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NOVEMBER 2018

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Long live Flexo**

**Are labels becoming
more complex?**

**Waterless Printing
What it means**



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Editor:
Veerendra Malik

If there is one sector in the print industry which has shown a constant rise, it is the label sector. As consumerism grows so does packaging and the label on it. The worth of the product is judged by the attractive, unique and multi-process look of its label. It should be eye-catching so that the customer is drawn to pick up the product. To that end the print industry is always endeavoring to add value to the print label with flexo, gravure, foiling and UV etc.

Also relevant is the turn-around time and its uniqueness for that could be a major detriment to counterfeiting. Volumes which are the mainstay of large print houses are also there only in packaging and labels. Conventional printers in the field still swear by their product while digital press manufacturers are wooing them with expensive, new technologies which are multi-faceted and versatile.

The response and business done at Labelexpo India will be a good indicator of which way the label industry is headed.



Associate Editor:
Sunil Jain

I am happy to share the news of success of Delhi Printers' Association, which won the post of Vice President (North) in the recently concluded elections of the All India Federation of Master Printers. It was a joint effort of the former Presidents, Office Bearers, as well as Executive Members of the association which resulted in this victory. I am thankful to the Governing Council members of the various affiliates who stood by the candidates of DPA and also assure them that the chosen representative would work beyond their expectations in the interests of the print fraternity and will never let down the trust reposed in him.

I would like to congratulate Mr. Raveendra Joshi, who has been elected President of AIFMP, and his team of Office Bearers.

*Changing customer preferences, increased mobility, tightening regulations and technological changes are reshaping the Print Industry. The year 2018 has been a year of mixed fortunes for print manufacturers. Their focus revolves around the strategy – **“Driving relevance of Print Technology and Services in the Future Workplace.”***

*The flagship event of label industry, **Label Expo 2018** is being held from 22nd to 25th November at India Expo Centre, Greater Noida. It is a must visit exhibition to witness the latest technology in the field of printing related to labels and allied products.*

The National Awards for Excellence in Printing (NAEP) hosted by Madurai District Offset Printers Association, will be held on 22nd December, 2018 at Madurai. The last date of submitting entries has been extended to 25th November, 2018. Members should take the benefit of extension of the date and participate in the awards.

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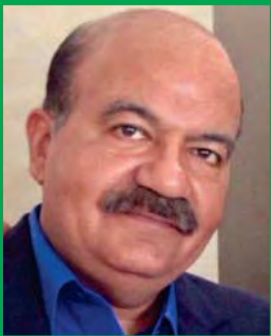


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It was a matter of great privilege for Delhi Printers' Association to host the 242nd Governing Council Meeting, 65th AGM and Election of office bearers of All India Federation of Master Printers at Hotel Pride Plaza in New Delhi on September 29 and 30, 2018, where a record number of over 350 delegates from all parts of the country attended. I am happy to say that in the election the post of Vice-President (North) was won by DPA's former President and its nominee Mr. Sunil Jain.

The proceedings of the GC meeting included information about submissions made by AIFMP to the Central Government for providing a major boost to the Make In India campaign and to enable the printing industry to grab a sizeable chunk of foreign exchange by exporting printed material as well as create employment opportunities. The attendees were also informed about the successful organisation of "Romancing Print-2018" at Kalyan in Maharashtra on 1st September 2018.

The 13th edition of AIFMP's National Awards for Excellence in Printing is being hosted by Madurai District Offset Printers Association at Madurai on December 22, 2018. The last date of submission of entries was 10th November but now it has been extended till 25th November, 2018. The theme of this year's NAEP is "ICONIC – Performance Outclassed". The award not only promotes young and upcoming printers for endeavouring to compete, but also provides a platform for innovators to demonstrate their expertise in aesthetics or any other latest technology. It also inspires other printers to emulate and work towards development of raw ideas. In its bid to ensure that maximum numbers of entries are submitted from Delhi and NCR areas, DPA has mailed the Entry Form and other details to all its members as well as other printers of the Northern region. Aspiring printers are requested to submit their worthy entries directly to Madurai or to the office of our association before 25th November, 2018.

As regards the burning topic of the huge upward revision of nearly 40% in the prevailing Minimum Wages in Delhi, the association is fully seized of the unbearable impact on wage bills of printing units, especially micro, small and medium entrepreneurs, DPA is planning to seek an early appointment with the concerned authorities and submit a suitable memorandum about the adverse outcome of such an impracticable wage hike on our industry.

