

IFCA Star Award & Seminar 2022

15th September 2022

Grande, Bombay Exhibition Ground, Goregaon East, Mumbai

"Packaging at Crossroads"



www.ifca.net.in



Uflex Ltd



Brilliant Polymers Pvt Ltd.



Henkel Adhesive
Technologies India Pvt Ltd



Miraclon India Pvt Ltd



Hubergroup India Pvt Ltd



FUJIFILM Sericol India Pvt Ltd



GLS Films Industries Pvt Ltd



Orient Press Ltd



Print Dynamic



Indian Flexible Packaging & Folding Carton Manufacturers Association



IFCA STAR AWARDS - 2022

IFCA (Indian Flexible and Converting Carton Association) is a 57+ year old all India association of converters. We have 130 + members ranging from very large companies to medium and small companies. We engage and represent to regulatory authorities on all industry issues. We also provide a platform to our members, to dialogue among themselves on industry issues. The other activities include a Annual Award Event (Star Awards), participating in exhibitions. negotiating for better rates for our members in exhibitions, conducting seminars and publishing a quarterly magazine. The Chairman of the Executive Committee of IFCA is Chairman Suresh Gupta.

Packaging as an industry, more so the flexible packaging and carton packaging has had a strong and robust growth for last many years. The industry continues to offer innovative solutions to the problems faced by the end use industry. One of the drivers for growth has been the solution orientation and innovative spirit of the industry.

IFCA Star Award provides a platform for recognising and encouraging creativity and continuous improvement. This is a prestigious award for flexible packaging, carton packaging industry and associate manufacturers like in adhesives, films, and machinery etc. The manufacturers from the sectors participate widely and showcase their innovations in this competitive event organised by IFCA.

IFCA Star Awards 2021

The entries covered all the packaging technologies in different forms. Gravure and offset printing were used to create attractive design options. Pouch formations curtain formations

where on display with innovative options. Cylinder making technology was used to create attractive effect on the substrates. Embossing oil printing holography were used very effectively to add value to the packaging. The use of different films and surface coating technology like UV coating technology were used to create innovative packaging solutions for different sectors of consumer packaging.

The carton entries with innovative design, shapes, variety of decoration with foil stamping, spot UV coatings, innovative printing technology and attractive branding options were outstanding examples of innovative creation.

Flexible packaging submissions had attractiveness designs, variety of shapes and forms, both side laminate printing (a novel technology developed for specific brands) holographic design and security printing. Emphasis was mainly on environment friendly packaging biodegradable films, PE/PE laminate structures, mono polymer structure for easy recycling, replacement of PET with more environmentally friendly structures, replacement of soap rappers with recyclable wrappers.

Film manufacturers lent their support to the innovation in packaging. There were films with anti-bacterial properties biodegradable BOPP films breathable barrier laminate films, innovative CPP films high heat resistant films and anti-skid property films. These innovations gave a great support to develop of new flexible packaging laminate structures for food Pharma and variety of consumer products.

Inks adhesive and coating manufacturers also showcased their innovations. Very special inks have been



developed which are import substitutes. Emphasis was also on environmentally friendly inks such as toluene free inks, nitrosamine free inks and water-based inks. Similar development was also seen with adhesive and coating where environment concern was the primary objective.

Tube manufacturers displayed new innovations in tubes structures replacing aluminium tubes and PET bottles innovative printing techniques such as 360-degree printing made them look very attractive.

Plastic waste management company presented the technology to convert plastic waste into useful articles does highlighting how plastic waste could be useful as well.

Machinery for packaging also played a significant role. Innovative cylinders to give pyramid printing, hand embossing and many attractive options for printing

The entries were examined by judges who are experts in the field of packaging. The winners were identified for the award by the judges through a rating system.

A short summary of each winning entry was given in the Winners Brochure in this magazine for getting the brief information about the excellence in packaging innovations.

The 2021 awards event was held in December 2021 at Pragati Maidan , New Delhi.

UFLEX LTD

PRODUCT: FLEXI TUBES WITH HIGH ENDED GRAPHICS

CATEGORY: BEST BRANDING

DESCRIPTION:

FLEXITUBES with High-end Graphics and Matte Finish for Denver.



