

PRESS RELEASE

Uflex to display Fully Automatic Co-Extrusion Laminator at PLASTINDIA 2018

Noida, 22 January 2018: Extrusion Lamination is getting increasingly popular over adhesive lamination owing to myriad benefits it offers such as: alleviation of solvents/ compounds used in adhesives; ruling out white base ink-printing of the ensuing laminate by using master-batch in the extrudate that renders it white thereby bringing immense cost savings to the convertor; enhanced bond strength; consistent/ continuous production of laminate owing to auto-splicing feature of the extrusion laminator; no curing required as in the case of adhesive lamination thereby enhancing production throughput and much enhanced barrier properties as compared to adhesive lamination.

Taking cognizance of the popularity of extrusion lamination as a process, Engineering Business of India's largest multinational flexible packaging materials and solution company Uflex launched EL-1300 Extrusion Lamination Machine in 2016, which was very well received by the Indian convertors' fraternity. In wake of sustained demand, the company has been incessantly carrying out value-engineering to develop co-extrusion and tandem extrusion variants of the machine.



Mr. Ajay Tandon, President & CEO, Engineering Business, Uflex says, **“To meet the principal application of extrusion coating / lamination, Mono Extruder is good enough. However, considering the running costs and flexibility to play with various polymers, Co-Extruders are gaining traction. In addition to economising the costs, Co-Extruders also play an important role towards enhancing barrier properties owing to multi-layered combination. Tandem Extruder is also being**

developed so as to execute multi-layered jobs in single run for saving upon the process time.”

At PLASTINDIA 2018 that will run from 7 - 12 February 2018 at Ahmedabad, Uflex will be showcasing its **Fully Automatic Co-Extrusion Lamination Machine** that offers the following benefits:

- (a) Attainable lamination speed of 300 m/minute;
- (b) Automatic thickness measurement and control;
- (c) Corona treaters to seamlessly integrate treater into flexible packaging extrusion coating & lamination lines;
- (d) Independent drives for all segments of the machine;
- (e) Heavy Duty (sturdy) structure;
- (f) Motorized three axis movement of carriage for air gap setting;
- (g) Chamber type doctor blade for anchor coating;
- (h) T-Die with internal duckling & lip opening up to 1mm;
- (i) Unique design of lamination drum to maintain even temperature across the width;
- (j) Sleeve type coating nip as optional;
- (k) All three winders with turret auto-splicing and having edge position control;
- (l) AC vector grade motor with digital AC vector drives.

Further elaborating about the benefits of the Co-extrusion Laminator, Mr. Tandon said, **“This machine comes equipped with a back-pressure control system which enables to manage polymers of different MFI (Melt Flow Index) so as to maintain the homogeneity of the extrudate.”**

Talking about the need for engineering co-extrusion laminator, he further said, **“We developed co-extrusion laminators for the flexibility it offers towards using different combinations of co-polymers suiting the requirements of the customers in terms of better bond strength and barrier properties keeping in mind the overall characteristics of the substrates to be laminated. Co-extruder combined with a suitable feed block enables the convertor to alter polymeric combination for the 3 layered extrudate dropping. The combinations can be changed according to the needs of the ensuing laminate. For instance to get better bond strength one could use acid co-polymers on the two side layers and low cost additive in the central layer. The co-extruder that we will be exhibiting at PLASTINDIA can offer combinations like ABA, AAB and ABB.”**

Emphasizing upon sustained and incremental value engineering practiced at Uflex, Mr. Tandon said, **“We are going step by step. Initially we developed a co-extrusion laminator with attainable speed of 250 m/minute followed by the one with a speed of 300 m/minute that we shall be exhibiting at PLASTINDIA. In the times to come we shall enhance the speed to 350 m/minute and subsequently graduate to 400 m/minute.”**

Talking about the market demand and the concomitant response from Uflex, Mr. Sanjay Malik Sabharwal, Head of Production/ Marketing of Converting Machines at Uflex Engineering said, **“In the field of laminated flexible packaging no other Indian**

manufacturer makes these types of extrusion lamination machines. There is clearly a big need gap for Uflex to tap this market. There is an increasingly encouraging demand for extrusion laminated packaging by multinational food and beverage brands in India and overseas alike. We have a good order pipeline and expect to sell at least 6-8 machines in the coming year for this application. We have tied up with a subject matter technical expert from the western world having over 35 years of luminary experience in designing and running world class extrusion lamination machines for that market. This will help us making great strides in the international market as well.”

Expressing delight at the achievement of Engineering Business, Chairman & Managing Director, Uflex Limited, Mr. Ashok Chaturvedi said, **“Our Co-extrusion Laminator is a highly sophisticated machine that is Made in India. With the best in class technology at our disposal and some of the sharpest brains by our side, we are confident of taking this lamination machine to the international market in the times to come.”**

Visit Uflex at Hall No. 7; Booth B-4 @ PLASTINDIA, Ahmedabad from 7-12 February 2018

About Uflex

Uflex is India's largest multinational flexible packaging materials and Solution Company and an emerging global player. Since its inception back in 1985, Uflex has grown from strength to strength to evolve as a truly Indian Multinational with consumers spread across the world. Uflex today has state-of-the-art packaging facilities at multiple locations in India with installed capacity of around 100,000 TPA and has packaging film manufacturing facilities in India, UAE, Mexico Egypt, Poland and USA with cumulative installed capacity in excess of 337,000 TPA.

All Uflex plants are accredited with ISO 9001, 14001, HACCP & BRC certifications. Uflex caters to markets spanning across the globe in over 140 countries like USA, Canada, South American countries, UK and other European Countries, Russia, South Africa, CIS, Asian and African nations. Integrated within its core business profile are allied businesses like Engineering, Cylinders, Holography and Chemicals which further give Uflex a superior edge above competition.

Uflex Limited is also a part of the D&B Global Database and winner of various prestigious national and international awards for its products' excellence. Uflex offers technologically superior packaging solutions for a wide variety of products such as snack foods, candy and confectionery, sugar, rice & other cereals, beverages, tea & coffee, dessert mixes, noodles, wheat flour, soaps and detergents, shampoos & conditioners, vegetable oil, spices, marinades & pastes, cheese & dairy products, frozen food, sea food, meat, anti-fog, pet food, pharmaceuticals, contraceptives, garden fertilizers and plant nutrients, motor oil and lubricants, automotive and engineering components etc.

Some of Uflex's clients on the global turf include P&G, PepsiCo; Tata Global; Mondelez, L' Oreal, Britannia, Haldiram's, Amul, Kimberly Clark, Ferro Rocher, Perfetti, GSK, Nestle, Agrotech Foods, Coca Cola, Wrigley, Johnson & Johnson among others.

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