Rajesh Sardana



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Samir Patkar takes over as MD Heidelberg India

Samir Patkar has been appointed as the new Head of Heidelberg India, effective October 16th, 2018. Samir will succeed Klaus Nielsen, and take over the managerial duties and responsibilities from the above mentioned date.

Klaus Nielsen, after 11 years of successful stint has decided to take up a new challenge outside Heidelberg India. During his tenure he made several achievements to the company and expanded the business in many areas.



Samir Patkar comes with more than two decades of experience in the graphic arts industry is a well-known person among the Indian printing fraternity; he is part

of Heidelberg group since 2001 and has successfully driven the Indian and Asia Pacific Gallus business at various management capacities.

Thomas Frank, Managing Director Heidelberg Asia Pacific says, "Under his leadership, Heidelberg India will bring you a more committed and customer centric approach and provide a professional level of service as always".

Samir will be operating from Heidelberg's Mumbai office.

Your response to



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Flint Group India Offers Non-Ketone, Non-Toluene Gravure Inks

Flint Group India is offering inks for solvent-based gravure lamination printing that are free of toluene and ketone-based solvent. The company is well prepared for the new regulations coming during the summer of 2019.

It is known that inks produced using toluene and/or ketone that are used for some packaging and labels can pose health risks. Flint Group's ArrowFlex and ArrowBond line of products in India address the market

requirement for inks that are safe for packaging and labeling of food and other consumer products and are designed to be used with existing equipment. There is no need to invest in new equipment to get the same high-quality print results.

"Not only have we developed a safe alternative, but we have also been able to eliminate the need for printers to invest in new equipment," said Upal Roy, managing director, Flint Group India. "Our objective

was 100% accomplished. With our ArrowBond and ArrowFlex inks, printers can achieve high-quality lamination print using their existing cylinders and other press equipment.

"These inks, which are already fully compliant as per BIS 15495 current guidelines and proposed guidelines for toluene-free products, have been in the market in Sri Lanka and India for over one year and have yielded the desired outcomes," added Roy. "The

inks are within safety limits, print results are stunning, and no new equipment has been necessary."

Anticipating the growing market in India, Flint Group invested a significant amount in 2017 to construct a modern manufacturing environment which includes state-of-the-art equipment specifically designed to support the production of these, and other, products.

Flint Group produces ArrowBond and ArrowFlex inks at its India mother plant location in Lamdapura. The facility in Lamdapura is a full service facility with employees working in manufacturing, technical service, customer service and sales. The facility employs more than 120 people focused on the production, service, and delivery of inks and coatings to package and label printers throughout India.



Nilpeter opens new manufacturing site in India

Nilpeter has opened a new, state-of-the-art manufacturing and development facility in Mahindra World City, Chennai, India, expanding the company's current global set-up.

The Danish press manufacturer has previously taken the corporate decision to move all FB-Line production to India. The 3,500sqm modern building houses manufacturing and assembly lines, R&D activities, a customer care center and a large technology center. It is home to over 70 Nilpeter India employees and will more



than double current press manufacturing capacity.

Alan Barretto, Managing Director, Nilpeter India, explained: '2018 marks the 10th year of operations for Nilpeter India, and we are delighted to celebrate the

occasion by moving into brand new facilities.'

'Starting out as an assembly unit catering to India, Nepal, Sri Lanka and Bangladesh, the last few years have seen us expand with shipments to Middle

East, Asia, Africa and Europe. With the new facility and the corporate decision to move all FB-Line production to India, we expect to supply more presses to Europe and the Americas in the near future.'

The new facility in India will complement Nilpeter's current manufacturing sites in Denmark and the US. With a stronger presence in India, Nilpeter said it is able to provide fast service and support to all customers in the region. Moreover, the new technology center will allow press demonstrations and trials for customers and strategic industry partners.

Amritsar gets its first Heidelberg Speedmaster SX74 at Printwell

Amritsar based commercial printer, Printwell, takes credit for being the first to install a new 4-colour Heidelberg Speedmaster SX 74 in the city.

"Associating with a world-class brand like Heidelberg is a key milestone in achieving our long-term vision. With this unique investment in innovation and productivity, we are confident of a step change in our

future earnings power," Gurinder Singh, Managing Director of Printwell, comments on his latest acquisition.

