



NEWS

A collage of images related to personal care and cosmetics. It includes a close-up of a yellow bottle, a colorful abstract graphic, two silver cylindrical containers, and various personal care products like 'SMOS olive oil', 'herbal care', 'SILK & CARE STRENGTH SHAMPOO', and 'CREAM'.

For Private Circulation only



UFlex Limited

India's largest multinational flexible packaging and solutions company



Packaging films

BOPET films, BOPP films, CPP films, high barrier metalized films, Asclepius™ PCR films, Alox coated films, specialty films and Polyester Chips



Chemicals

Printing inks, ink binders, waterbased, solvent based & solvent free laminating adhesives, UV & LED inks and coatings, specialty chemicals as polyols, primers and special effect coatings



Aseptic packaging

Innovation packs with holography and foil stamping, packaging materials for base/slim/ultra lean/crown/leaf/pillow/spectra/wedge/trio, aseptic filling lines 'Flexpress 10000', Asepto Pro technical services and ASip - u shape paper straw



Engineering

Packaging machines, converting machines, recycling machines, specialty product machines and aseptic liquid filling machines

Flexible packaging

Flexible packaging laminates, easy-tear sachets, big bags, pre-fabricated pouches, premium shower-proof bags, Flexi Tubes, pharmaceutical packaging, block bottom bags, FlexFresh™ modified atmospheric packaging



Holography

Holograms, holographic films, holographic aluminum lidding foil, security documents, holographic PVC blister, paper & board transfer, holographic thermal films, sequins films, glitter films, hot melt foil films, hot stamping foils and registered lens technology



Printing cylinders

Electromechanically & laser engraved rotogravure cylinders for printing, laser engraved coating cylinders for extreme high & low gsm, embossing cylinders, robotic laser engraved specialized rotogravure cylinders, flexographic polymer printing plates and flexographic elastomer printing plates



Manufacturing facilities: India | UAE | Mexico | Egypt | Poland | USA | Russia | Hungary | Nigeria

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IFCA NEWS, April - June 2024

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Editorial

Finally, the sound and the din of the election process and new government formation has settled down and we have a government in place. We can now look forward to serious business of new policy initiatives and legislation.

Real GDP or GDP at Constant Prices is estimated to attain a level of ₹173.82 lakh crore in the year 2023-24, against the First Revised Estimates (FRE) of GDP for the year 2022-23 of ₹160.71 lakh crore. The growth rate in Real GDP during 2023-24 is estimated at 8.2% as compared to 7.0% in 2022-23. India's retail inflation eased to 4.75% in May 2024, the 12-month low since May 2023. The overall growth is reflected in the robust growth in GST and direct taxes. GST revenue achieved a new milestone, with a total gross GST collection of Rs. 20.18 lakh crore exceeding ₹20 lakh crore, a 11.7% increase compared to the previous year. The Gross collection (provisional) of Direct Taxes (before adjusting for refunds) for FY 2023-24 stands at Rs. 23.37 lakh crore showing a growth of 18.48% over the gross collection of Rs. 19.72 lakh crore in FY 2022-23. India's GDP is expected to grow anywhere from 7% to 7.5%, if we were to believe various Indian and Global financial institutions.

These promising numbers should set the pace for further expansion of the economy and more job creation in the coming years!

The challenges, however, continue. We must create jobs quickly and absorb our young population into productive activities. We need to provide the right environment for increased capital expenditure in the private sector. The trust deficit which exists between government and industry, especially about tax issues does not help. We need to quickly set up a framework for startups to access capital from other sources beyond private equity. There are quite a few areas where an open and proactive government policy will help.

The global environment continues to be volatile. The geo-political environment continues to be stressed with conflicts. The quest for world leadership continues with countries aggressively posturing and competing. As a nation much will depend on how successfully we navigate these pitfalls to ensure a sustainable and better life for our people.

We as a packaging industry continue to face challenges of low margin, skilled labor shortages and tightening compliance on waste management. As an industry, companies which are agile, engaging and responsive will survive, others will be swept away into oblivion.

This is a bitter truth, which we need to recognize and act!

