henkel Adhesives Technologies India Pvt. Ltd.

www.fp-academy.in



Multiflex Chennai - Award Winner

Asia Packaging Excellence Awards

We are proud to announce once again that for the year “2017 Asian Packaging Excellence Awards : for the whole Asian Region consisting of 14 countries” held at Jakarta on 28th April 2017, we have won 2 GOLD AWARDS and 1 BEST OF THE BEST IN THE SHOW AWARD.

This competition is conducted by Asian Flexographic Technical Association an independent body based in Singapore and this competition is held every year.

This is the 10th in row we have been receiving this Award for best flexographic printing in the category of Wide Web Flexible (Web width 915 mm and above)

This was a proud moment for our team as we have won 2 Golds and one “Best of the Best in the Show” in one single competition. Earlier we have been receiving either Gold / Silver / Bronze for any one for our entries since year 2008.

In the year 2008, we won “PRINT EXCELLENCE AWARD BRONZE” in the 6th Asia Flexo Award instituted by ASIAN FLEXO GRAPHIC TECHNICAL ASSOCIATION, MALAYSIA.

Again in the year 2009, we won “PRINT EXCELLENCE AWARD “GOLD AWARD” and the “Best in the Show” Award in 7th Asian Flexo Award instituted by Asian Flexographic Technical Association, Malaysia. Both the awards were in the “Wide Web Film” category (used for shopping Carry Bags & FMCG Packaging Segment).

We also won “STAR PRINTER OF SAARC NATION” in the year 2009 for printing Excellence. In the year 2010, we won “ Special Recognition” and “ Bronze Medal” at the world Grand Prix Held at Shangai. This Recognitions were awarded by “DuPont”.

We also won the following International Print Excellence Awards:-

- Year 2010 – AFTA – Bronze Award
- Year 2011 – AFTA – Bronze Award
- Year 2012 – AFTA – Bronze Award



- Year 2013 – AFTA – Gold Award
- Year 2014 – AFTA – Bronze Award
- Year 2015 – AFTA – Bronze Award
- Year 2017 – AFTA – 2 Gold Awards
- Year 2017 – AFTA – Best in the Show Award

All in the category of “Wide Web Flexible Packaging” Flexo Printing.

We also got a wide coverage on the front page of Flexo and Gravure Asia Magazine, one of the most prominent print magazine for the Asia Pacific region, published in Germany.

We introduce ourselves as a pioneer in the field of polythene Flexible Packaging printed and plain bags since 1964. With 2 State of Art imported Central Impression Flexo printing machine, which is the first of its kinds in South India. We can print all kinds of multi color Images / Graphics / Designs with pinpoint registration, accuracy & reproduction. Along with the Flexo Presses we have the State of Art Multilayer Extrusions, Cutting & Sealing machines, Slitters, Winders and also Soft loop fixing, String attachments and Patch handles, Side Gusset, Automatic high speed side sealing machines for higher output. We can provide all types of standard carry bags. We can print all kind of LLDPE, HMHDPE, PP, BOPP, CPP, and Polyester poly film with a production capacity of 100 tons per month. We meet all the International Quality Standards at a very affordable price to our customers.

This State of Art machine's printed products is used in the following industries :-

- Frozen Food, Oil & Milk packing,
- Health, Hygienic & Cosmetics products like Sanitary Napkins, Diapers, Cotton Swabs/Rolls etc.,
- BOPP sheets for Garment Industry, Confectioneries, Pharmaceutical Bandages, Food Packaging Industries,
- Toiletries & Detergent Packaging
- All kinds of Shopping Carry Bags for Showroom, Boutiques & Mega Malls, Garments Industries.
- Leather Garments & Footwear Industries.

The group works for the improvement in Quality supplies achieved by having the best technology & dedicated employees. Thus Multiflex team work has about 100 employees including the office Management. We also take pride in using only Pure virgin raw material for the production. We do not use any kind of Fillers material, Recycled material and sub-standard material for our production. All our inks and solvents are 100% food grade. On demand we shall issue certificates for the raw material used by us.

For MULTIFLEX POLYBAGS PVT LTD.,
RAJENDRA MEHTA
DIRECTOR

Total Packaging And Processing Exhibition

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Co-located Shows



FOODTEK
12th International Exhibition and Conference on
Food and Beverage Processing and Packaging **2017**



**Pharma
Pack 2017**
9th International Pharmaceutical Packaging Exhibition



SupplyChain
Exhibition on Supply Chain & Logistics Solutions
For Food, Beverage and Pharmaceutical Industry **Expo 2017**



26 - 28 September 2017
Bombay Exhibition Centre | Mumbai | India

Connect with India's Packaging and Processing Industry

- IntelPack-2017, organised first time in 1990, is India's largest and most successful packaging exhibition. Co-located with Foodtek 2017, PharmaPack 2017 and SupplyChain Expo 2017
- The show will showcase the cutting-edge technology in packaging, processing and supply chain management, thus delivering immense value to both exhibitors and trade visitors.
- Over 250 exhibitors will present the latest innovations and solutions on a floor space in excess of 12,000 sq. mtrs. attracting over 10,000 high profile attendees from India and overseas.
- India's two most powerful packaging associations, the Institute of Packaging Machinery Manufacturers Association of India (IPMMI) and Indian Flexible Packaging & Folding Carton Manufacturers Association (IFCA) are co-organisers of the show.

Organisers



**Intel Trade Fairs &
Exposition Pvt. Ltd.**

Co-organisers



**Institute of Packaging Machinery
Manufacturers Association of India**



**Indian Flexible Packaging & Folding
Carton Manufacturers Association**

Digital Printing Versus Conventional Printing

When it comes to making a final decision on which printing process to choose for labels and packaging, the print service provider must take into consideration quality, substrate, volume, budget and schedule. These are the requirements that typically drive the method choice.

The two primary forms of printing labels and packaging are digital and conventional: digital on digital printing devices, conventional mainly using flexo and gravure as well as offset printing press. While digital and flexo have both undergone dramatic improvements throughout the years, some significant pros and cons for each of the two technologies remain.

Before making a decision, print service providers and converters have to weigh these advantages and disadvantages of each technology against what they need or expect to achieve with the print job.

The high number of products on the shelf makes the run length of packaging and labels shrink

Short-run drives digital printing

Printers and converters have to serve the customer and meet their specific requirements. One of the most prevalent trends over the past five to eight years is declining run lengths in print. This trend is caused by a vital change in customer behavior. Simply put, the end-user wants choice. For example, consumers want to see a salad dressing in several different custom flavors on shop shelves, not just one flavor.

When you think about that in terms what it means for printing labels and packaging, where you had one product in the past, there are now 23 product variations that have to be printed. This means that also the typical run length is divided by 23: instead of one million of labels, the print buyer will order



43,000 labels for each of the 23 product variations.

In addition, special marketing campaigns designed to attract consumer attention decrease the life span of a label or a packaging. There is an increasing volume of "limited editions" of a certain product or packaging that reflects a limited time offer. This also shortens run lengths and can also affect the amount of time the printer or converter has to deliver the packaging. Another reason the demand for short-runs is rising is the ability for brand owners and manufacturers to 'print-on-demand'. Due to the massive associated costs, nobody wants to keep large inventories.

Just-in-time delivery, just enough to supply the demand, is the most cost-effective approach. Finally, brand owners want to use realistic mockups in an early lifecycle stage of the product. This means a very low number of number of units needs to be produced to use in test marketing and approval processes. Only when the product is ready to go to market, larger volumes will be produced.

Automation removes bottlenecks

These trends will ultimately require an investment in one or more digital

presses as additional printing devices to supplement existing conventionally-equipped pressrooms. However, printers should also consider the impact of the digital press on their overall business. Which new markets will these digital capabilities allow to tap into; what are the new opportunities they can bring? And how does the plant workflow cope with a ton of shortrun orders? The truth is, without appropriate automation tools to efficiently handle shorter runs, these jobs can quickly become unprofitable. You might spend an hour in customer service and an hour in prepress, which can eat up most of the profit before you get to the pressroom. The bottleneck is caused by the limited administrative and prepress capacities that are not set up to handle an increased number of smaller jobs.