"With quicker make-ready and high speed print output, the SX-74 is a precise fit into our commitment of delivering on-time, top notch work," he adds.

A top-seller in its class, the Speedmaster SX-74 builds on Heidelberg's perfecting

legacy, combining technology of the XL class with the tried-and-tested SM platform, delivering productivity improvements of up to 30% over SM peers, at price points lesser than XL counterparts.

Designed for eco-friendly operations, the Speedmaster SX-74 cuts alcohol usage to 3% from 10%, saving 172 liters of alcohol for every ten million printed sheets. This is done by using special rollers in the Alcolor dampening system.

Peter Rego, Business Head - Equipment Sales of Heidelberg India states "The SX74 is equipped with surface technology to enhance service life and extend wash-up intervals. The color Assistant Pro component enables fully-automated monitoring of the ink fountain liner and self-calibration of ink zones, speeding up the inking unit

response by 50 to 70 percent."

Peter goes on to say "Integration of the Prinect Press Room Manager with SX-74 empowers the user to control all pressroom operations from the office. A user can monitor the current job, production speed, make-ready requirements, paper usage, idle time and much more. The Prinect software manages information to guarantee automatic and timely delivery of print jobs to production."

Heidelberg's proprietary Intellistart feature incorporated in the SX-74 compares the current press status with parameters of the next job, and generates the complete sequence of operations to be performed to change jobs intelligently and dynamically. On average, the Intellistart facilitates 70% fewer operations for every job change, with schedulable setup times and constant time savings.



Star Offset adds Konica Minolta bizhub C71cf for short run labels

Bhiwandi based Star Offset invested in the Konica Minolta bizhub press C71cf to cater to evolving print requirements and to expand into newer short run label market segments.

What has made the installation particularly fruitful for Star Offset is how the

bizhub PRESS C71cf ensures high print quality comparable to offset printing, while facilitating the seamless operability, accuracy, and flexibility of digital printing. Operating on dry-toner electrophotography, the bizhub PRESS C71cf is capable of producing a high

image quality of 1200dpi with a maximum speed of 18.9 metres/min. It can be used to print on a wide range of media – including plain paper, gloss-coated paper, matte-coated paper, synthetic paper, PP, and PET (stretched type) – and is capable of handling paper thickness of up to 176 GSM (for non-tack paper) and 256 GSM (for peeling paper).

Speaking about the impact that Konica Minolta bizhub C71cf has made, Spokesperson – Star Offset, said, “As a global leader in the print and printing space, Konica Minolta has developed several innovative solutions to help printing businesses maximise productivity and improve profitability. We are delighted with the results that the

bizhub PRESS C71cf has yielded for our business. The solution has seamlessly fit into our existing print setup and has enabled us to greatly expand the scope of our operations to cater to rapidly-changing printing requirements of today.”

C71cf Label Press at Star offset is sold by Insight Print Communication Pvt Ltd, who is sales partner of Konica Minolta. As per Sunill Thakeria, Director, Insight Print Communication, company believe Digital production is now a every day reality in the Label Printing industry. With Brand managers constantly trying to stay ahead of new Competitors, threat of counterfeiting and supply chain management.



Cosmo Films launches metalized velvet lamination film

Cosmo Films, a global leader in speciality films for flexible packaging, lamination and labeling applications as well as synthetic paper recently launched a metalized velvet lamination film for luxury packaging segment. The newly developed film has been engineered to offer intense silver colour along with rich velvet touch to the laminated paper/

paperboard or package.

Silver colour is not easy to handle especially when used as a background during printing. It takes longer to dry and also has a risk of ink set off during print stacking. Due to these challenges, printers usually avoid using silver as a background colour. However, graphic art designers prefer silver background as it allows them to make attractive

artworks facilitating use of many other shades and the impact it generates with gold foil stamping and UV spot coating. To bridge this gap, Cosmo Films introduced the metalized velvet touch film which is glueable, stampable and printable. The matte silver coloured BOPP based velvet touch lamination film needs to be laminated to the unprinted paper before going for printing or post lamination embellishments.

The film is available for both thermal and wet lamination in 32 and 20 microns respectively and offers excellent printability with offset, UV offset, screen, UV inkjet and laser printing. Apart from providing excellent scuff resistance, the film is perfect

for post lamination operations like UV spot coating, foil stamping & embossing. The film is ideal for lamination of premium products like perfume cartons, liquor & wine cartons, gift & jewellery boxes, shopping bags for luxury brands and graphic arts industry.

