

Indian manufacturers go global

Packaging printing: Increasing prosperity across all levels of the population in India is driving a high demand for print media and printed packaging, creating optimum conditions for Indian printing machine manufacturers.

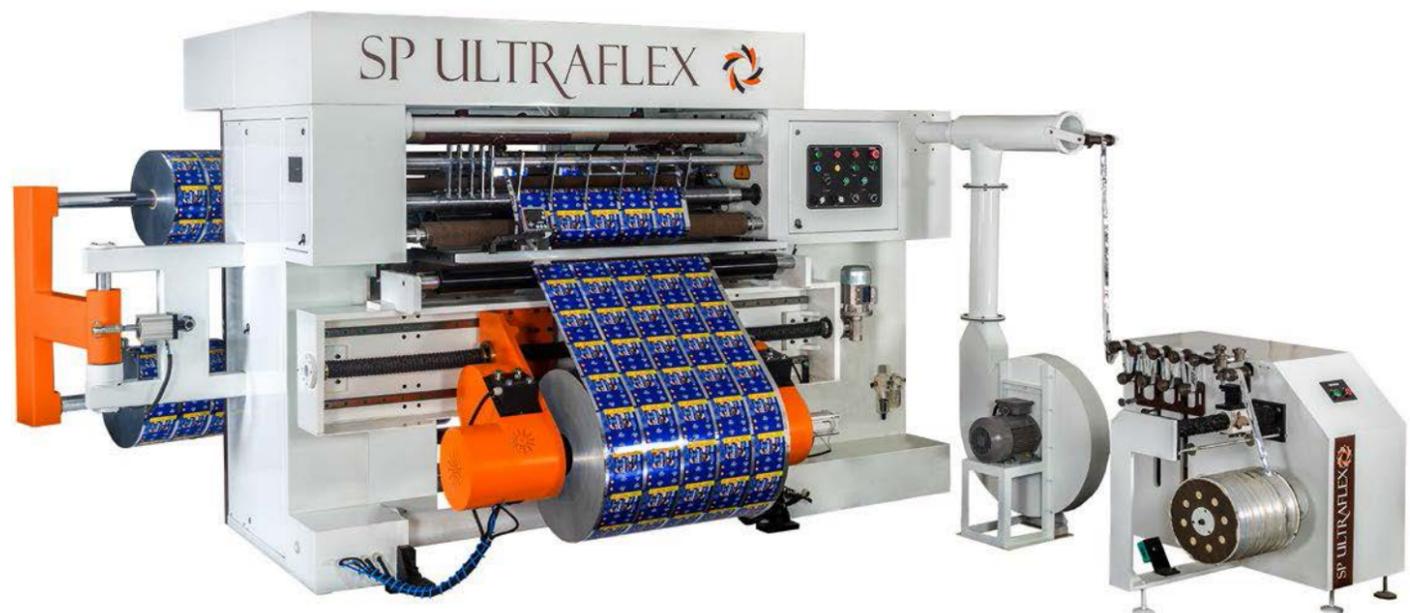
The Indian population is currently the second largest in the world. Experts expect India to overtake China within the next five years. This growth is accelerating the demand for print media, packaged food, and consumer goods – conditions that are creating the perfect environment for machine manufacturers in the printing industry. Among these are specialists such as slitting machine manufacturer SP Ultraflex Systems and the internation-

ally active rotogravure machine manufacturer Kohli Industries, two machine suppliers to the packaging industry.

Specialist in fast cuts

Originally a manufacturer of rotogravure printing presses, laminators, and slitters, SP Ultraflex decided to shift its focus toward developing high-quality slitting and rewinding equipment in 2005. The company

today offers the world's largest range of slitters for flexible packaging. SP Ultraflex Systems are completely convinced that success is something that can be achieved only when mechanical and technological expertise go hand in hand with state-of-the-art automation and drive technology. It was for this reason that the machine manufacturer chose to use Siemens systems for its automation solutions.



The new Roboslit from SP Ultraflex with dual turret slitter and innovative trim winding unit



Scoring points with standardized automation and optimized printing technology: the new Thea rotogravure printing machine from Kohli Industries

The company's flagship Roboslit dual turret slitter can process plastic films and flexible paper and aluminum-based packaging materials with webs of up to 1,650 mm in width and a maximum speed of 800 m/min. The Roboslit can optionally be fitted with a servo-driven positioning system to ensure precise positioning of the cutters. This significantly increases productivity and reduces setup time to less than five minutes. The trim winding unit, fully integrated and synchronized with the machine, is a particularly interesting product for production. As well as supporting a cleaner and less noisy production environment, this technology simplifies waste removal.

High performance for short runs too

For more than 45 years, Kohli Industries has been a leading manufacturer of rotogravure printing presses, laminators, coaters, and slitter rewinders for flexible packaging. The company introduced its "Thea" gravure printing press for small to medium print runs in 2015, and it quickly proved to be a real best seller. The outstanding features of this model are its completely automated reel changeover, web width control, and optimized

drying system. The consumer also benefits from very short set-up times thanks to shaftless print cylinders, recipe-based job management, minimum wastage through quick pre-register, and extremely high register accuracy during continuous run, acceleration, and splicing. The multiple-width print cylinders and ink trays ensure a high level of flexibility. What's more, production and energy costs can be kept to a minimum thanks to the optimized power ratings of all motors, heat recovery from exhaust air, and online monitoring of all parameters by energy meters.

"Thea" features seamless automation and servodrive technology from Siemens, with Simotics motors, Sinamics drives, Simatic HMI, and the latest Simotion Print Standard. Standardized automation minimizes the use of disparate components, offering a user-friendly, cost-effective, and convenient solution for users. Spare parts are thus readily available worldwide. The system can be connected to the existing customer ERP network, and an integrated modem allows easy remote maintenance without additional hardware.

Collaborating with a global partner like Siemens has greatly facilitated Kohli's efforts to design a sustainable, profitable, and efficient portfolio of machinery, making the company one of the industry's market leaders.

Experienced automation partner: SA Automation Pvt. Ltd.

When it comes to engineering, both SP Ultraflex Systems and Kohli Industries rely upon the expertise of experienced partner SA Automation Pvt. Ltd., a pioneering automation company located in India's metro-polises, focusing on converting and textile machinery. The company has a wealth of experience from cabinet building and PLC and HMI programming to complex motion control applications. The young and flexible team uses scalable products from Siemens to fully satisfy customers' requirements with regard to performance and costs. Commissioning, customer service, and servicing during retrofitting complete the picture. ■

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