

# Conversions

India



\*Captured here is the headquarter of WINDMÖLLER & HÖLSCHER, located in Lengerich, Germany.





Shri Prakash Werlemann-Gupta  
Managing Director - W&H India

# Where we stand!

We started 2023 with a great deal of gratitude and consideration. In the last few years, the globe has overcome many hurdles once more, and while we believe some of those hurdles are now gone, new ones are beginning to appear. The bright side is that we are becoming more resilient and effective because of all these obstacles. They regrettably leave us with burdens like the pressure of rising costs in supply chains. Thankfully, the market for flexible packaging is doing well because of the ever-rising demand and consumption. A highly encouraging development is that several high-end flexible packaging processing equipments will be installed in India in this and the following years.

Sustainability is at the forefront and now has become a very important responsibility for all of us, it's well understood that it's a must for our long-term survival. At the just finished Plast India 2023 which revolved around emphasizing on the importance of climate protection, the circular economy and digitalization, W&H displayed several products, such as MDO Stretched Barrier Film, improved CPP Barrier Film, light block bottom AD PROTEX Bags made with 24% recycled material, and many more innovations in sustainable packaging solutions. It gives me immense happiness to announce that the Indian supply chain will soon feature many of these solutions.



At W&H we understand the importance of these innovations and the value of service in keeping up-time, having efficient production, and giving our best to sustainably extract the maximum out of the machine. Which is why we make sure that we offer high-performance machines and first-rate service catering to specific needs in order to ensure a safe and dependable operation.

Along with our spare parts delivery and consumables, product offering also includes upgrades and retrofits to keep equipments up to date with our specialist at the Information and Diagnostic Center who are available at any time for phone, remote help, or visual assistance. Our service staff maintains a presence directly in the markets and keeps our customers production operating thanks to the highly qualified local presence in India which is one of the strongest Service bases out of approx. 500 people worldwide. The Life Cycle Service contract (LCS) enhances still better trouble-free operations. The increasing

number of contracts as well as prolongation show the confidence in us.

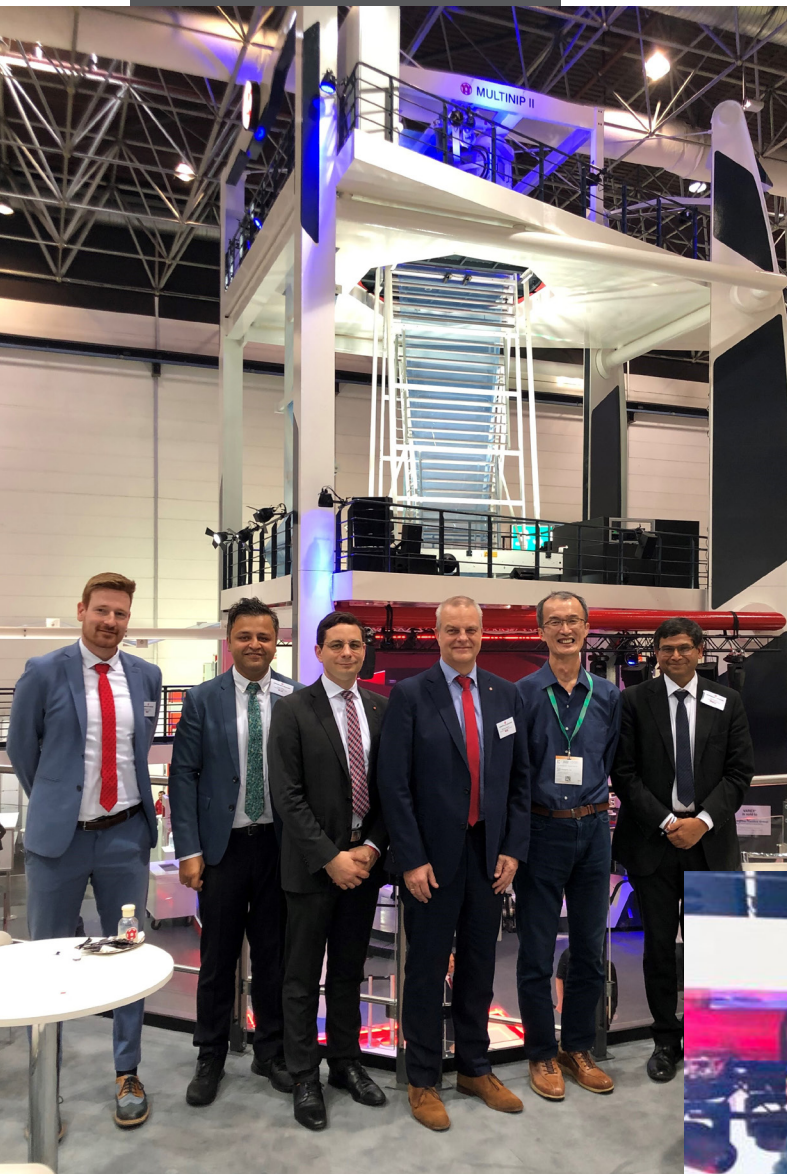
We understand how important service is to people and what role it plays today. Every day our team thrives to deliver nothing but the best tailor-made solutions.