Speaking on the development, Pankaj Poddar, CEO, Cosmo Films said, “Packaging design is an important differentiator given that the brand owners are extremely conscious of their brand image and consumer experience these days. With the addition of metalized velvet film to the existing portfolio, Cosmo now offers an enhanced portfolio of premium lamination films to choose from.”





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Orianaa Decorpac invests in Omet IFlex

Vadodara based Orianaa Decorpac Pvt. Ltd., has installed the Omet IFlex label press. The press is an ideal solution for label printers who are looking to achieve lowest cost of production with minimum of resources.

The IFlex installed is 370mm, 10 colour all UV with one screen printing station, 2 cold foil stations, delam/relam, web turn bar and one die cutting station.

It is one of the smartest flexo printing press in its class and has performance features which are unmatched even by most high-end presses in the market.

Orianaa carries with it a legacy of over three decades of expertise and experience in the arena of Label Solutions.

Yogesh Shahani Managing Director Orianaa says "Omet with their experience, technological control in web tension and machine reliability met with our requirements"

Pawandeep Sahni, Director of Weldon com-

ments "Orianaa is a very innovative company offering a diverse range of labels and packaging materials. We are happy to have been selected to be their vendor partner for equipment."

The sale and installation of this machine manufactured by Omet Srl. Italy has been handled by Omet's exclusive agents Weldon Celloplast Limited, New Delhi.



VINSAK upgrades USAR line of Label Finishing

VINSAK has introduced three new products to its range of USAR line of label finishing.

Of the two new variants of its USAR range, the first variant allows a Standard Rotary die cutting unit for Roll to roll Labels, to be installed with a Sheet conveyor which allows the production of Wet Glue Paper labels, Sheets, and Cut and Stack Labels for Bottle Wraps.



The Second Variant, a modified new slit is developed to slit the Lami tube materials & Thin Films. Built with a large size dual rewind, the system has lay



on rollers for each rewind along with the necessary Static removal equipment to handle these products. An integration with Camera systems has also been developed for the same.

The first of these new variants has been installed at M/s Sky Pack India in Faridabad.

Vinsak Roll lifter (VRL Series) is another such innovation in series. It is a portable roll lifter equipped with safety brakes for loading unloading and transporting the rolls safely. The equipment is well suited to reduce and eliminate all the occupational hazards and injuries. It

reduces or even eliminates all the possibilities of accidents and material mishandling.

A New higher capacity Hoist and stronger frame designs have been developed to handle reels upto 250 Kgs in weight for 500mm width model, or upto 400 Kgs of weight for a 1000mm Width Model.

In 2018, VINSAK installed more than 25 USAR machines out of which 08 were exported to Packaging companies in the Middle East and Eastern Europe.



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Gallus ECS 340 at Unick Fix-a-Form to cope with increasing demand

Label printing specialists Unick Fix-a-Form & Printers Ltd invested in a new printing press, earlier this year, adding to their capabilities. The 10-colour Gallus ECS 340 label press compliments the Gujarat based label printing company's existing Gallus equipment.

Managing Director Hemen Vasa commented: "In recent years we have seen significant increases in demand for quality printed self-adhesive labels and multi-page labels, especially within the pharmaceutical and agrochemical market sectors. We took the

decision to invest in new equipment to cope with this demand and to further improve the quality and service levels we offer to our diverse customer base."

Vasa adds "In order to print on sensitive filmic substrates such as pearlescent BOPP or clear BOPP, one needs to have a robust machine in place because one needs to deal with static, use primers, plus it requires web cleaning device and corona etc. So we needed a machine that could take care of all of it. We found a solution in Gallus ECS 340".

Family owned Unick Fix-a-Form & Printers Ltd, based in the Gujarat region, manufacture a wide range of self-adhesive labelling and multi-page label solutions for supply into the pharmaceutical, agrochemical and FMCG sectors.



Flint Group to increase packaging inks and coatings prices in India

Raw material shortages, critical supply chain conditions, supply disruptions and continued cost burdens have necessitated Flint Group Packaging Inks in India to initiate a price increase with immediate effect.

Rising material costs coupled with increased global trading challenges, currency fluctuations and economic challenges in some regions are presenting the industry with a complex and volatile cost landscape.