Administrative and prepress automation is the key to processing many more jobs and a necessity in order to increase and maximize capacity in general. Esko has been providing automation solutions to address these potential bottlenecks for a long time, for the obvious reasons of cost savings and increasing productivity. This applies to both digital and conventional printing methods. Implementing an MIS system can work wonders in removing administrative bottlenecks.

Automating the prepress department reduces errors and increases productivity by eliminating manual and repetitive tasks. Automating prepress and administration is critical to achieving maximum plant utilization.

Conventional print advantages, and challenges

The primary reason to use conventional printing is still long-run production for cost and productivity reasons, and sometimes quality. When producing additional units of a job that has already been printed, in almost all cases, the original printing technology is used for the reprints to ensure consistent quality from job to job. Conventional printing however requires more set-up as the color is refined during makeready and the equipment is properly calibrated to obtain the best results.

So job changeover time is among the biggest concerns when it comes to weigh-

ing whether to use conventional or digital press technologies, since there is virtually no changeover time between jobs on a digital press. Printers therefore also should be concerned about the total cost of operation, including unacceptable levels of waste of costly media as a by-product of the lengthy machine set-up.

One way to partially address these concerns is to use a fixed ink set with a fixed color palette. This helps to reduce change-over times, streamline production processes, and reduce ink room costs. Esko Equinox can be used to enable extended gamut printing and enhance quality and efficiency in conventional (flexo) printing. Extended gamut printing means that the packaging is not printed in CMYK and the necessary additional spot inks, but that the printing presses are standardized to a set of 5, 6 or 7 inks.

Typically the press will be standardized to CMYK + 2 or 3 extra inks (e.g.,

orange/green/blue). By adding extra colors to traditional CMYK, printers can achieve better color with fewer inks, fewer plates, less makeready time and improved productivity. At the same time, quality and consistency improved – fulfilling exactly the needs of brand owners looking for reduced costs with no compromise in color fidelity. This process can even deliver improved print quality in many cases.

In addition to Equinox, Esko Full HD Flexo enables printers and converters to use conventional flexo for label and package printing by raising its quality to the level of offset and gravure, which has been the Holy Grail for flexo. Esko Full HD Flexo is a new process for making digital flexo plates and raises the industry standard. The improved plates are higher quality, with vibrant colors and print more consistently than standard digital flexo plates, also on lower cost substrates.

PrintWeek India to Honour the Best in Digital Printing

PrintWeek India continues its hunt for digital excellence with its Digital Printer of the Year, Digital Photo Album Printer of the Year and Wide Format Printer of the Year category.

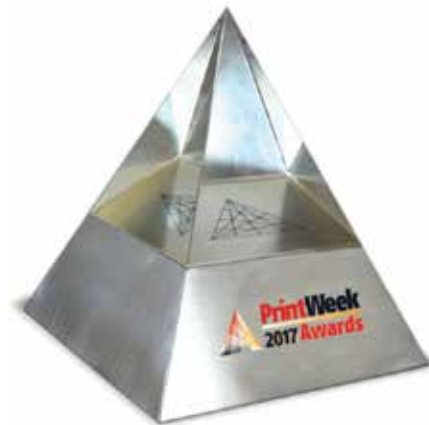
Digital Printing has opened up numerous possibilities for the modern world. With a wider range of colour offerings and flawless detailing, digital printing escalates your print jobs to a whole new level.

In the Digital Printer of the Year category the judges will be looking for the company which depicts a mixture of good quality colour results, with innovative applications printed digitally.

The Digital Photo Album of the Year category is another sought after category where Judges will be looking for the company that demonstrates a combination of good quality colour results, use of unusual substrates, and

fabrication of the album including an innovative cover.

And finally, the “biggest” category at PrintWeek India Awards, in the literal sense: The Wide-Format Printer of the Year. In this category, the judges will be looking for dazzling print displays that are produced on 60-inch plus wide-format printers with clarity and high-quality vibrant colours, intended to grab the target audience’s attention.



Chanakya Mudrak won for the second time after clinching the title in 2015 and Avantika Printers won for the fourth time after making a hat-trick in Digital Printer of the Year award category a few years back. Surat-based Klick Digital Press was the joint winner in the Digital Photo Album Printer of the Year category along with Mysuru-based Capital Color Lab last year. Printech Digital Imaging was backed as a winner in the Wide-Format Printer of the Year category in 2016.

If you feel that you are the next big thing in the digital world, then do send us your entries for the ninth edition of PrintWeek India Awards.

For the entry form, click on this link <http://printweekindiaawards.com/PWI-Award17-Entry-Form.pdf> or visit our website; www.printweekindiaawards.com

Cosmo Films Showcase Barrier Films

DELHI, April 19, 2017– Cosmo Films, a leading manufacturer of speciality BOPP films will be showcasing its complete range of speciality films for packaging, laminating and labeling applications at the upcoming Interpack 2017 show – an essential event for food, beverage, confectionery, bakery, pharmaceutical, cosmetics, non-food and industrial goods sector, scheduled to take place from 4th to 10th May 2017 at Dusseldorf, Germany. The highlight of the products being showcased would be Cosmo's comprehensive range of barrier films for packaging applications.

Some of the barrier films, with excellent moisture, oxygen and aroma barrier properties which would be on display are as follows:-

Metalized Barrier Films:

[a] High Moisture Barrier Films

(HMB): These are metalized barrier films that are corona treated on both sides and can be used for duplex as well as for sandwich lamination in snack foods, shampoo sachets, dry milk powder and powdered drinks sachets/packs, where loss of moisture is a concern.

[b] High Speed Barrier Films with High Hot Tack (HSB): These metalized moisture and oxygen barrier films have a High Hot Tack and Low SIT which enables FFS machines to run at a higher speed, thus helping improve productivity.

[c] High Seal Strength Barrier Films (HSS): These metalized moisture and oxygen barrier films have been specially designed for packaging applications requiring high seal strengths.

[d] Ultra High Barrier Films (UHB): These metalized moisture and oxygen barrier films can be used to substitute aluminum foil since they offer a MVTR and OTR <0.1 cc.



Transparent Barrier Films:

[a] Aroma Barrier Films (AB): These are transparent barrier films typically used for coffee/tea, spices, chewing gum and perfume boxes overwrapping.

[b] Aroma & Oxygen Barrier Films (AOB): These transparent films have both excellent moisture and gas barrier properties and are used for packaging of cream biscuits, chocolates, chips and snacks with some dose of fatty content.

[c] Ultra High Barrier Films (UHB): These transparent films have excellent moisture, aroma and gas barrier properties with OTR <1 cc and are used to convert 3 layer laminates to 2 layers for packaging of aromatic and fat content rich products like dry fruits, nuts, spices etc. These films also offer mineral oil resistance.

The company will also be showcasing its recently launched Black Velvet Lamination film and its range of speciality films for PSA labeling applications.

Mr. Shailesh Verma, DGM- Pack-

aging Films Export, Cosmo Films said, "Interpack being one of the leading exhibitions for packaging and processing industry, we look forward to promoting our range of speciality packaging films. With range of barrier films, we are confident of meeting flexible packaging requirements of big converters & brands and enhancing their overall experience with BOPP films."

Please visit Cosmo Films at stand no. 09/F-26 at Interpack 2017.

About Interpack

Interpack is the essential event for the food, beverage, confectionery, bakery, pharmaceutical, cosmetics, non-food and industrial goods sectors. No other trade fair in the world represents the entire supply chain. And at no other trade fair does the packaging industry provide all industry sectors with tailored solutions and innovative designs based on such a variety of materials. The widespread global relevance of the areas covered by interpack and the high calibre of both exhibitors and visitors make interpack in Düsseldorf every three years the go-to international event for a highly knowledgeable specialist audience.