This issue of Conversions tells the tales of our customer successes, which demonstrates that we adhere to our word and give you the finest service possible under any circumstance. I sincerely hope you enjoy reading it and feel motivated by the excellence, effectiveness, and adaptability we offer.

Vielen Dank

Jai Hind!





## Toppan Speciality Films (TSF) Invests in Future with Order of FILMEX II

“We wanted to express that we received excellent services & good capability machine from W&H. Our product development hence has been fast, and very quickly we have reached the level where we will be launching our speciality CPP range at Interpack, Europe in May 2023.

Support from W&H was seamless and efficient. We believe that this investment will make a significant impact on our business. W&H suggestions have helped grow our speciality product range effectively. – says **the Toppan development team.**

TSF’s vision is to become globally preferred supplier of specialty polymer films. This has translated into their investment in the W&H’s FILMEX II cast film line and has made us a part of their expansion.



Toppan Speciality Films, TSF (founded in 1990, formerly known as Max Speciality Films) is part of 13 Bn\$+ TOPPAN group, headquartered in Japan. TSF is one of the leading supplier of specialty packaging including sustainable ultra-high barrier solutions, value-added products for Labels, Coating and Thermal lamination films for the global markets.

With an annual manufacturing capacity of 80,000 TPA, total employee strength of 500+, State of the art “R&D centre”, BRC “AA” certification, NABL accreditation, GPTW certified, Golden peacock winners, continuous technology upgrades, new product development, and a strong commitment to customer service & quality, TSF has established itself as one of the top leaders in the industry globally. TSF is well known for its innovative, sustainable solutions that help customers meet their flexible film needs while reducing their impact on the environment.

FILMEX II, 5 layer is a flexible and barrier enabled cast film line, which comes with 5 extruders (+1 extruder for encapsulation) and 2.5 m wide. The unique Die Control Wizard is in this machine provides a much-needed flexibility and efficiency in comparison to the traditional cast film processes. The job change (film width and thickness change) is only a one-click task now leaving the operators focusing on other aspects of the production. The revolutionary SMBII extruder screws process all the available materials in the segment. The continuous dosing systems, well-polished melt pipes, exclusively designed feed block and futuristic winder technologies makes the machine highly efficient and productive. The automation modules coupled with top notch measuring technologies helps in achieving best market quality benchmarks. Feed block, die, and chill roll unit provide optimal solutions for the fabrication of mono-, multi-, and nano-layer films. The FILMEX II features completely included automation. The elegant and user-friendly PROCONTROL TS user interface encompasses all machine components, from pellet supply to winder.

“The crew at Toppan Speciality Films (TSF) is well-versed in delivering high-quality goods in a sustainable manner. Their interest in and purchase of FILMEX II was undoubtedly a wise decision since the machine is a one-of-a-kind piece of cutting-edge technology. We hope to serve and deliver this kind of excellence in the future as well” says **Divyanshu Katiyar, Technical Sales Manager.**

**TOPPAN SPECIALITY FILMS PVT. LTD.**





# Suraj Logistix adopts innovative solutions for a more sustainable cement packaging

India is the second largest producer of cement globally and more than 90% of it is packed in woven sacks.