Unprecedented price inflation has been witnessed in resins, titanium dioxide, pigments and key solvents; all of these feedstocks affect the cost base of both solvent-based and water-based inks and coatings.

Upal Roy, managing director, Flint Group India says "Despite our staunch efforts to mitigate these supply dynamics by deploying significant capital and internal

resources to efficiency projects, the cost pressure remains relentless. Recent price increases have not been sufficient to offset the cost increase burden and Flint Group cannot continue to absorb the rising costs internally. The situation now necessitates that we pass some increases through the supply chain."

"Product quality and consistency are essential for our customers which is why we will continue to prioritize efficiency improvements and the sourcing of high quality materials at a reasonable price," added Roy. "Customers can always rely on us for best in class products at the most economic cost possible" he added.



Weldon Celloplast appointed exclusive agents of Sonic Solutions USA

New Delhi based Weldon Celloplast Limited have been appointed exclusive agents in India, Bangladesh, Sri Lanka, Nepal, UAE, Saudi Arabia, and Pakistan Ultrasonic anilox roll cleaners from Mokena, Illinois USA headquartered Sonic Solutions, LLC.

Sonic Solutions is a leading global manufacturer of



ultrasonic anilox roll and sleeve cleaning equipment and cleaning solutions. With the broadest range of solutions and advanced systems, Sonic Solutions has been supplying the flexographic industry for over 25 years worldwide.

"It is our continuous endeavor to bring in world class products for the printing industry. We are committed to support the printing companies in achieving excellence in print" says KD Sahni, Managing Director Weldon

Celloplast. Our association with Sonic Solutions will bring value to printers by helping them become more profitable, efficient, consistent, and productive.

"This alliance with Weldon Celloplast Ltd. is an excellent opportunity to expand in this important region, considering the constant growth in label printing and flexible packaging in India and surrounding countries. Our wide range of product offerings are perfectly aligned with the market demand for cost effective

anilox roll cleaning options – from smaller rolls to our newest dual sleeve cleaning system. Our cleaning solutions save printers time and money so that their presses keep running," comments Joe Walczak, President of Sonic Solutions. "We're very optimistic with this alliance and how deeply entrenched Weldon Celloplast is within the flexographic market. We look forward to putting our trust with them. It's a great opportunity for both companies" he added.

Q.I. Press Controls further expands activities in India

Q.I. Press Controls strengthens its activities in India with five installations of mRC-3D systems.

Rakesh Dave, managing director of QIPC-EAE India, is delighted to respond to the different orders. He emphasises the versatility of QIPC's automation systems. "Every press and printing company is different, of course," he explains. "These orders also involve three different types of machines. For each specific installation, we will really deliver custom work. These orders show once again that QIPC systems can be integrated in any type of web offset press" he added.

Ahmedabad based Kalptaru Offset for its TPH Orient press and Natraj Print House for its Pressline press will install the mRC-3D system for colour register and cut-off control with two cameras.

The order Saraswati Press placed with QIPC consists of four different projects, all of which will be carried out at the Kolkata printing plant. Four of these are two colour register mRC-3D cameras installed on a NAPH Graphics press.

Hexagon Print & Pack in Mumbai has an mRC-3D colour register system installed on a TPH Orient



press. The QIPC system will contribute to a reduction in the number of lost copies and a more efficient production process.

Sanat Printers from

Sonipat has the system installed on its Harris M600 press to save on the number of lost copies and is convinced of the high technology used by QIPC.

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Flexo is dead. Long live Flexo

Shaping the next decade for packaging printers

By Laurel Brunner

A few traumatic years and much disruption in the graphics business has seen renovation and renewal in many parts of the industry. But none has enjoyed such dramatic rejuvenation as the flexo sector. Chemical and imaging advances are helping flexographers compete with alternative printing methods, including offset, gravure and digital printing. Flexo has shed its former, slightly dowdy, reputation as these advances create exciting new applications, business opportunities and highly capable manufacturing processes.