As an association, we continue to be actively engaged with issues which affect our industry. We have recently appealed along with five of our members, against the proposed anti-dumping duty on aluminum foil imports from China.

We want to be more proactive about the issue the shortage of skilled workers for our industry, we will be closely coordinate with various packaging schools and our members for ensuring placement for graduating packaging technicians and engineers. We invite ideas from our members on how we can improve the availability of semi-skilled and skilled labor for the shop floor.

We are expanding our footprint and participating in more events and exhibitions. This is helping us attract newer members and improving the branding and positioning of our association.

The IFCA Star Awards 2024 edition will be launched in June end. The Star Awards event will be held in Mumbai on December 12, 2024. Last year we had a record number of entries. We want to break last year's record and look forward to your entries and participation in this year's event.

We request all our members to pay the annual fees if they have not done so far. We are a not for profit company and the only way we are able to fund our association is from membership fees, advertisements and event sponsorship.

- **Chandrasekhar Rajagopalan**



Mr. Ashok Chaturvedi, CMD, UFlex Limited, releases a report:

“Proposed National Standard for Scientific Estimation of Recycled Content” at an industry event

New Delhi, May 10, 2024: Mr. Ashok Chaturvedi, Chairman and Managing Director, UFlex Limited, today released a report on “Proposed National Standard for Scientific Estimation of Recycled Content” for EPR reporting at an event organized and hosted by **Plastic Packaging Research and Development Centre (PPRDC)**.

Speaking on the occasion **Mr. Ashok Chaturvedi, Chairman and Managing Director, UFlex Limited**, said, “At UFlex, sustainability is the cornerstone of our corporate strategy and as a global leader in packaging, we have made significant investments in recycling technologies to keep plastic in the economy and out of the environment. Currently, we recycle close to 30,000 MT of Multi-Layer Plastic (MLP) waste annually across India, Poland, and Mexico, and the goal is to reach 100,000 MT of recycling annually by building additional global recycling facilities globally.

We laud the Indian government’s plastic waste management (PWM) and extended producer responsibility

(EPR) regulations that will transform the waste management ecosystem in India and accelerate the pivot to sustainable development and circular economy. However, there is a need to measure recycled content in packaging accurately and avoid

inconsistencies in EPR reporting. The study report by PPRDC, supported by CIPET and BIS, is a step in the right direction that proposes the development of a standardized measurement of recycled PE content in packaging by producers, importers, and brand owners to deliver on their individual and industry EPR objectives”.

The School for Advanced Research in Petrochemicals (SARP) – Laboratory for Advanced Research in Polymeric Materials (LARPM) at the Central Institute of Petrochemicals Engineering & Technology (CIPET) in Bhubaneswar, conducted a study recently which explains a method of determining rPE content in packaging materials. The study recommends FTIR spectroscopy and DSC-based thermo-analytical techniques to develop a National Standard or operating/audit

process to assess and regulate the recycled content of PCR plastic packaging. This helps discourage practices like green-washing and waste fraud that diminish circularity and erode public trust in plastic recycling.

This study report builds on previous findings of SARP-LARPM, CIPET, in collaboration with the Foundation for Innovation & Technology Transfer, IIT-Delhi, for the method of determination and estimation of mechanically recycled PET content in packaging materials. Earlier, these institutes recommended using a UV-Vis Spectrophotometer to accurately predict the recycled content in v-PET/rPET composites.

In addition to the launch of the study report, government and industry representatives discussed a wide range of topics including the scope and status of EPR implementation in India and the challenges faced by producers, brand owners, and importers in complying with EPR guidelines, amongst others.

Notable industry speakers included Mr. Deepak Mishra,



Joint Secretary, Department of Chemicals and Petrochemicals (PC), Government of India, Ms. Meenal Passi, Head - Petroleum, Coal and Related Products Department (PCD), Bureau of Indian Standards (BIS), Prof. (Dr.) Shishir Sinha, Director General, Central Institute of Petrochemicals Engineering and Technology (CIPET), Dr. Smita Mohanty, Principal Director, Central Institute of Petrochemicals Engineering and Technology (CIPET): School for Advanced Research in Petrochemicals (SARP) - Laboratory for Advanced Research in Polymeric Materials (LARPM), and others.