About Cosmo Films Limited

Established in 1981, Cosmo Films Limited today is one of the global leaders and manufacturers of Bi-axially Oriented Polypropylene (BOPP) films used for packaging, labels and lamination applications. The company is the largest exporter of BOPP films from India and is also the largest producer of thermal lamination films in the world with plant cum distribution centres in India, Japan, Korea & the U.S along with global channel partners in more than fifty countries. For more information, visit www.cosmofilms.com or write to enquiry@cosmofilms.com.



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Anti-Fog Film for Wider Applications

Mumbai, 9th May, 2017– Cosmo Films, a leading manufacturer of speciality BOPP films, has come up with an improvised anti-fog film with excellent cold & hot anti fog properties and high hot tack & low co-efficient of friction which can deliver high speed over wrapping performance. This means that the film would now be suitable for packaging of even unpolished fruits in trays on high speed HFFS machines.

Anti-fog films are generally transparent films which go in for fresh fruits/vegetables, salad packaging, meat packaging applications. The high moisture content in these food items lead to mist formation on the film surface thus affecting the visibility and therefore perceived freshness of the food packed inside. An anti-fogging film not only prevents this phenomenon leading to a better visibility of the contents inside but also renders the pack a better shelf appeal owing to its enhanced gloss/optics. The film complies with the EC and FDA food contact regulations.



The film is a co-extruded both sides heat sealable, both side treated BOPP film where printing is done generally on the top side and inner side lends in the anti-fogging characteristics. The film works well in a single layer as well as BOPP/AF BOPP laminate structure.

Commenting on the development, Mr. Shailesh Verma, Head-Packaging Films Exports, Cosmo Films said, "The film has

excellent machinability, high heat seal & high hot tack strength and low seal initiation temperature and therefore works very well on high speed packing machines. The film is available in 15 to 40 microns thickness. Company also makes film compatible for sealing on PE trays. A Keep Fresh grade providing longer shelf life because of anti-bacterial properties is also available."

Low Noise Tape Film

DELHI, April 27, 2017– Cosmo Films, a leading manufacturer of speciality BOPP films recently announced the launch of a low noise tape film, used in making of low noise tapes. The BOPP based low noise tape film with a proprietary release surface treatment enables easy release and generates low noise on unwinding. This feature becomes extremely significant in industrial settings where multiple packing lines work in tandem and auto dispensing machines are installed and packing takes place at relatively higher speeds. In most developed countries, factory guidelines require manufacturers to adhere to low decibel levels and therefore low noise tapes become significantly relevant.

The low noise tape film also take significantly less release force as compared to a normal tape film. The film can easily take up any adhesive be it water based, solvent based, rubber based or hot melt type. The value added tape film does not

come at a significant incremental cost and therefore is easier to switch to. In most of the tape applications, printing on the film takes place on the other side of the release coating. However, the release side could also be made printable.

Commenting on the development, Mr. S. Satish, Global Head- Sales &



Marketing said, "We had devised the film for one of our tape customers. However, we see huge potential for the film going forward as we see this feature as a great value add. The product is available in clear and ultra-clear varieties and could be made available in different microns."

About Cosmo Films Limited

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Water Based Inks and Adhesives

Valuable Contribution to Sustainability in Flexible Packaging

- **Water-based Joncryl® and Epotal® offer less environmental impact at similar costs and performance compared to solvent-based technologies**
- **Eco-Efficiency Analysis (EEA) proves a reduced carbon footprint for water-based inks and adhesives of about 15%**
- **BASF presents water-based technologies for printing and converting at Interpack 2017**

BASF's water-based resins for inks and adhesives in flexible packaging are an economically compatible and environmentally friendly alternative to solvent-based technologies. This is the result of a recently completed Eco-Efficiency Analysis conducted by BASF and based on previous Eco-Efficiency Analysis for water-based printing inks for flexible packaging in 2009 as well as data from a recent EEA for adhesives in 2016. The study considers a broad range of environmental categories of the final product and its raw materials (cradle-to-grave) ranging from climate change and resource depletion to water over-fertilization.

The BASF Eco-Efficiency methodology was validated by NSF International while the results of the study were critically reviewed by DEKRA as an independent third party.

The outcome of the EEA demonstrates that water-based inks and adhesives lead to a higher eco-efficiency than solvent-based inks and adhesives. The main driver of environmental differences among the alternatives is the production of inks and solvents.

Improved health and safety while reducing the carbon footprint

The analysis showed that solvent-based inks and adhesives perform worse in all impact categories which is mainly due to the environmental impact related to the production of the organic solvent for use in the printing process, ink raw materials and adhesive production. Furthermore, the EEA demonstrates that a shift from solvent-based inks and adhesives to water-based technologies will allow a reduction of greenhouse gas

emissions (CO₂ equivalents) of up to 15%. This reduction of the carbon footprint is of increasing importance for brand owners and converters.

Water-based technologies also have a positive impact on health and working place safety. "As water-based inks and adhesives contain neither organic solvents nor aromatic isocyanates, production risks are reduced to a minimum", says Ulf Neidlein, Vice President Business Management Resins & Additives Europe. "They offer a great improvement in industrial safety and are therefore an important step towards more sustainable and safer solutions for flexible food packaging."

Reduced overall costs

The results of the EEA reveal that solvent-based inks and adhesives have the highest overall costs, due to a high volume of required solvents. "Conversion to water-based systems will result in reduced investment and maintenance costs since solvent incineration or recovery will not be required anymore", adds Jürgen Pfister, Vice President Dispersions for Adhesives & Fiber Bonding Europe. "Furthermore, the overall production time for our customers can be significantly reduced with water-based adhesives as converters can laminate and deliver within one day."

BASF presents water-based technologies for flexible packaging

An industrial printed and converted flexible packaging exclusively produced with water-based technologies and therefore benefiting from the advantages proven in the EEA will be exhibited at Interpack 2017 in Düsseldorf from May 4-10 at booth 43, hall 10. The pizza tray



packaging is a joint effort of BASF with its value chain partners AMB and Sun Chemical produced with water-based adhesives from the Epotal® FLX range and printed with water-based inks based on the Joncryl® FLX product range.

About BASF

At BASF, we create chemistry for a sustainable future. We combine economic success with environmental protection and social responsibility. The approximately 114,000 employees in the BASF Group work on contributing to the success of our customers in nearly all sectors and almost every country in the world. Our portfolio is organized into five segments: Chemicals, Performance Products, Functional Materials & Solutions, Agricultural Solutions and Oil & Gas. BASF generated sales of about €58 billion in 2016. BASF shares are traded on the stock exchanges in Frankfurt (BAS), London (BFA) and Zurich (BAS). Further information at www.basf.com.

About BASF's Dispersions & Pigments division

The Dispersions & Pigments division of BASF develops, produces and markets a range of high-quality pigments, resins, additives and polymer dispersions worldwide. These raw materials are used in formulations for coatings and paints, printing and packaging products, construction chemicals, adhesives, fiber bondings, plastics, paper as well as for electronic applications such as displays. With its comprehensive product portfolio and its extensive knowledge of the industry, the Dispersions & Pigments division offers its customers innovative and sustainable solutions and helps them advance their formulations. For further information about the Dispersions & Pigments division, please visit www.dispersions-pigments.basf.com.

Rubbish In Our Oceans

Why We Need To Recycle Plastics



The UK needs to clean up its act. Microplastics are clogging up shorelines and blocking our rivers – and it's our fault. Emma Henderson talks to local people who are setting the bar high for recycling the hard stuff

The amount of plastic in the ocean is estimated to be roughly 250,000 square miles which is the same size as Texas
Shutterstock

It's no wonder thousands of tonnes of plastic sit unrecycled in landfills – it takes from 450 to 1,000 years to break-down and decompose. The worst part of all this is that plastics break down into micro-plastics and end up in our oceans. This type of rubbish is known as marine litter. It's defined as manufactured or processed solid material that is discarded in the marine environment found on UK beaches, which has consistently risen in the past 20 years, according to Surfers Against Sewage's (SAS) marine litter report.