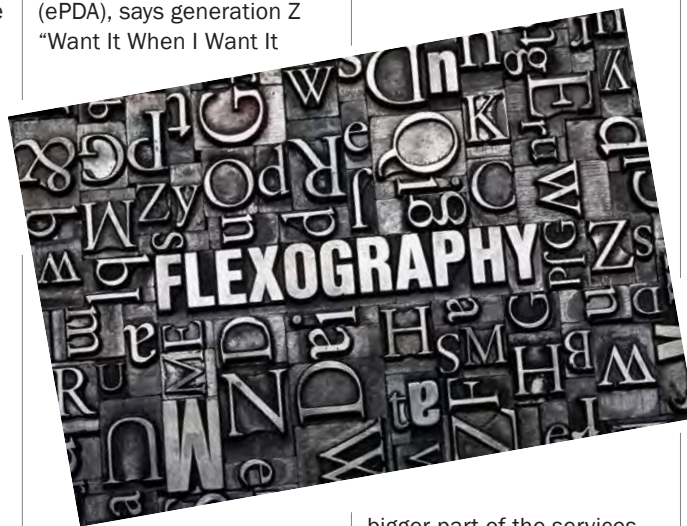
Packaging, flexo's traditional stronghold, gets a lot of attention these days. Digital press manufacturers are eyeing up the sector and packaging producers and brands want new ways to engage with customers. Rob Vermeulen, board member of the European Brand & Packaging Design Association (ePDA), identifies the Z generation millennials who

"don't want to communicate in the conventional way". Rob's colleague, Uwe Melichar, President of the European Brand & Packaging Design Association (ePDA), says generation Z "Want It When I Want It

of digital printing systems manufacturers working on packaging presses for on demand short run applications. In coming years digital printing will indeed be a

Looking good

Further improvements to flexo prepress will deliver yet higher output quality and productivity, and at a reasonable cost. The KODAK FLEXCEL NX System meets growing customer demands for tighter process control and faster job turnarounds. According to Chris Payne, President of Kodak's Flexographic Packaging Division, "we're at the beginning of this transition in flexo for packaging". The print method is both taking share from gravure and offset and seeing organic growth. As it becomes easier to control and results become more predictable, investment risks come down. Payne says "flexo is the most adaptable of all print processes and FLEXCEL NX Plate technology supports the step-change in on-press performance required to implement new and more efficient ways of working, such as a reduction in spot colour inks and the adoption of ECG [Extended Colour



Where I Want It" and expect more. "We see a movement from the major brands to the private label. The private label will become more and more strong and change their communications because they're not bound to the history".

This is music to the ears

bigger part of the services mix, but it will not dominate. Competing with flexo technology's speed and materials flexibility is tough and flexo technologies such as the KODAK FLEXCEL NX System, celebrating its tenth birthday this year, will ensure flexo's continued edge.

Gamut] printing. Ink and coating innovations, as well as new screening developments specifically for packaging print, are helping ECG printing implementations spread as colour becomes simpler for flexo printers to manage in software to guarantee accurate colour appearance on the printing substrate. Flexo changes slowly “and we’re not done with investing. FLEXCEL NX technology is one key component as we move forward in the standardisation of the process” according to Payne. He adds that “we have other things that will help to drive even greater efficiency and sustainability”.

Advancing onwards

The next ten years are all about materials science and developers working with brands and retailers to drive graphics technology improvements. Digital printing systems produce prints on demand and for very short runs, serving small local producers of goods such as honey or cosmetics, artworks and craft goods. However, for digital printing technology to achieve sufficient scale for Fast Moving Consumer Goods (FMCG) will take time. We can expect to see much more variety and diversity in packaging solutions in the next ten years. Creative digital printing implementation models will not be cost effective compared to flexo presses producing 10,000 packaging impressions an hour, a typical short run for FMCG packages. As brand owners demand increasingly

bespoke consumer packages, even for trials across a single city, flexo will remain the preferred option.

Flexo technology keeps improving process reliability and stability, so supply chains are reforming, and workflow systems increasingly support ECG printing and distributed job management. These are key development areas for major digital press manufacturers, keen to provide competitive advantage over flexography. But with over 500 customers using the KODAK FLEXCEL NX System in daily production, the company has the necessary experience and market intimacy to keep it at the leading edge of flexo and packaging production.

There’s more

Over the next ten years in emerging markets where keeping food fresh is difficult, growing cold supply chains will lead to new packaging and labels applications. According to the United Nations Development Programme over 40% of food produced in India is wasted due to factors that include lack of cold supply chains and accessible packaging materials. Even in warm places, plastic wraps on coconuts can extend shelf life from four to twelve weeks. And new formats are emerging as shopping habits change, requiring smaller quantities and trial sizes. Dr John Anderson, responsible for business development at Kodak, says, “we’ve gone from supermarkets holding around 9,000 product lines in the 1970s to over 45,000 in the 2000’s”. Varying sizes



and versions plus short turnaround requirements add pressure to complex supply chains, and smaller quantities create more packaging. One package for a loaf of bread becomes multiple packages with fewer slices, more likely to be eaten than discarded. This increases packaging but reduces food waste. Sustainability is about balance, so pressure for environmentally friendly packaging lifecycles will rise in line with changing recycling behaviours.