Woven sacks are made of a single polymer family and are therefore already quite easy to recycle. Sustainability requirements for packaging products have increased worldwide and at the same time the need to develop better packaging products to protect the packed commodity has also gained further importance.

M/s Suraj Logistix Pvt. Ltd. (Suraj), a leading producer of PP woven sacks in India, has taken several initiatives in creating more sustainable woven sacks solutions for cement packaging. The Company has a strong commitment to the market it operates in and strongly believes in adhering to stringent quality parameters. The Company presently has an installed annual capacity of 50000 mt. of woven sacks.

Suraj Logistix has several W&H machines to produce high quality woven bags. Using innovative technology from these high-quality machines, Suraj Logistix has developed the following innovative product



## Light weight AD PROTEX block bottom bags for cement packaging.

Indian market is currently using 80-82g of block bottom woven bags. Using W&H machine technology and the W&H sack concept AD PROTEX LS, Suraj has produced 74g bags which are already successful in the Indian supply chain. The lighter weight bag is a cost advantage and makes the supply chain more efficient and sustainable.

## Light weight sewn woven bags

The benefits of tape extrusion technology from W&H were also utilized by Suraj for reducing bag weight for sewn woven bags, bringing it down from 77g to 65g for 50 kg cement bags and these bags have also been successfully implemented in the Indian supply chain.

## Bags with recycled materials

Recycling plastics to utilize used plastics back in the supply chain is a critical demand to help reduce the negative environmental impacts of plastic. Suraj Logistix has already developed both the AD PROTEX and sewn cement bags with up to 25% PIR. These bags are already active in the supply chain. They also plan to increase the production capacity of recycled bags.

“AD PROTEX block bottom bags are already a very sustainable solution, the bags are produced using hot air sealing and use no glue or threads. W&H’s Light and Strong technology is getting popular worldwide as it helps woven sacks solution become more sustainable and cost effective. We thank Suraj Logistix for partnering with us and investing in top-of-the-line technology. The results are excellent, and the developed products are a game changer for cement and bulk material packaging.” says **Mr. Shri Gupta, Managing Director W&H India**

“As a leading supplier of woven sacks, we feel responsible to make our solutions more sustainable and viable, we owe this to the industry and to the next generation. We are constantly working in this direction and the products developed are a result of extensive research and development. W&H technology certainly played a key role in our efforts. Also having complete turnkey woven sack plant from a renowned supplier helped a lot in these endeavors. We cherish our long-term partnership and look forward to work on more such developments.” says **Mr. Prakash Khemani, Director, Suraj Logistix.**