PPRDC (www.pprdc.in) is a non-profit research and development centre established by the Multilayer Plastics Films Sanitation Trust. The event agenda included a briefing by representatives from key industry bodies and PPRDC executives on the proposal for the adoption of a national standard for regulating PCR in packaging and best practices for building a circular economy.

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About UFlex Limited:

UFlex is India's largest multinational flexible packaging and solutions company. Since its inception in 1985, UFlex has grown from strength to strength and has built a strong presence across all verticals of the packaging value chain — packaging films, chemicals, aseptic packaging, flexible packaging, holography, engineering, and printing cylinders.

With a 10,000+ strong multicultural workforce across global regions that works toward developing innovative, value-added, and sustainable packaging solutions, the company has earned an irreproachable reputation for defining the contours of the 'Packaging Industry in India and overseas.

It provides end-to-end solutions to numerous Fortune 500 clients across various sectors such as FMCG, consumer product goods, pharmaceuticals, building materials, automobiles, and more, in more than 150 countries. Headquartered in Noida, the National Capital Region, India, UFlex enjoys a global reach with advanced manufacturing facilities in India, the UAE, Mexico, Egypt, the USA, Poland, Russia, Nigeria, and Hungary.

A winner of various marquee global awards for product excellence, innovation, and sustainability, UFlex is the first company in the world to earn recognition at the Davos Recycle Forum in 1995 for conceptualizing the recycling of mixed plastic waste. For more details, please visit: www.uflexltd.com ■



UFlex to showcase innovative and sustainable printing and packaging solutions at DRUPA 2024

May 27, 2024, Noida, National Capital Region: UFlex Limited, India's largest multinational flexible packaging and solutions company, is participating in **DRUPA 2024**, the premier global trade fair for print and packaging innovations, scheduled to take place in Dusseldorf, Germany from **March 28 to June 7, 2024**. UFlex

will unveil its latest advancements and pioneering solutions spanning **its engineering, packaging films, flexible packaging, chemicals, printing cylinders, and holography businesses**, aimed at enhancing efficiency and sustainability in the printing and packaging sector.

Highlighting UFlex's commitment to innovation and sustainability, the engineering business will feature

its high-end CI Flexo Printing Machine Model ELISA-1308 and Combi Lamination Machine – Model CAMCO Excel 1300, and an advanced ReLAM recycling machine. Visitors can witness live demonstrations of all three machines at the show that underscore UFlex's dedication to delivering top-quality engineering innovations to drive efficiency and sustainability in the printing and packaging industry.



UFLEX
'A part of your daily life'

Curious about sustainable innovations in packaging solutions?

Visit us @ Hall 9/C 30 for live demonstrations and expert insights

Asclepius™
Upto 100% post-consumer recycled PET content (PCR) films

drupa
the 1 for printing technologies

we create the future
May 28 - June 7, 2024
Düsseldorf/Germany

UFlex Limited
Packaging Films | Chemicals
Asepto - Aseptic Packaging | Flexible Packaging
Holography | Engineering | Printing Cylinders



UFlex's chemical business will showcase its latest water-based inks and adhesives designed to elevate sustainability in printing and associated processes. The holography business will showcase the company's industry-leading brand protection and anti-counterfeit solutions, demonstrating UFlex's ongoing commitment to innovative measures that safeguard and enhance brand equity.



UFlex's printing cylinders business will present technologically advanced printing cylinders at **DRUPA 2024**. These cylinders offer customized printing solutions for a wide range of materials, including various types of fabric and hard materials like PVC.

UFlex's ingenious solutions will be showcased at **Hall 9/C 30 at DRUPA 2024**, providing visitors and industry partners with the opportunity to experience their capabilities first-hand and explore their features and benefits.

Commenting on the occasion, **Mr Anantshree Chaturvedi, Vice Chairman and CEO of Flex Films International** said "We are proud to be at the forefront of innovation and customer-centricity in the global

printing and packaging industry. Our innovative solutions reflect our commitment to sustainability and enhancing efficiency for customers. We are excited to be at Drupa and look forward to fostering collaboration and driving innovation and sustainability."