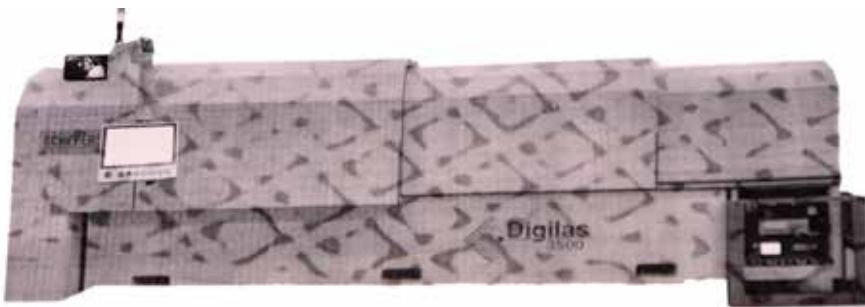
UFLEX LTD

PRODUCT: ARTIFICIAL LEATHER EFFECT ON PVC/PU/PAPER THROUGH LASER EMBOSSING

CATEGORY: INNOVATION

DESCRIPTION:

Artificial Leather Effect on PVC/PU/ Paper through Laser Embossed Cylinder for Decorative Textile Industry



UFLEX LTD

PRODUCT: 3D FLOWER DESIGN THROUGH LASER EMBOSSING

CATEGORY: INNOVATION

DESCRIPTION:

3D Flower Design through Laser Embossed Cylinder on Artificial Leather (PVC/PU/Paper)



UFLEX LTD

PRODUCT: F-ISB PET FILM FOR COLD BLISTER PACKAGING

CATEGORY: INNOVATION

DESCRIPTION:

F-ISB PET Film for Cold Blister Packaging Applications



UFLEX LTD

PRODUCT: CUSTOMISED PROFILE POUCH WITH V NOTCH & D SHAPE FOR MTR IDLI BATTER

CATEGORY: INNOVATION

DESCRIPTION:

Customised Profile Pouch with V Notch and D-shape Handle for MTR Idli Batter by UFlex



UFLEX LTD

PRODUCT: FULLY RECYCLABLE TRANSPARENT BARRIER LAMINATE

CATEGORY: INNOVATION

DESCRIPTION:

Fully Recyclable Transparent Barrier Laminate for Snacks Pack in PP Mono Polymer by UFlex

UFLEX LTD

PRODUCT: HEAD & SHOULDER 3 LAYER MET PE BASED RECYCLABLE LAMINATE

CATEGORY: BEST BRANDING

DESCRIPTION:

3 Layer Met PE-based Recyclable Laminate with Excellent Bond strength for P&G Head & Shoulders Shampoo Sachet by UFlex



UFLEX LTD

PRODUCT: ASEPTIC LIQUID PACKAGING FOR FMCG/PHARMA & OTHER CONSUMER PRODUCTS

CATEGORY: BEST BRANDING



UFLEX LTD

PRODUCT: VICKS ACTION 500-HIGH BARRIER PE BASED PACKAGING STRUCTURE WITH EASY TEAR FOR P&G

CATEGORY: R&D INNOVATION

DESCRIPTION:

High Barrier PE-based Flexible Packaging Structure with Easy Tear-ability for P&G Vicks Action 500 by UFlex



UFLEX LTD

PRODUCT: GILLETE GUARD PE BASED MONO MATERIAL LAMINATE

CATEGORY: R&D INNOVATION

DESCRIPTION:

PE/PE Based Mono-material Laminate Packaging Structure for P&G Gillette Guard by UFlex

UFLEX LTD

PRODUCT: HOLOGRAPHIC LIDDING FOR PHARMA

CATEGORY: R&D INNOVATIVE



UFLEX LTD

PRODUCT: SUPREME SECURITY MASTER FRESNEL-ANTI COUNTERFEIT

CATEGORY: INNOVATION

DESCRIPTION:

Supreme Security Master Fresnel & Sterling Stamping Foil for Anti-Counterfeiting Applications and Premium Aesthetics by UFlex