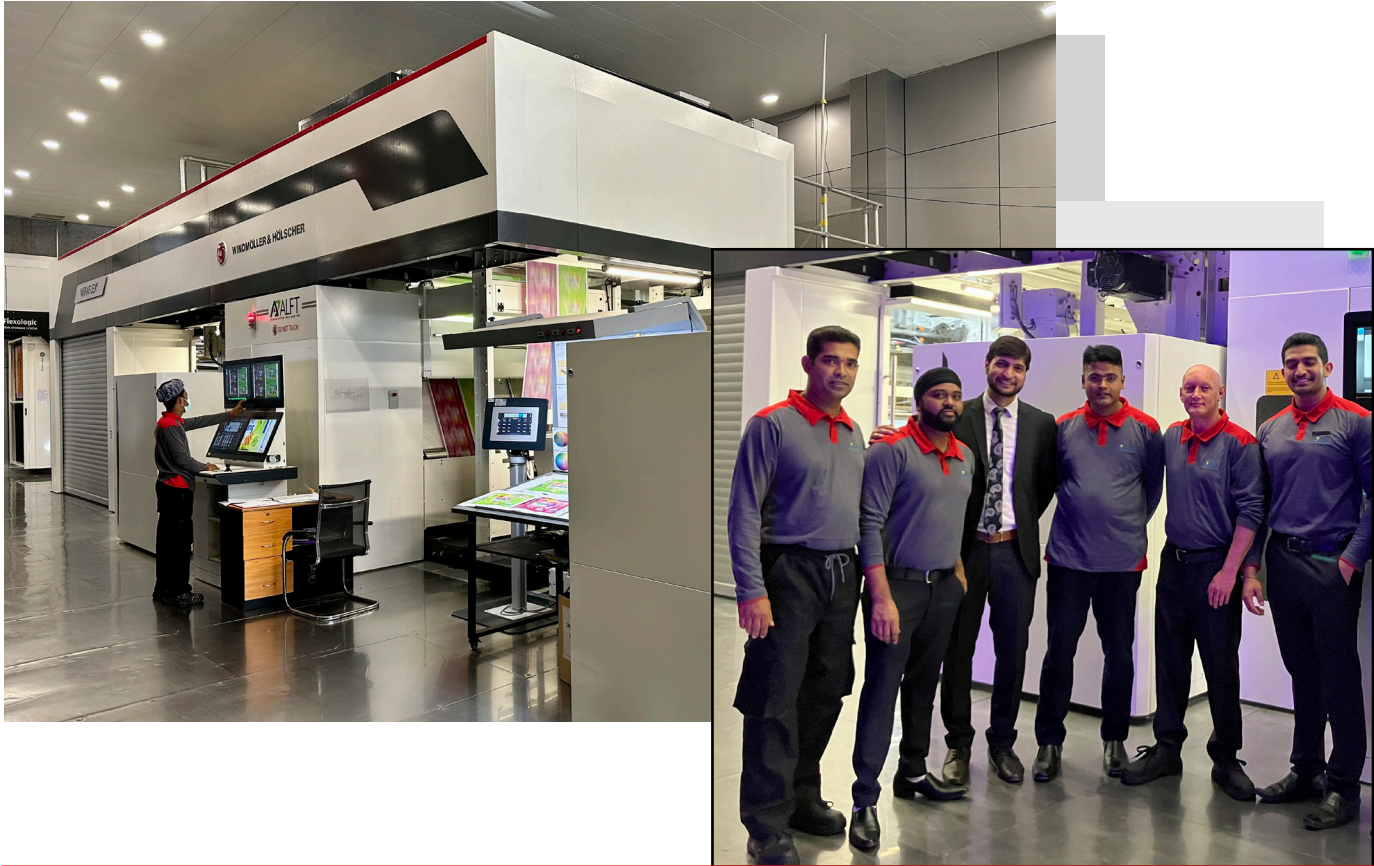
# ALFT Masters ECG Process on MIRAFLEX II for Improved Efficiency

“MIRAFLEX II installed at our plant is a very good machine. It performs up to the mark and to our expectations. We have been quite successful in converting many of the conventional rotogravure designs to Flexo with the help of our good team and the technology offered by W&H’s MIRAFLEX II. We are the first company in the whole Sri Lanka to implement ECG for printing the short jobs. Another highlight of the project is that we have an in-house plate making system from Kodak. Which helps us to be faster in the market from processing design to the final print.” says **Mr. Lakshman De Fonseka, Chairman of ALFT Packaging Company**



ALFT is one of the most innovative packaging companies with over 25 years in the industry, and is a hi-tech, internationally standardized, high-quality, next-generation packaging enterprise and now BRC AA certified.

Being a 100 percent locally owned company, ALFT is confident in its ability to grow further, help more local companies, and eventually break into worldwide markets. Their focus is to serve their clients with almost all the jobs’ sizes which is why they equipped themselves with MIRAFLEX II along with the best-in-class in-house plate making system from Kodak. Their passion for technology has helped them to choose the best.



During the Covid period in 2021, ALFT packaging installed the CI Flexo press MIRAFLEX II. The local staff from the W&H Indian office completed the installation, commissioning, and startup. Within a short period, the press was operating at 500 m/min, its maximum speed. The press has a ton of specific features that cut down on startup and changeover waste and changeover time. It is the most sophisticated and feature-rich printing press delivered to the nation.