UFlex's business ethos revolves around innovation with a clear focus on sustainability. With its advanced solutions, the company aims to spearhead industry-wide reductions in waste and production costs while advancing toward a circular economy. The company's commitment to environmental responsibility aligns with its intention to achieve carbon neutrality by 2035, contributing to a greener future. ■

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UFlex launches a slew of innovative solutions in the fourth quarter of FY24

Noida, NCR, May 29, 2024: In the fourth quarter of FY24, UFlex Limited's research and development and product innovation teams continued the momentum of developing sustainable and groundbreaking innovations across business verticals. The company's emphasis on research-driven innovation and commitment to sustainability led to several innovative product launches in the March 31, 2024 quarter.

Packaging Films Business

1. The "B-UUB-M" Outstanding Barrier Metallized BOPP Film: This film is an advanced solution crafted to meet the requirements of various packaging structures. It boasts a remarkable array of properties, specifically tailored for packaging dry fruits, beverages, chips, snacks, biscuits, cookies, and other confectionery and chocolate items. With an exceptional oxygen transmission rate ($<0.1\text{cc/m}^2/\text{day}$) and moisture barrier ($<0.05\text{ gm/m}^2/\text{day}$), it ensures prolonged freshness and quality retention. Additionally, its outstanding barrier to seal the aroma and good migration barrier guarantees the integrity of the packaged goods. Furthermore, its excellent metal adhesion, chlorine-free PVDC coated



film, and replacement of aluminum foil make it a versatile and environmentally friendly choice. Its ease of processing at high speeds adds to its appeal, providing an efficient solution without compromising sustainability. In essence, this film stands as a functional raw material, embodying innovation, performance, and eco-consciousness in modern packaging solutions.

Chemicals Business

1. FLEXSEAL WBHS 36: Formulated as a water-based dispersion, this eco-friendly heat seal coating offers excellent adhesion and heat-sealing capabilities across a range of substrates, from paper to paper and aluminum foil to aluminum foil. Moreover, it showcases remarkable resistance to both oil and water, further enhancing its versatility and reliability.



2. FLEXBOND FB DL 500: This water-based acrylic formulation is meticulously crafted for laminating films (such as clear PET or BOPP and Matt BOPP), as well as metallized films onto paper or duplex boards, addressing the requirements of the offset industries. It offers outstanding gloss and bond strength post-lamination, ensuring superior quality results. Particularly recommended for use with new dual metal rollers dry lamination machines for Monocarton applications, it delivers optimal performance and reliability.

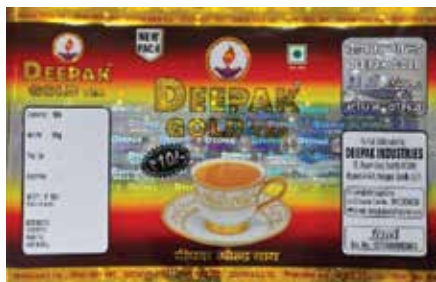


3. FLEXCRYL 6666: A halogen-free, sustainable polyester acrylate boasting outstanding adhesion to metals, plastics, and paper, along with good heat resistance, fast curing, and hardness. Tailored for topcoats and applications including flexography, dry offset, screen printing, and wet lithographic inks. FLEXCRYL 6666, serves as a vital raw material facilitating backward integration in UV and EB coatings and inks production that enhances control over quality, time, and costs with superior adhesion, lithographic properties, and rapid UV curing, it promises significant advantages.



Flexible Packaging Business

1. Premium packaging for Deepak Gold Tea: UFlex developed a new packaging for Deepak Tea that includes holography features that enhance the brand appeal and prevent counterfeiting. The brand name is also embellished with gold lacquer instead of a gold paste, enhancing the visual appeal.



2. **Stand-up spout for Asal:** UFlex developed a stand-up spout pouch for Asal idly-dosa batter – a South Indian ready-to-eat snack. This innovative 5-kg pouch features a 17mm spout for easy pouring and resealing, catering to the needs of institutional customers such as caterers, canteens in hospitals/offices, and hotels.