UFLEX LTD

PRODUCT: B-TGM OUTSTANDING OXYGEN BARRIER TRANSPARENT BOPP FILM

CATEGORY: INNOVATION

DESCRIPTION: B-TGM Outstanding Oxygen Barrier Transparent BOPP Film for Food Packaging Application by UFlex



UFLEX LTD

PRODUCT: HOLOGRAPHIC LENS EFFECT WITH FLOATING IMAGE-ANTI COUNTERFEIT MEASURES

CATEGORY: INNOVATION

DESCRIPTION: Holographic Lens Effect with a Floating Image to Prevent Counterfeiting by UFlex

UFLEX LTD

PRODUCT: PLASTIC DECORATIVE THROUGH LASER FOR FASHION &TEXTILE INDUSTRY

CATEGORY: INNOVATION

DESCRIPTION: Plastic Decorative through Laser Embossed Cylinder for Fashion and Textile Decorative Industry by UFlex



UFLEX LTD

PRODUCT: HIGH BARRIER TRANSPARENT RECYCLABLE LAMINATE

CATEGORY: INNOVATION

ATHARV SAI FLEXIPACK LIMITED

PRODUCT: ID PARATHA - INNOVATION IN STRUCTURE & SHAPE OF THE LAMINATE

CATEGORY: STRUCTURE / INNOVATION

DESCRIPTION: This shape pouch feature provides dimensional suitability to both manufacturers and user. It most Compaq level with greater aesthetics comprehensive tooling research lead to such outrageous packing solutions. Overall, the pouch integrates eco-friendliness with trending packing fashion.



UFlex Powering Product Innovations with Focus on Brand Positioning, Sustainability & Value Addition

Maintaining its position as an industry leader while advancing its technology to constantly innovate and introduce new ingenious products & solutions, UFlex has announced an array of exciting launches alongwith impressive financial results in April-June 2022 quarter. The flexible packaging giant has always had a multi-pronged goal of providing top notch end-to-end value added packaging solutions while also setting high standards for sustainability in the industry and making the product grab attention.

Take a look below at the latest pack of innovations that UFlex has to offer to its customers,

By Flexible Packaging business

- 3D Pouch with Registered Window Metallization for Premium Brown Sugar by Triveni Engineering: After its recent success with Triveni Engineering for the packing of its premium crystal sugar, UFlex has come up with a three-layered 3D pouch with registered metallization for their premium brown sugar. The pack's structure is made of PET / Window MET PET and NAT PE. Its structure provides a metallic sheen look to the pack while allowing consumers to see the packed content that helps them make an instant buying decision. Owing to its 3D structure, the brand leverages on pack's standability at the base, and a side gusset that positions its premium brown sugar packs uniquely on the retail shelves.



- Profile Spout Pouch with Re-closable Option & Easy Pour Experience for BB Royal Cold-press Cooking Oil: Conventionally, edible oil has been packed in either a regular pouch or a rigid bottle. Such



packaging formats often offer limited differentiation on the shelves for buy as well as its use that sometimes could be quite cumbersome with oil spilling while pouring it. This development made by UFlex for BB Royal Organic Edible Oil is a unique offering for edible oil packaging applications in which the structure is made of PET / BON / PE with a spout for easy pour experience. This structure has emerged as a viable solution for packaging edible oil, and successfully replaces the need for rigid containers. Beyond convenience and striking aesthetics, its 3-ply packaging structure offers good standability that creates a unique shelf appeal on the retail shelves. The elegant look of the pack is achieved through a profiled format.

- 3D Pouch with Paper-based Barrier Laminate for Beachville Coffee Roaster: Around the world, coffee lovers have known to form an initial connect with their favourite coffee by its aroma. With the growing need for sustainability across the segments, coffee brands are turning towards more eco-friendly packaging formats like paper-based ones with attractive designs that make them stand out on the retail shelves. On these lines, UFlex has developed a unique pack for Beachville Coffee Roaster with a standable pack structure that offers good barrier properties to keep the packed coffee in the desired state. Its one side valve helps retain freshness of the coffee and prevents extraneous factors like moisture, air and more from affecting the quality of the packed content.