The Easy Set HD and Reg D enable them to complete impression setting and registration of the most challenging and time-consuming jobs in 2 minutes 15 seconds without relying on the operator’s expertise. The print results obtained with integrated line scan cameras that optimize the print results in a closed loop are often the results that hardly need any additional manual optimization.

The space frame technology, satellite color deck arrangement, and powerful drying mechanism provide high-speed printing on all their assignments. With the least amount of solvent, the innovative turbo clean system (inking and washup system) produces the greatest cleaning results. The doctor blade chambers’ large opening and revolutionary pressure-free chamber design provide the best inking outcomes needed for high-speed printing.

Fully integrated 100% defect detection technology improves dependability even further and aids in online printing problem identification. Finding the source of the print defects is made easier with the help of the online root cause detection capability. This makes it easier for the operators to diagnose problems and operate the printing press confidently. All the fault detection data can be kept for a longer period for study in the future. It is possible to study the printed job data and identify the causes of errors to implement corrective

measures in subsequent production. As the icing on the cake, Ruby Check incorporates “AI” and assists in determining the reason of printing issues in addition to providing the fundamental capabilities of data recording, alarm creation, and remote access available in Ruby Go.

Rubycheck@slitter helps in filtering out and removing the print defects online in the slitting/inspection machine. The slitter stops automatically once it reads the defect which was detected during printing and confirmed by the quality department as a defect. The operator can cut out print defect regions. It helps in making sure that printed rolls with defects are not dispatched to the end customer or brand owners. Which is in line with their goal of “ZERO Defects”.

“The conventional four-color process (CMYK) can only produce a limited range of colors. Spot colors have traditionally been used to achieve colors outside the CMYK gamut. However, printing with spot colors is not cost-effective. With ECG we can add extra colors to CMYK, expanding the gamut and reducing the need for custom spot colors. This results in higher cost effectiveness with reduced downtime and wastage. ALFT has been able to effectively utilize and master the strengths of the MIRAFLEX II and the ECG process to cater to the short run and high-quality job demand. It gives us immense pleasure in being part of ALFT’s journey and future endeavors.” Says **Mr. Sunil Kumar, Technical sales Manager Printing.**





# First try and then trust: HELIOSTAR II receives a repeat order.

“HELIOSTAR II is a masterpiece and is a tailor-made machine. Every HELIOSTAR II is made on order with by considering the specific requirements of the customers. Our approach is always as a solution provider, we pitch the product based aon the customer’s requirement. We are proud to be the partner of Meghna group’s expansion projects in flexible packaging.” says **Sunil Kumar, Technical Sales Manager.**

Meghna group which is one of the leading conglomerates in Bangladesh, truly believes in higher outputs and creating minimum wastages which led them to choosing W&H as a partner.

During the busiest period for Industry, Meghna Foil Packaging Ltd. installed their first HELIOSTAR II rotogravure press toward the end of 2020. The local team in India from the W&H office completed the installation, commissioning, and startup. Within a few months, the press was operating at 400 m/min, its maximum manufacturing speed. Meghna team demonstrated their faith

by repeating the order with another 8 colour 400 m/min HELIOSTAR II in 2021 after seeing the W&H equipment and service quality. It has recently been installed and put into operation at the Meghna facility. The press quickly reaches its maximum operating speed of 400 m/min and has a ton of special features that cut down on startup and changeover waste and changeover time. It is the most sophisticated and feature-rich printing press in operation in Bangladesh.

The strong drying system and benchmarked inking system with the 3 o’ clock inking roller ensures high-speed printing on all their jobs. Super grip roller technology has written new records for handling sensitive substrates even on gravure machines. The press is capable of printing PE/MDO PE films and 10-micron BOPP at high speeds with perfect registration. A module like Heliocontrol ensures perfect registration even with low contrast inks and ensures reduction of job set up time. With Auto track system the splicing wastages are reduced to a minimum, in the range of 10 - 20 meters. A fully integrated 100% defect



detection system further increases the reliability and confidence in operators of not shipping the wastages to their brands. As a cherry on the cake Ruby check infuses “AI” and helps in finding the root cause of the printing problems along with basic features of data recording, alarm generation and remote accessibility of the production data.