We live in a world obsessed with throwaway plastics – known as single-use plastics – which rose in popularity in the 1930s, coating everything in the cold, hard, shiny stuff. The luxury of excess packaging comes at a cost to the environment, one that it can no longer afford as our beaches are suffering. Post summer, the UK's beaches return to

their best – empty. But it's not holiday-makers who are to blame for the plastic pollution problem. It's the consumer society we have evolved into. Finally, the Government is listening and is considering bringing in a 10 or 20p charge for the use of plastic bottles that would be refundable if the bottle is returned.

Once discarded, plastic is likely to end up in oceans after being washed down rivers, flushed down toilets, or windblown from dumps. This litter is found everywhere from the North Pole to desert islands and affects an estimated 600 species of marine organisms that live in the oceans, which can end up in seafood. We throw away such huge volumes of plastic that around 8 million metric tonnes of it is floating in our oceans: bottles, bags, fishing nets, cotton buds and food wrappers. How can we fix a problem so rooted in our modern lifestyles?

Unilever to make all of its plastic fully recyclable by 2025

In September, France became the first country to ban plastic cups, plates and cutlery. As part of the Energy Transition for Green Growth plan, it should come into effect in 2020 and is part of a wider green initiative to tackle climate change. But this is a controversial move as Pack2Go Europe, a Brussels-based organisation representing European packing manufacturers, say it transgress-

es Europe's regulations on the freedom of movement of goods. The country also banned plastic bags in July, and coffee vending machines will now have to provide biologically-sourced materials that can be composted.

Professor Richard Thompson of Plymouth University says this move is only banning plastic cutlery made from petroleum, Professor Richard Thompson of Plymouth University says this move is only banning plastic cutlery made from petroleum, and instead it should be substituted for bioplastic. "American football stadiums use degradable food packaging that degrades with the food. We have had 60 years of this throw-away living and we need to recognise that plastic isn't throwaway. It can have value if it is designed properly so we can recycle it properly and reduce its leakage into the environment," he adds.

Back in the UK, we are slowly changing our destructive ways with a petition to ban non-recyclable or compostable packaging. The latest effort is banning the sale of plastic stemmed cotton earbuds; an estimated 100,000 buds make it into the Thames Water treatment plant each week. Natalie Fee successfully campaigned to #switchthestick – to swap the troublesome product to a paper stem alternative. Just before Christmas, major supermarkets along with Boots and Superdrug, agreed to sell only the recyclable version by the end of this year.

Fee explains that as the buds are so small they pass through the filters and out into open waters, where they break down into microplastics and "form part



Tiny pieces of plastic are washed up on to the UK's beaches every day (The Plastic Movement)



Surfdome swapped plastic sellotape and bubble wrap for recyclable boxes, gum tape and paper (Surfdome)

of the ‘plastic smog’ we’re now witnessing in our oceans. Ideally people wouldn’t flush anything down the loo other than pee, poo and paper.

“Changing to paper stems means the buds are less likely to escape the filters if flushed, which would mean a huge reduction in plastic-to-landfill by all of our water companies each year,” she adds.

In July, Waitrose was the first supermarket to pledge to change the stems to paper, in a move that is expected to save around 21 tonnes of plastic each year. The new stems will be biodegradable and are made from an FSC (Forest Stewardship Council) source of paper. “Minimising our impact on the environment is a top priority and the changes we are making are likely to have a positive affect for marine life,” says Tor Harris, Waitrose’s head of sustainability and responsible sourcing.

The microbead – found in hundreds of cosmetics and toothpastes – will be banned in the UK in 2017 after huge campaigns. But as the majority of people in the UK do not live or work on the coast, they do not see the direct effect plastics have on the environment and progress is slow.



A prototype of the sea bin, created by Pete Ceglinski



Volunteers are called in to deal with the huge volumes of rubbish along the coastline of Freedom Island in Paranaque City, suburban Manila (Getty)

The Plastic Movement is the first of its kind to recycle all the plastic found on Cornwall’s beaches. Working with TerraCycle, collected plastic will be turned into cosmetics bottles and outdoor furniture, which will be made entirely from high-density polyethylene (HDPE). Set up by five lifeguards from Bude, north Cornwall, the group has already – with the help of 407 willing volunteers over 13 hours – collected more than 1,300kg of rubbish that had washed up on five north Cornwall beaches. TerraCycle then rids it of seaweeds and barnacles, splits it into polypropylene (PP), polypropylene terephthalate (PET) and HDPE to produce “recycled beach plastic material”.

But the reason all this plastic is washed up on beaches is because of the Great Pacific Garbage Patch which is one of five major swirling vortexes in the oceans. It contains billions of pieces of plastic, and estimates of the mass range from 250,000 square miles – roughly the size of Texas – to 6 million square miles, which is the same as 10 per cent of the Pacific Ocean. It is hard to quantify the amount of rubbish in the oceans, as it is always moving. Much of the rubbish in the ocean is below the surface, which ends up sinking and resting on the seabed, stopping photosynthesis. There are other collections, known as gyres, in the Indian Ocean, the south Atlantic, and the north Atlantic, which affects the UK.

“Plastic is never stationary,” says Jim Scown, founding member of the Plastic Movement. “Collections of plastic that gather in the water are controlled by currents that are dominant through the Atlantic Ocean. On every rotation these huge clumps kick out pieces of plastic back into the Gulf Stream, which comes past us in Cornwall and some inevitably end up in our oceans.”

The initiative will be following in the footsteps of Refill Bude, started by Deborah Rosser, who introduced the sale of eco-friendly cups to be used for refills in local cafes – which has since spread to Bristol and Bournemouth. It aims to reduce the coffee cup pollution, as less than 1 per cent of the estimated 2.5 billion takeaway coffee cups used in the UK are recycled each year because the plastic lining is too hard to remove. A major driving force in reducing plastics on our beaches is Martin Dorey, the founder of the two-minute beach clean. Since starting in 2013, it has gone global, from New Zealand to South America, thanks to sharing pictures of the collected rubbish with the hashtag #2MinuteBeachClean. It asks people to give up just two minutes to pick up some litter on the beach.

But the problem also needs to be tackled at the source. One company doing this is Surfdome, a nationwide surf shop, which has taken away all of their plastic packaging and instead uses 100 per cent cardboard, gum tape and paper. “We’ve eliminated 14 tonnes of plastic so far – equivalent of 650,000 plastic bottles – which have been replaced with recycled, biodegradable materials,” says Adam Hall, sustainability manager.

Australian surfers have come up with the idea of creating Seabins. The bin catches rubbish, oil, fuel and detergents and has been designed to be attached to floating docks and pontoons in harbours, or used in lakes and even yachts. Inventor and co-founder Andrew Turton estimates one seabin can catch 1.5kg of floating rubbish per day, which equates to half a tonne a year. “Our goal is that our plastics will not go to landfill or be incinerated. Instead we would like to be part of a circular plastics economy,” says co-founder Pete Ceglinski.

IFCA STAR AWARDS - 2017



FCA Star Award is an event carried out by the association every two years. This gives opportunity to packaging community to showcase their innovations and win the prestigious trophy. We invite all members and non-members to participate whole-heartedly.

We are happy to state that many companies have given their entries and we thank them for the support to the Association and support to event.

Information of the event is given below for the benefit of the members.

BACKGROUND:

The Indian Flexible packaging and Folding Carton Association (IFCA) is a national body, addressing to the needs of flexible packaging and folding carton Industry for the last five decades. Packaging Industry, more so, the flexible packaging and Carton packaging have made tremendous stride in the last few years. With market in the unprecedented growth path, innovations and creativity becomes the key to sustenance.