By Chemicals Business

- FLEXBOND SF WET LM 35 Water-based Adhesive for Wet Lamination Application: UFlex has developed FLEXBOND SF WET LM 35, a water-based synthetic adhesive designed mainly for wet lamination of clear



BOPP & PVC films to paper or duplex board applications with manual or semi-automatic machines. This adhesive when used on paper or duplex board offers excellent gloss and bond strength and can be applied via a smooth roller-coater. Being water-based, this product helps brand enhance their green footprint.

- Retort grade 2K PU Adhesive FL-EXCOTE HP 875/ FLEX-COTE HP 75: With growing demand for ready-to-eat food, the need for retort packaging formats is witnessing a sharp surge. Retort packaging formats allow packed foods to be warmed within the pack to be made ready for consumption. However, to strengthen the structure, adhesives play a major role in keeping retort properties intact, even when it comes in contact with boiling water. Understanding the requirements of retort pouching, the company has developed a 2-pack solvent-based PU adhesive specially designed for high-end retort pouch applications. Due to its super strong adhesion, the pack can resist a boiling temperature of 131°C for 30 minutes with upto 2 kilograms of packed pressure. This development is most suitable for food and pharma packaging applications.



By Packaging Films Business

- PET-based Silica Master-batch Solution for BOPET film: The packaging films business has enhanced the handling methodology of BOPET films with the development of a new PET Silica master-batch solution that controls anti-blocking properties in BOPET film development. So far, the flexible packaging business had been using 6,000 ppm to 10,000 ppm of Silica chips that comprises of 7.5% to 12.5% dosing used of silica chips for film production that facilitates easy roll handling and prevents the film from blocking hazards like rippling, wrinkles and other. With the development of this value enriched Silica Masterbatch solution



with upto 40,000 and 60,000 ppm, the packaging films business has not only achieved higher anti-blocking properties but has also been successful to make a significant reduction in production cost. Additionally with this development, the packaging films business has been able to lower down the dosage level to 1-2% for film manufacturers.

By Engineering Business

TOROSLIT-1650, a High-speed Turret Slitter for Wide Web Widths: With demand for packaging film on the rise, the need for a high-speed and high-performance slitter that overcomes the lim-



itations of conventional slitters has been gaining importance. To meet the demand for high-quality slitters, UFlex has developed a high-speed turret slitter with a web width of 1650mm. TOROSLIT-1650 overcomes the shortcomings of conventional slitters that were observed during pancake applications. It is a floor lifting, self-shaft chucking, tool-less unwinder that ensures perfect tension control and winding even while handling low gauge films ranging from 8 microns onwards. The fast and continuous change over from rotary cutter to razor cutter, further adds to the operators comfort while using the machine. This slitter comes with a turret type auto splicing re-winder with a quick and automated roll removal system. Its compact design is a big advantage that keeps from the need of large spaces for installation. Furthermore, adding to the accuracy and productivity are its automated blades placed at the core position that elevates overall slitting experience. Owing to its advantages, TOROSLIT-1650 is fast emerging as the preferred slitter for the packaging film manufacturers worldwide.

By Holography business

- Multi-coloured Holographic Textile Foil with New Pattern for Enhanced Aesthetics: The post COVID period has witnessed the emergence of a significant trend



in the holographic material application field. Fashion brands are on a constant lookout for recognition by the use of new, attractive bright and shiny reflective materials that scream for attention and signify nothing less than a celebration. Radiating an extremely futuristic vibe, the foil-effect fabric has taken the fashion industry by storm. With this trend, fashion gets enhanced into a joyous atmosphere of reflection and radiance, making it more eye-catchy and vibrant. Catering to the demand for aesthetic rich development in the textile space, the company has developed an array of appealing textile foil options that can stunningly make brands stand out. This development has gained acceptance of many textile brands.