“It is a workhorse and performs mostly at top speed with almost all our printing jobs. The highly automated printing machine has helped them in ramping up production quickly. Sooner we were booked, and we had to decide for another press. The hassle-free startups and reliable press technology made us repeat the order for HELIOSTAR II within a year. We are happy to be associated with W&H as a technology solution provider. Now we are running 3 machines from W&H. 1x VAREX II blown film line and 2x HELIOSTAR II printing presses. A huge service set up in India and local language support further boost our confidence in W&H.” says **Md. Humaun Kabir, DGM (Plant Head), Meghna Foil Packaging Ltd.**







# Tesa Tapes: Holding the world together!

tesa tapes is a 125 years old manufacturer of specialty Adhesive tape solutions head quartered in Germany , belonging to the group Beiersdorf. tesa operates in more than 100 countries through 67 entities with a comprehensive assortment of more than 7000 adhesive tape solutions that goes in to multiple verticals. In Flexo printing and Paper products, tesa provides solutions to improve process efficiency, both for plate mounting and splicing applications. Our ambition is to make life easier in the plate mounting world with advanced adhesive technologies and with a global team of flexo experts that helps to optimize the production line with cost-effective solutions & process-efficiencies.



Our Plate mounting solution includes 2 product assortments: **tesa® Softprint** plate mounting tapes & **tesa® Twinlock**.

tesa® Softprint is our well-proven family of plate mounting tapes providing highest levels of print quality and process efficiency regardless of the age, type of equipment, print job, plates, sleeves, or cylinders used for both Narrow & Wide web. tesa® Twinlock is a reusable, self-adhesive and compressible plate mounting sleeve-printing plate can be directly mounted on this sleeve.



After printing and plate removal, same adhesive can be reactivated for the next job. tesa® Twinlock is the answer to printers seeking sustainability targets.

## tesa® Twinlock : Sustainability Solution for Printing Industry

tesa® Twinlock is a reusable, self-adhesive, and compressible plate mounting sleeve – the printing plate can be directly mounted on the sleeve. After printing and plate removal, the tackiness can be re-activated, and sleeve is ready for the next job. tesa® Twinlock is the go-to product for Flexo printers who are keen on Sustainability goals

For more details,  
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# Inside the India Events



PLASTINDIA 2023





# WE LIVE FLEXIBLE PACKAGING

Whether it's **paper**, **film** or **woven fabric** – our roots and our future lie in the flexible packaging market. For over 150 years, we've been developing machines specifically to meet the requirements of packaging manufacturers. In the process, we've consistently undertaken pioneering work together with our customers and partners.

Today, we're the only supplier to cover the entire value chain from extrusion to printing and processing. Because we love developing solutions for the challenges of the future.

## EXTRUSION

### Film production for flexible packaging

As a film manufacturer, you need a plant that fits your requirements exactly. Our experts will advise you from selecting the right process to the optimum machine configuration. Intelligent assistance and automation systems make your production processes extremely efficient.

Blown film extrusion lines

Cast film extrusion lines

Automation and assistance systems

## PRINTING

### Printing on flexible packaging

As a printer, you need plants that print challenging designs efficiently and in the highest quality on flexible packaging. Our innovations often become the new standard in the market: From the first C. I. flexographic printing press to the first fully integrated web inspection system.

Flexographic printing presses

Gravure printing presses

Inspection and automation systems

## CONVERTING

### Production of industrial sacks

As a sack manufacturer and filler, you need the right plant for every industrial sack – whether it's made of paper, film or woven fabric. As the market leader in the industrial sack segment, our technologies are well-engineered and tried and tested. They're also getting better all the time: New developments leverage potential in your processes – for even more performance, quality and user-friendliness.

Tubers and bottomers

Material flow and palletizers

Circular weaving looms, tape stretching and winding systems



Find out more:

[wh.group/int/en/our\\_products/extrusion](https://wh.group/int/en/our_products/extrusion)



Find out more:

[wh.group/int/en/our\\_products/printing](https://wh.group/int/en/our_products/printing)



Find out more:

[wh.group/int/en/our\\_products/converting](https://wh.group/int/en/our_products/converting)





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