The IFCA STAR AWARD provides a platform for encouraging the needed creativity and continuous improvement. This is a prestigious award for the Flexible Packaging and Carton Packaging industries. The manufacturers of these packaging materials and the end users participate widely and showcase their innovations in this competitive event organized by IFCA.

ENTRY DOCUMENTS

- Entry forms duly filled and signed with company stamp
- A short write up of the product highlighting the USP
- There is no limit on number of entries. Separate form needs to be filled for each entry.
- 2 filled/unfilled samples along with photographs/CD's
- Cheque / NEFT in favor of "INDIAN FLEXIBLE PACKAGING AND FOLDING CARTON MANUFACTURERS ASSOCIATION"

NEFT DETAILS:

BANK/BRANCH: CORPORATION BANK, NERUL (E)
ACCOUNT NO: 057200101009252, NEFT: CORP000572

ENTRY FEE:

- Rs 7,500 per entry for members of the IFCA association
- Rs 8,500 per entry for non-members

LAST DATE FOR SUBMISSION:

- You may submit the entries as and when they are ready.
- The last date of submission - 10th July 2017
- Award declaration - September 2017

JUDGING OF THE AWARDS WINNERS:

- There will be a panel of judges comprising of knowledgeable persons from the industry
- Decision of the Jury will be final
- The entrant will be responsible for ownership and declaration
- Any legal issues arising out of the entry should be settled by the entrant.
- Number of winners will not be restricted. All the deserving entries will get the IFCA star award.

NEW TECHNOLOGY

Intelligent packaging solutions on sustainable cartonboard

Consumer behaviour is changing as more consumers adopt a digital life-style. This has led to increasing consumer demand for personalisation, transparency and more information about the packed product via the digital world.

In this context, packaging plays a very important role in transmitting quality and brand values of a product, first through communicating these on a screen and then at home when the consumer sees and experiences the packed product in its physical form.

New technologies are also transforming how consumers view packaging. In addition to being a showcase and vehicle for goods, they see packaging increasingly containing innovations that offer high levels of interaction and engagement.

Retailers, brand owners and suppliers are exploring ways to respond, including:

- Consumer engagement with packed products carrying digital devices delivering interesting content
- Next generation identification of products beyond the barcode, allowing more detailed information to be carried on the pack, which delivers more control for the supply chain and personalisation for consumers
- Packaging as a physical delivery system for the digital world, which is based on responsibly managed raw materials



Cartonboard packaging is the ideal medium for supporting these requirements, by enabling intelligent packaging solutions which are creative and innovative, on a sustainable substrate.

Cartonboard is made from a renewable raw material which, in Europe, is sourced from sustainably managed forests. Responsible sourcing of raw materials can be demonstrated for both wood and recovered paper. A "chain of custody" certificate shows the legal and traceable origin of the fibre materials.

Consumers buying habits may be influenced by the digital world, but once they have the packed product in front of them they want a good experience from handling it. The pack must be:

- Easy to open and close
- Informative
- Attractive and representative
- Protect and preserve the contents
- Easy to dispose of

Cartons can deliver all of these attributes as well as other solutions which are driven by new technologies,

benefiting the brand owner and retailer as well as the consumer. For example:

- Food safety through the use of food contact approved chemical additives and other raw materials, low migration inks, barriers and coatings, when required
- Anti-counterfeiting systems e.g. on pharmaceutical cartons

New technologies enabled by the digital world can be applied onto cartonboard packaging, making these new developments more eco-efficient, since cartons are recoverable, recyclable and continuously being light weighted so that lighter packs perform to ever higher specifications.

Natural and resource efficient, cartonboard packaging can help to create value, convenience and sustainability in the supply chain, while delivering the new digital technologies currently being explored by brand owners and retailers.

For further information on how cartons sustainably support digital and other emerging technologies please visit the different sections on the Menu bar.

Laser Scoring Technology

Easy to open Flexible packaging Solutions from UFLEX

Noida, 03 April 2017: Have you felt the angst of standing under the shower trying to tear a shampoo sachet which simply refused to yield and finally you had to bite it open? Quite a nightmare --- isn't it?

One of the most important dimensions of flexible packaging is 'Convenience' of handling which also happens to be a pivotal component of the pack's functionality. The moment this convenience is compromised upon, the utility of packaging nose dives - and simultaneously erode with it, consumers' faith & confidence and brand image.

"As India's largest multinational flexible packaging materials and Solution Company, one of the commonest asks that our clients have from us is to incorporate easy to open features" says, Mr. Arun Anand, Executive Vice President Marketing at Uflex Packaging.

"Uflex has been the first company to introduce laser scored flexible packaging in India. By the sophisticated Laser Scoring Technology the outermost layer of a laminate is incised with laser beams. Virtually every type of incision can be made by this technology. Pre-defined tearing path is created which guides the end-user to conveniently open the packaging. Commendable is the fact that all of this is done without compromising the barrier properties required by the product packed inside.

One of the conventional tools that have been used to create tearing paths on flexible packaging is serrated cutter fitted on Form, Fill and Seal Machines. This is not considered as a very conducive option as the tool gets worn out with a frequent need of replacement.

With the laser scoring technology we are able to offer a non-contact, clean processing solution that eliminates the need for mechanical tooling or associated consumables. The laser system is capable of precise scoring process that adds accurate features not obtainable through other mechanical methods. This also reduces production downtime, as



pattern or design modifications are made rather instantaneously.

The high-quality laser scoring technology that we have invested in provides the ability to precisely and consistently score flexible packaging at controlled depths at varying web speeds. Score lines are created in specified areas of the film/laminate, forming a narrow channel in the material for a tear to follow. Effectively, a laser weakens targeted layers of packaging material to produce score lines without compromising the barrier properties of the flexible film. Various laser scoring configurations like half-moon cut, wedge cut, umbrella cut, slant cut to name a few are possible at our packaging manufacturing plants" adds Mr. Anand.

"With the help of the value added laser scoring technology we have offered easy to tear flexible packaging solutions to various FMCG brands of snack food, ketchups, condoms, pet food, tea, coffee, rice, spices etc. For a leading snack brand in India, we engineered a three layered laser scored diaphragm (opening) comprising PE/MET PET/PE which has spelled tremendous ease of opening for

end-users. The demand for laser scored easy to open flexible packaging has been on a rise not only in India but in overseas as well" concludes Mr. Arun Anand.

Emphasizing upon easy to open flexible packaging, Mr. Ashok Chaturvedi, Chairman & Managing Director, Uflex Limited said, **"Ease of opening a pack for accessing the product is fundamental to an end-user's overall experience. Some substrates within a laminate are really difficult to tear open without using a cutter/ blade. In line with our business strategy of innovation to create value added differentiation to the advantage of our clients, we have invested in sophisticated laser scoring technology that permits perfect incision in a laminate at controlled depths and variable web speeds. This in turn allows the consumers to easily open the pack, adding to experiential delight and upholding the very ethos of flexible packaging.**

For further information, please contact: Rohit Sharma, Manager, Investor Relations, PR & CSR, Uflex Limited, Mobile No.: 09910300187 E-mail: rohit.sharma@uflexltd.com, Website: www.uflexltd.com

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Innumerable Product Categories.

Trusted by the Largest Number of
Leading Brands Worldwide.

World's only Completely Integrated
Flexible Packaging Conglomerate.



*Manufacturing Globally
to Serve you Locally*

UFLEX is a 1.5 billion dollar co. with an integrated infrastructure spread over 450 acres across four continents. Operating from India, North America, U.A.E, Egypt, Mexico & Poland, the UFLEX expertise spans the entire spectrum of flexible packaging applications.

With a number of state-of-the-art plants and a team of over 5000 professionals from diverse regions and nationalities, UFLEX is today serving its customers in over 100 countries.



In over two decades of its intensive existence, Uflex has bridged all the gaps in its competencies offering complete solutions in the field of Flexible Packaging.