3. **Premium packaging for 'More Light' liquid detergent:** UFlex has developed a premium packaging structure for Jyothy Labs' brand, "More Light" liquid detergent, now available in a 5-litre spouted preformed pouch.



This pouch is the largest of its kind for liquid packaging in India. The innovative design of the new packaging for More Light's 5-litre pack ensures a leak-free seal with its specially engineered structure. The spout pouch's design facilitates multiple uses, enhancing brand visibility for consumers. Moreover, all corners of the pouches have been rounded to eliminate sharp edges, prioritizing safety and convenience.

Holography Business

1. **Redefines embellishment with high-refractive holographic sequins film:** The latest addition to the sequin's portfolio is the high-re-

fractive holographic sequins film, promising unparalleled brilliance and lustre. This innovative product is meticulously designed to cater to the discerning needs of the high-end market, promising unparalleled brilliance and lustre. Harnessing the power of advanced holographic technology and coating, this film generates breathtaking light and color effects, positioning it as the ultimate choice for premium fashion, accessories, haute couture, and upscale decor. With this innovative offering, UFlex's holography business sets a new benchmark for luxury and sophistication in embellishments, reaffirming its commitment to excellence in every aspect.

2. **Holographic security labels for the Pyrotechnics industry:** Counterfeiting poses a substantial threat to both safety and economic stability within the pyrotechnics industry, jeopardizing legitimate manufacturers. In response, UFlex's holography business has launched tailored holographic security labels specifically engineered for this market. These advanced labels, custom-designed for a prominent industry leader, incorporate unparalleled overt security features, serving as visible identifiers. By preventing replication, these labels ensure the authenticity of products, safeguarding brand reputation and revenue streams. The introduction of holographic labels has garnered an enthusiastic reception within the market, with industry stakeholders acknowledging their potential to fortify product integrity and bolster consumer trust. This successful venture



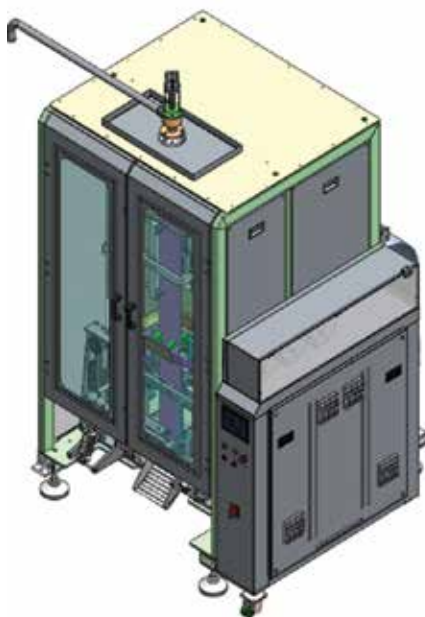
marks an expansion of UFlex's holography business into a novel sector, solidifying UFlex's position as a frontrunner in packaging and security solutions.

Engineering Business

1. **Asepto Speed 25000 machine:** UFlex, under the flagship of Asepto, introduced the next-gen, super-power Asepto Speed 25000 machine, an innovative engineering marvel that can process 25,000 aseptic liquid cartons per hour. It is the next-generation aseptic liquid filling machine with state-of-the-art technology that works at lightning speed with the convenience of an all-in-one portion-pack filling facility. One needs to fit in the paper roll and the machine works automatically to process it into the final folder. The machine has inbuilt chambers for splicing, stripping, sterilizing, filling, sealing, and dispensing processes that work with a click of a button. It is easy to operate and the complete process can be controlled through a human-machine interface. It is designed to boost the production capacity by more than double the speed of your current production.