- Fresnel Lens Self-Adhesive Holographic Labelling Solution to Prevent Counterfeiting & Enhance Aesthetics: Taking note of the pain area of brands on rising counterfeiting cases that jeopardise business interest coupled with the need for premium product positioning, UFlex has integrated Registered Fresnel Lens Technology in labelling solution to give a premium look by placing two lenses at the middle and bottom of the label. The Fresnel lens used on the printed area reflects light at multiple angles providing 3-dimensional depth and look to the product. The combination of a Fresnel lens that is reflective from various angles along with vibrant printing produces an effect that is both aesthetically striking and instantly recognizable for scrutiny. The printing technology combines two major features; the first is the registered holographic substrate while the second involves doing a precise re-registration printing on the same substrate, making it next to impossible to replicate using a compromised set-up. This application is used across several industry verticals such as FMCG, Automobile, Lubricants, Apparel, Liquor, Agro Chemicals, Personal Care and Electronics.



Plastic-grade Hot Stamping Foil for Premium Aesthetics on Stationary Products: In the competitive business landscape, Plastic Grade Hot Stamping foil is gaining widespread prominence as it adds a glow to products' appearance to make it stand out on the retail shelves. To help brands elevate their products' look and make it grab attention,



UFlex has developed Plastic-grade Hot Stamping Foil solution that is used for a very wide range of applications. This special plastic grade foil is suitable for plastic surfaces such as PVC and PP. It is widely used for writing instruments, picture frames, wall clocks, etc. This development is witnessing big orders especially from the stationery segment.

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About UFlex:

UFlex is India's largest multinational flexible packaging materials & solutions company and a global player in polymer sciences. Since its inception in 1985, UFlex has grown from strength-to-strength and has created a presence across all verticals of the packaging value chain – Flexible Packaging, Packaging Films, Aseptic Liquid Packaging, Holography, Printing Cylinders, Engineering and Chemicals.

With a 10,000+ strong multi-cultural workforce that works to develop innovative, value-added and sustainable packaging solutions, the company has earned an irreproachable reputation defining the contours of the 'Packaging Industry' in India and overseas, by providing end-to-end solutions to numerous Fortune 500 clients across various sectors such as FMCG, Consumer Product Goods, Pharmaceuticals, Building Materials, Automobile and more, in over 150 countries. Headquartered in Noida, UFlex enjoys a global reach with sophisticated manufacturing facilities in India, UAE, Mexico, Egypt, USA, Poland, Russia, Nigeria and Hungary.

A winner of various marquee global awards for its products' excellence, innovation and sustainability, UFlex became the 'first company in the world to recycle mix plastic waste' earning it recognition at Davos Recycle Forum in 1995. For more details, click on: www.uflexltd.com



PACKAGING FILMS BUSINESS

BOPET Films | BOPP Films | CPP Films | High Barrier Metalized Films | Alox Coated Films | Asclepius™ PCR Films | Speciality Films | Polyester Chips



ASEPTIC LIQUID PACKAGING BUSINESS

Brick Packs | Pillow Packs | Trio Packs | Ultra Lean Crown Packs | Curve Packs | Square Packs | 3D Lens Effects Packs | Holography Packs | Foil Stamping Packs | Aseptic Liquid Filling Line



CHEMICALS BUSINESS

Printing Inks | Ink Binders | Laminating Adhesives & Coatings | Specialty Chemicals as Polyols



ENGINEERING BUSINESS

Packaging Machines | Converting Machines | Recycling Machines | Specialty Product Machines | Aseptic Liquid Filling Machines



FLEXIBLE PACKAGING BUSINESS

Flexible Packaging Laminates | Pre-fabricated Pouches | Easy-tear Sachets | Big Bags | Block Bottom Bags | Premium Shower-proof Bags | FlexiTubes | Pharmaceutical Packaging | FlexFresh™ Modified Atmospheric Packaging | N-95 Masks



PRINTING CYLINDERS BUSINESS

Electromechanical Engraved Printing Rotogravure Cylinders | Embossing Rotogravure Cylinders | Robotic Laser Engraved Rotogravure Cylinders | Specialised Rotogravure Cylinders | Flexo Polymer Printing Plates | Flexo Elastomer Plates & Sleeves



HOLOGRAPHY BUSINESS

Holograms | Security Documents | Holographic Films | Holographic Aluminium Lidding Foil | Holographic PVC Blister | Paper & Board Transfer | Holographic Thermal Films | Sequins Films | Glitter Films | Hot Melt Foil Films | Hot Stamping Foils | Registered Lens Technology