Uflex's one stop edge offers a vast array of innovative products under one roof that improve efficiency, enhance performance and aesthetics of a variety of products worldwide.



UFLEX LTD., Packaging Division, A-1, Sector 60, Noida 201301, Tel: 0120 6100121 , www.uflexltd.com

FLEXIBLE PACKAGING TRENDS 2017

Another year goes down the aisles of history but leaving the packaging space richer in terms of innovation; value for money and overall sustainability. Packaging is an evergreen industry. As long as products sell, packaging will continue to drape them. There can be ups and downs of different intensities on the basis of macro and micro-economic factors in different parts of the world, but the fact of the matter remains that packaging will always be in demand.

Some top research agencies from across the globe have charted out trends that will set the tone for the flexible packaging industry. Additionally, being India's largest multinational flexible packaging materials and Solution Company and hailing from our own experience of selling products in over 140 countries across the globe, we now present a narrative on the trends to watch out for in the New Year.

Sustainability will be the key: There is an ever increasing clamor for down gauged packaging. Light weighting and reduction at source will be an important governing point for packaging companies through the New Year and beyond. Moreover, the pull now coming straight from the end users assuming greater responsiveness towards the environment, packaging will irrevocably echo the sentiments. Yet more emphasis will be paid by the buyers towards recycling and reprocessing of post-consumer waste by the suppliers contributing to the circular economy;

Value added brand protection features: With counterfeiting plaguing the brands and eroding their hard earned equity, there will be an invigorated attempt in 2017 to take this menace head-on. Looking at the long term positive effect that anti-counterfeiting measures have on brand image, more and more brands will chose for impregnable brand protection solutions;

Packaging shapes and structures congruent to brand image: Brands are well personified assets and enjoy an image that the marketers are very conscious about. It is hoped that several consumer packaged goods companies world over



will opt to give their packaging designs a fresher look in line with the attributes that their brand stands tall for. One must not forget that 'Good packaging protects your product. Great packaging protects your brand'.

Coming to terms with online shopping: 2017 will be a year of limitless opportunities for E-commerce and online shopping even for the FMCG. Custodians are likely to leave no stone unturned for making their brands look as appealing and striking on click and mortar as they do in the case of a brick and mortar experience. Packaging will be revved up for rendering an unmatched online experience on e-tailing front. There will be more personalization and simplification of messages for the end users. E-commerce being a growing market, there will be a rise in protective packaging as e-commerce has made inroads to the smallest of towns apart from hitting the metros in the country.

Functionality zoom: In 2017 brands will pro-actively work with their packaging suppliers to increase functionality of the packs that are seen as a clear extension to the overall product experience offered to the consumers. More emphasis will be laid than ever on re-sealability; re-closability; ease of opening; ease of carrying and disposing.

Pushing up the product to package ratio: Efforts will be on to ensure that more product is packed inside the pre-defined enclosure. The size and shape of

packaging will be continually pruned and optimized for making economic sense out of the expensive retail shelves across the globe. Thus boosting the numerator and pushing down the denominator will be the earnest attempt by the brands and packaging suppliers.

Furthermore grey matter for packaging: In an ever evolving landscape, packaging intelligence is likely to get more astute, active and smart in the New Year. With IoT (Internet of things) already ruling the roost, packaging as an enabler will be far more intuitive and help providing instantaneous information to the consumers about the packed products. Be it the ingredients; physical location of goods in transit; conditions in which the product was produced and packed or the real time condition assessment of the product inside the packet. Packaging will pave way for accessing all pertinent information through the hand held devices used by consumers and other actors in the value chain. Packaging will be rendered more engaging for the GEN-Y in 2017 and the years that follow.

With the most contemporary technology and some of the best brains by its side, India's largest multinational flexible packaging materials and Solution Company Uflex is all geared to welcome 2017 and delightfully surprise its clients with its innovation galore.

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Industry News

UMA Group Adds 4th Unit in Gauhati:

For Last Thirty years, Uma Group has emerged as a leading manufacturer and exporter of Flexible Packaging Materials having a wide range of products and customized packaging solutions for application in various segments including Food, Beverages, Personal Care, Household, Pharmaceuticals, Industrial Products and many more. Since inception, we have never looked back and progressed from strength to strength in our pursuit for Pinnacle of Excellence and Customer Satisfaction.

UMA GROUP (UMA Polymers & UMAX Packaging) of Companies has got state of art infrastructures and across 20 Sprawling lush green acres in the middle of the desert. One of the Pioneers of flexible packaging in India, the company has been a leading name in packaging solutions for over 30 years. The group has 4 manufacturing units in MOGRA, JODHPUR, ABU, and GUWAHATI & offices in Noida, Gurgaon, Jodhpur, Mumbai, Bengaluru, Chennai, Calcutta and Guwahati.



To meet the increasing demand, Uma group has recently set up fourth unit at Guwahati with an installed capacity of 500 Metric Tons per month. The production has already commissioned in the IV unit in March 2017. With this new plant, the total groups installed capacity is 3200 Metric Tons per month (38400) Metric Tons per annum

Scholle IPN eyes to tap Indian aseptic packaging market with new plant

Mumbai April 12, 2017 Scholle Palghar facility

The US-based Scholle IPN, a leading player in the global bag-in-box packaging market, is eyeing to tap the expanding aseptic packaging market in India, especially the fruit juices segment, with the establishment of its new manufacturing facility at Palghar near Mumbai. While Scholle IPN primarily focuses on bag-in-box production, it is also a growing force for spouted pouch packaging and injection moulding of precision fitments for flexible packaging.

The Indian packaging industry has been showing robust growth with the central government predicting a climb from \$25 billion to \$35 billion over the next three years. From the product side, India is a very large producer of mangos and other tropical fruits which require aseptic packaging to effectively and economically distribute them throughout the supply chain. And this is an area of



opportunity, which Scholle IPN aims to tap with the new facility.

“Currently, all aseptic drum bags are imported. So, to resolve this difficult supply chain issue, we chose to install production capabilities in country. We already have facilities in other parts of Asia, and with the sizable market requirements and growing industry, India really seemed like the next, best place to build infrastructure,” commented Dhandutt Shah, managing director of Scholle IPN India Packaging Pvt Ltd, in a press statement.

ONGC Petro's Rs 30,000-cr petrochemical complex

The Dahej complex to have capacity to produce 14 lakh tonnes of polymers & 5 lakh tonnes of chemical, March 8, 2017

Prime Minister Narendra Modi yesterday dedicated ONGC Petro additions Ltd (OPaL) petrochemicals complex, located at Dahej (Bharuch, Gujarat) to the nation.

OPaL is a joint venture company promoted by ONGC, Gail and GSPC, implementing a grass root integrated petrochemical complex located in Special Economic Zone (SEZ) under Petroleum, Chemical and Petrochemical Investment Region (PCPIR) at Dahej, Gujarat.

This is the single largest petrochemical plant in India and at full capacity, will annually produce 14 lakh metric tonnes of polymers - viz. linear low density polyethylene (LLDPE), high density polyethylene (HDPE), polypropylene (PP) - and 5 lakh metric tonnes of chemicals such as benzene, butadiene, and pyrolysis gasoline. The product warehouse is one of the largest in India with an area of 128,250 square metres.

Cosmo Films to invest Rs 250-cr to set up speciality polyester films plant

The BOPET films plant, to be located in Maharashtra, will have a capacity of 36,000 metric tonne Mumbai April 10, 2017

Cosmo Films Limited, a manufacturer of multiple types of bi-axially oriented polypropylene (BOPP) and cast polypropylene (CPP) films, is planning to invest Rs 250 crores to install a new production line for speciality polyester (biaxially-oriented polyethylene terephthalate or BOPET) films by the third quarter of 2018-19.