2. **UFlex-flexi-liquid (double head):** The newly introduced machinery boasts an array of features designed to optimize operation efficiency. Its user-friendly interface ensures easy operation, while its low maintenance requirements minimize downtime. Despite its compact design and small footprint, it integrates seven servos, enabling high-speed performance. A specialized forming tool ensures uniform and superior forming, while the engineered filling system with positive cut-off guarantees precision. Additionally, a servo-controlled continuous



sealing mechanism maximizes sealing time, enhancing sealing quality and strength. The servo-pulling method ensures accurate and uniform eye-mark-to-eye-mark pulling. Notably, the machine facilitates seamless roll changes without halting operations. Optional features include an auto splicing system, online coding system, and outfeed conveyor, further enhancing productivity. Customer color preferences are accommodated, and pouch-making capacity varies depending on film material and thickness. It's important to note that equipment improvements may lead to changes in appearance and optional features are sold separately from standard equipment.

Printing Cylinders Business

The business has introduced a new embossing line at its Noida facility and remains committed to manufacturing printing cylinders compatible with water-based inks.

Awards and Accreditations:

- UFlex has been awarded 'Most Preferred Workplaces in Manufacturing 2023-24' by Team Marksmen.
- UFlex has been conferred an award for outstanding business association in the exports category by Container Corporation of India Limited (CONCOR).
- UFlex has won 10 awards at the

SIES SOP Star Awards 2023 across its businesses for Packaging Innovation and Creativity.

Packaging materials and components

1. "F-POX" Excellent Oxygen and Moisture Barrier Transparent BOPET film for frozen and dry food packaging applications
2. "F-PSX" High Barrier AlOx Polyester film for dried meat snacks, confectionaries, and microwavable packaging applications
3. "F-AFR-M" Alu-Alu Replacement Metallized Polyester film for food packaging applications
4. Epoxy Acrylate Oligomer (Flexcyl 4444) developed for UV & EB curable coatings and printing inks used in flexible packaging applications
5. Flex Beam Matt Opaque white for shrink sleeve application
Labelling and decoration
6. 3D Flipogram label for the perfume industry
7. Registered holography pack for coffee packaging Food
8. Fully recyclable spout pouch using BOPP/PE films for Kissan Chotu pack

Others

9. GRS-certified recycled sequin film for the textile industry
10. Carving effect on hard PVC through laser embossing

Trademark and Copyrights:

- UFlex has been granted a trademark for FLEXZYME, **certificate no. 3285704 (TM No.: 4478049)**
- The UFlex Engineering business has been granted copyright for 'A high-speed VFFS packing machine with a double transverse sealing head for liquid filling and packing with servo motor having eccentric wheel or pneumatic cylinder or servo motor with belt drive' (**Registration No.: A-150337/2023**)
- The UFlex Engineering business has been granted copyright for 'Auto splicer unit for retrofitting to a conventional collar-type vertical form fill deal machine' (**Registration**

No.: A-150059/2023)

- The UFlex Engineering business has been granted copyright for 'High-speed twin aseptic pack packaging machine for liquid products' (**Registration No.: A-149688/2023**).

Participation in trade shows:

- **Indusfood Tech, January 8 to 10, 2024:** UFlex's Flexible Packaging and Engineering businesses participated in Indusfood Tech, a global platform to showcase innovative and forward-looking technologies and solutions in the food technology sector.
- **Plastfocus Exhibition, February 1 to 5, 2024:** UFlex's Engineering Business participated in this exhibition and displayed their two ground-breaking machines that transformed packaging in India – the CI Flexo Machine and the Combi Lamination Machine.
- **Aahar 2024, March 7 to 11, 2024:** UFlex's Flexible Packaging Business participated in AAHAR, the international food and hospitality fair, showcasing their latest advancements in flexible packaging technology which includes food-grade flexible packaging pouches and WPP Bags with various add-on features that boast versatile designs.
- **Global Pet Expo, Orlando, Florida, USA, March 20 to 22, 2024:** UFlex's Flexible Packaging business participated in a premier event for the pet industry where they showcased customized packaging solutions including various types of pouches with add-on features, designed specifically for the pet food industry.
- **Cosmoprof Worldwide Bologna, Italy, March 21 to 23, 2024:** UFlex participated in one of the leading global exhibitions for the beauty industry, showcasing their customized, innovative, and sustainable packaging solutions for brands and businesses in the beauty and cosmetic industry.

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