The new line, to be commissioned at the Waluj plant site in Aurangabad (Maharashtra), will have a capacity of 36,000 metric tonne per annum (MTPA). This plant already houses BOPP lines,

extrusion coating lines, chemical coating lines, metallisers and a CPP line. The new production line will complement the existing BOPP capacity of 200,000 MTPA and allow Cosmo Films to offer a more comprehensive speciality product basket to flexible packaging, labelling, lamination and industrial applications.

“Speciality BOPET is one of the fastest growing substrates and we anticipate a strong demand for these films. This will enable us to do import substitution as well as take global market share,” said Pankaj Poddar, CEO, Cosmo Films Ltd.

Biaxially-oriented polyethylene terephthalate (BOPET) films offer high tensile strength, chemical and dimensional stability, transparency, reflectivity, gas and aroma barrier properties and electrical insulation.



Huhtamaki Foodservice unveils new paper cup with digitalised connection

Huhtamaki Foodservice Europe-Asia-Oceania has launched its new Adtone range of single-use paper cups with digital capabilities.

The new cups feature a heat-activated thermochromic label and a unique quick response (QR) code with a link to a specified website.

When a hot drink is poured into the Adtone cup, the heat activates the thermochromic printing on the label to reveal the QR code, which is controlled by special digital data management software. By scanning the QR code with a mobile device, users can access promotional websites and associated digital content.

Huhtamaki also noted that its management software ensures that each promotion code can only be used once and changes the digital content after use.

Japan’s Toppan picks up 49% stake in Max Speciality Films for Rs 200 cr

The new partnership with Toppan Printing will help strengthen MaxVIL’s speciality films business : Mumbai February 10, 2017

The \$ 6.8 billion Japan-based Toppan Printing Co Ltd will acquire 49 percent stake in the New Delhi-based Max Speciality Films (MSF), the flagship manufacturing business of Max Ventures and Industries Limited (MaxVIL), for Rs 200 crore.

The new partnership with Toppan, a multinational corporation with interests in information & communication, living & industry, and electronics, will help



strengthen the speciality films business and serve as a testimony of MaxVIL’s commitment to expanding its manufacturing business.

Cosmo Films commissions BOPP film line in Gujarat

The new line will increase the company’s BOPP capacity to 200,000 TPA from 140,000 TPA, Mumbai February 3, 2017

Cosmo Films Ltd has started commercial production from the new biaxially-oriented polypropylene (BOPP) film line at Karjan (Gujarat). BOPP films are widely used in the production of flexible food packaging, adhesive tapes, labels and lamination.

“The new line for production of BOPP films at Karjan (Gujarat) has been successfully commissioned ahead of schedule with capital cost lower than planned. The new line is the most advanced and the largest line available in the world today,” said Cosmo Films in a BSE filing.

The new line has a capacity of 60,000 tonne per annum (TPA) and will increase the company’s BOPP manufacturing capacity by over 40 percent to 200,000 TPA from 140,000 TPA. “It is expected to contribute to substantial growth in sales and profit in financial year 2017-18,” the company added.

Karjan plant site already houses BOPP lines, extrusion coating & chemical coating lines and a metalliser. The new high speed line equipped with automated changeovers will lead to an increase in power savings thus maximising overall operational efficiencies.

Parksons Packaging plant opens new plant:

Hyderabad: Parksons Packaging, a leading manufacturer and exporter of printed and laminated folding cartons, on Friday inaugurated a new folding carton plant in Sri City in Chittoor district.

Ramesh Kejriwal, the company’s Chairman along with Jean Pacal Bobst, CEO, Bobst Group, Stephen Plenz, Head, Equipment Div of Heidelberg group, inaugurated the plant.

Bobst, world’s leading suppliers of equipment and services to packaging and label manufacturers, and Heidelberg, a German manufacturer of precision offset printers, are the technical partners of Parksons.

Ramesh Kejriwal said that their strategy was to continuously expand their geographical reach and maintained that Sri City plant inauguration makes Parksons a confluence (sangam) of West, North and South, as they have units in these regions of the country.

“Parksons Packaging being one of the leading packaging solutions providers in the country, focusing on constantly driving innovation, it is preferred across the industries in different sectors.

We are confident that its presence creates a symbiotic ecosystem in Sri City, which is the home for food processing and beverage industries, FMCGs and other manufacturing industries,” said Ravindra Sannareddy, Managing Director, Sri City said.

TCPL Packaging invests in QuadTech technology to support move into flexible packaging

TCPL Packaging Limited, one of India's largest manufacturers of printed folding cartons, has installed its third QuadTech inspection system to further drive printing efficiencies as it moves to support flexible packaging.

TCPL has a long-standing association with QuadTech, having first deployed QuadTech's Autotron register guidance system in 1990. The latest QuadTech technology has been installed to support TCPL's newest rotogravure press, a Bobst Rotomac 4003, which will enable the company to print tipping papers for the tobacco market, and to print on flexible materials. TCPL, one of the two largest converters of paperboard in India, is already servicing this sector using two existing rotogravure presses with incorporated QuadTech inspection systems, and has seen the benefits the 100 percent technology offers.

DuPont Says Dow Merger on Track to Close By September

DuPont Co. and the Dow Chemical Co. said May 17 that they are on track to close their \$130 billion merger between Aug. 1 and Sept. 1—a deal that has been reviewed by major antitrust enforcers all over the globe.

The announcement means that the companies consider themselves close to an end to merger review by the U.S. Justice Department, one of the last major antitrust enforcers still reviewing the proposed tie-up. India, Australia and Canada are also still reviewing the deal, which the parties announced in December 2015.

India started an in-depth investigation into the deal in March. Schikorra said at that time that the companies "have been working constructively" with India's competition commission to clear the deal, and the parties "are confident that we can fully resolve any issues identified" by India.

Tetra Pak packaging solutions for food and beverages

Every day, across the world billions of litres of water, milk, juice and other liquid foods are consumed. At Tetra Pak, we have developed a range of packages to protect both the nutritional value and the taste of the products inside. Thanks to Tetra Pak technology, the packaging and distribution of liquid and food products to the consumer has been greatly facilitated.

We provide integrated processing, packaging, and distribution solutions for food manufacturing, and offer packaging machines for different packaging alternatives. From our network of production facilities, we also supply packaging material to more than 8,800 packaging machines across the globe.

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Unique grip. Ease of opening & drinking. Strong visual appeal. Read more about Tetra Prisma Aseptic 200 Sq with metallic film on Innovation creates Value

Huhtamaki awarded for Winning Quality and Service by Unilever

Huhtamaki were awarded the Partner to Win award 2017 for Winning Quality and Service by Unilever at a ceremony earlier this week. The award recognises suppliers that have delivered outstanding service to Unilever with an emphasis on quality, service levels and driving best practice.

The award is a major credit to the hard work conducted by the teams in our European sites supplying Unilever. Dhaval Buch, Chief Procurement Officer for Unilever, said: "The Partner to Win Awards recognise the outstanding work of Unilever's suppliers. Strong relationships with partners that share our sustainable growth ambitions are critical. They play a vital role in helping us to deliver our sustainability commitments and support our growth with their capacity, capabilities, innovations and new technologies. This year's award entries were stronger than ever and I would like to congratulate the 2017 Award winners for their exceptional contribution."

Flexible packaging market worth USD 125.66 billion by 2021

According to the report "Flexible Packaging Market by Material (Plastic Film, Paper, Aluminum), Printing Technology (Flexography, Rotogravure, Digital), Type (Stand-Up Pouches, Retort Pouches), Application (Food & Beverages, Healthcare, Cosmetics & Toiletries) – Global Forecast to 2021", issued by the MarketsandMarkets research company, the market for flexible packaging is projected to grow from USD 97.97 billion in 2016 to USD 125.66 billion by 2021, at an estimated CAGR of 5.11%.

Raw materials such as plastic films, aluminum foil, paper, and bioplastic are used for flexible packaging. Plastic films are further categorized into polyethylene, polypropylene, PVC, BOPET, EVOH, polyamide, and others (polystyrene). Out of these, polyethylene accounted for the largest market share in 2015. The BOPET segment is projected to grow at the highest rate from 2016 to 2021. BOPET is primarily used in the packaging of food & beverage products as it protects them from oxidation and also provides extended shelf life to the product.



On the basis of key regions, the global flexible packaging market is segmented into North America, Europe, Asia-Pacific, and RoW. The Asia-Pacific region accounted for the largest share among all the regions in 2015 and is projected to grow at the highest rate from 2016 to 2021, in terms of value. This is mainly due to the increasing demand for flexible packaging in China and India, coupled with the growing food & beverage industry in these countries. Owing to the increasing disposable incomes, the urbanized population is shifting towards packaged foods which are healthy and safe. Therefore, rising income and consumption level would also lead to the growth of the flexible packaging in this region.

Hot Melt Adhesives Market – Global Industry Analysis and Forecast 2024

The global market for hot melt adhesives is gaining significant impetus from the rise in the trading activities, leading to a high demand for packaging. The increasing construction activities across the world is also fueling the need for hot melt adhesives substantially. On the other hand, the volatility in crude oil prices and the easy availability of substitutes are likely to create hindrances in the higher adoption of hot melt adhesives across the world in the years to come.

Overall, the worldwide market for hot melt adhesives is expected to report thriving success over the next few years, rising at a CAGR of 5.20% between 2016 and 2024. The opportunity in this market is projected to increase from US\$6.00 bn in 2015 to US\$9.44 bn by the end of 2024.

Asia Pacific to Surface as Most Promising Regional Market for Hot Melt Adhesives

The global market for hot melt adhesives is spread across Latin America, the Middle East and Africa, North America, Europe, and Asia Pacific. With a share of more than 33%, Europe led the global market in 2015. However, following the gloomy economic condition and the Brexit referendum, the market may witness a slight decline in its market share over the forthcoming years.

Asia Pacific, on the other hand, is anticipated to emerge as the most promising regional market for hot melt adhesives in the near future, thanks to the increasing construction activities and demand for packaging as Asia Pacific is considered as the global hub for trading activities. China is anticipated to lead the Asia Pacific market over the next few years. Several other countries in this region, such as India and Japan, are also projected to report a high demand for hot melt adhesives in the years to come. Among other regional markets, the Middle East and Africa is expected to witness moderate to high growth while Latin America is anticipated to report a slow progress over the next few years.

Paharpur 3P - Gold Sustainability Award From Flexible Packaging Association - USA

Clinic Plus Strong & Long Health Shampoo

This shaped stand-up spout pouch is one of kind in the personal care segment. The package gives the user the feel of using a bottle because of its shape and similarity to the existing bottle. As a cost effective option, this pack helps the brand/product reach to the rural areas of India. This standup pouch also helps in better utilization of space during transportation and in market shelf display. The special spout dispenses required quantity for the end user, avoiding product waste.



FOLLOWING ARE THE NEW MEMBERS ENROLLED WITH IFCA. IFCA WELCOMES THEM HEARTILY AND WISHES THEM A GREAT TIME

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3. COLOURFLEX LAMINATORS LTD,

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4. COSMO FILMS LTD

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5. ESSEL PROPACK LTD

Kamala Mills Compound, Lower Parel, Mumbai-600013. Tel: 02-24819189

6. ITEK PACKZ,

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7. KANGNAM CHEMICAL CO LTD

8th Floor, Kangnam Building, 12, Seoun-ro, 1-gil, seocho-gu, Seoul,06733, Korea, Tel: +82-2-3415-8044

8. SWEET INDUSTRIES INDIA PVT LTD,

501-503, Parmeshwar Centre, 18, Dalmia Estate, Opp. LBS Marg, Mulund (W), Mumbai-400080. Tel: 022-61517100.

9. UMA PACKAGING

National Highway No 65, New pali Road, Mogra, Jodhpur, rajasthan-342802. Tel: 0291-2868287

10. UMA CONVERTERS PVT LTD,

Block No 868, Village Santej, Tal: Kalol, Dist. Gandhinagar, Gujarat. Tel: 02764-286181

New Barrier Adhesive for Flexible Packaging

New technology expands the boundaries of recyclable packaging by increasing functionality

Horgen, Switzerland – May 4th, 2017 – As one of the leading materials solutions providers to the packaging industry, the Packaging & Specialty Plastics business of The Dow Chemical Company (NYSE: DOW) launches its latest innovation at Interpack 2017: a brand-new adhesive solution which will help to maximize resource efficiency, favorably influence packaging cost, enhance recyclability and optimize the shelf-life of food packaging. Dow's innovative ADCOTETM L86-500 barrier adhesive enables the replacement of PET, metallized and aluminium-based packaging structures with an all-polyolefin solution which is easily recyclable in existing processes.

“Sustainability is increasingly important in the food and beverage industries, with all members of the value chain seeking to find innovative ways to promote recyclability whilst remaining cost competitive,” explained Jaroslaw Jelinek, EMEA Marketing Manager for Adhesives at Dow Packaging & Specialty Plastics. “With our latest innovation we meet the demand of flexible packaging industry players which are looking for more sustainable and effective medium barrier packaging.”

Keeping Food Fresh and Tasty with All-Polyolefin Packages

Key enabler of the all-polyolefin package from Dow is the ADCOTETM L86-500 Barrier Adhesive. Designed for medium barrier applications, it can provide additional protection against oxygen and moisture. The adhesive can help enable the production of a packaging that is recyclable in standard recycling schemes, resource efficient and has the same shelf-life performance as PET-based packaging. First all-polyolefin packages enabled by the new adhesive are showcased



at Interpack 2017 for aroma- and barrier-sensitive applications, such as coffee and cereal pouches, snack and dry pet food packs as well as wet wipes packages.

When used with selected existing barrier film products, our solution can help provide downgauging and layer simplification opportunities, whilst improving the flex-crack resistance of metallized or aluminium-containing structures. When replacing the PET with polyolefin, the amount of heat that could be applied at packaging lines in order to seal the pouch was decreased. Here, AFFINITY™ Polyolefin Elastomers from Dow were used as they can help enable sealing at lower temperatures, avoiding damage to the outside polypropylene layer, ensuring integrity of the package.

Delivering Integrated Innovation for Food Packaging

“Long awaited by the industry, the barrier adhesive novelty is the latest

addition to Dow's comprehensive product portfolio that can help ensure that food gets 'Fresh to Table'”, explained Roberto Rigobello, Dow's Marketing Director for Adhesives in EMEA. “'Fresh to Table' stands for consumer packaging innovations which help meet the needs of a rapidly evolving society, as well as the increasing demand for material performance and functionality, sustainability, cost effectiveness, brand differentiation, shelf appeal and consumer convenience. It is our commitment to continue to deliver sustainable innovation to the packaging industry.”



Other Dow products for the packaging industry that are also featured in Dow's Prototype Boutique at Interpack 2017 include: INNATE™ – bringing high abuse resistance for food packaging enhancement; AGILITY™ – to help run faster and lighter coatings; sealants such as AFFINITY™ to help run a faster packaging process with good packaging integrity; and MOR-FREE™ and ADCOTE™ adhesives – for efficient and reliable lamination.

FOOD
SAFETY



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REGULATORY
COMPLIANCE

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Introducing - new generation of flexo / gravure inks for **safe food packaging**

Packaging is continuously evolving to fulfil new demands in terms of protection properties, aesthetics, environment friendliness and safety. Safety in particular needs special attention due to stringent regulatory requirements and increasingly demanding consumer expectations, especially in case of food packaging. Inks, being an integral part of packaging, need to be carefully designed to fulfill safety and regulatory requirements.

Hubergroup's Gecko range of solvent based inks for flexible packaging have been specially designed to meet these requirements. Gecko is a unique modular ink system allowing to cover a multitude of applications with minimum of products and components.

To know more about Gecko, contact our specialists or write to us at gecko@hubergroup.in



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