Sort it

Anderson explains that Europe has one of the highest levels of recycling in the world ... [but] there is a difference between recycling and reusing and recovering components from the product. One of the problems with plastics recycling is getting enough of the material to make it easy and economically viable to recycle. Brands are getting together to develop mechanisms for sorting at recycling plants instead of in the home or at curb side. Apart from the complex politics there are many challenges to achieving this, requiring technology and investment into separation processes,

managing mixed components, dealing with contaminants and consumer education. Flexible packaging use will keep rising. We see more and more of this type of package. Instead of a PET bottle we’re seeing flexible pouches with thinner materials. Lightweight materials which stretch on press are not well suited to gravure printing, creating opportunities for flexo printers who have their processes under control.

Flexible flexo

Knowing how to prepare for the next ten years depends fundamentally on an awareness of technological developments and being able to see where current trends are heading. The flexo sector is slow moving but working hard to exploit digital workflow and process automation technologies. With more predictable plate making using technologies such as the KODAK FLEXCEL NX System’s, this gets easier. Laser Ablative Mask System (LAMS) technologies widely used for flexo plate production over the last 20 years are reaching their performance limits and are challenged to match Kodak’s speed and output quality, without using

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additional products and processes involving time and cost. Kodak employs a combination of high resolution film-based mask, KODAK SQUARESpot Imaging Technology and a unique lamination process to create extremely sharp flat-topped dots that are a 1:1 faithful reproduction of the digital file and optimized for printing. This technical approach brings a greater degree of precision to the plate making process and offers significant potential for future developments that will further the evolution of standardized, automated print production.

Kodak's technology allows for the imaging of micro-level, highly engineered patterns on the printing surface of the plate and as Payne explains "the plate's the thing controlling the ink flow" positively impacting press running speeds. This helps flexo printers move away from outdated practices, to use digital production techniques to reduce prepress process steps. Payne says flexo printing is "still basically a craft industry ... where we're going with production, [it] will be an automated process in future". But this depends on knowledge within the sector as much as on technology.

Training and knowledge development

Understanding how to get the most out of new technologies helps companies improve services to customers and their bottom line profits. But making a change takes effort. Stefano d'Andrea, a technical

consultant with the European Flexo Technology Association reminds flexo printers that "new technologies are useless if you don't use them in the proper way". He suggests that flexo printers stop using the press as a proofer because it's no longer necessary to work that way. d'Andrea has also found that technology, such as the FLEXCEL NX System can make flexo cleaner and greener, for example by reducing environmental impacts using ECG printing which reduces the number of inks required. As well as saving money, ECG printing means less washup on press, predictable colour control, faster make-readies and more reliable file sharing across output processes. Effective implementation of ECG requires an understanding of digital colour management because as d'Andrea says, "you have to demonstrate how good you are in CMYK to reach expanded gamut". Offset printers print to ISO print control aims extracted from predefined characterization data sets for different printing conditions. CRPC7, (Characterized Reference Printing Conditions) one of several characterization data sets used in ISO graphic technology standards, characterises CMYK's widest colour gamut in offset. d'Andrea points out that "we should be able to do that in flexo" and that brand owners and printers can work together to ease conversion of process specific data sets for automatic colour data repurposing because "if you can measure it, you can control it". Over the next ten

years we expect to see many more flexo printers improving colour control and output reliability, because this is what their customers want.

Control freaks

Output control depends as much on the printing plate as it does on software and robust characterisation data sets. Improvements in plate technology are catalysts for wider changes in the industry and have pushed Kodak to keep refining the FLEXCEL NX System. But they are also spurring ink and coating



innovations, and Anderson says, "one of the trends we look at is can the print be part of the barrier properties: can we add stuff to ink to create a barrier?". A quick examination of some leading brand initiatives reinforces the need for technology solutions. The Pepsi 2025 sustainability agenda is working to achieve zero waste to landfill, through collaborations with other big brands for sorting and processing waste. Pepsi aims for 100% of its packaging to be recyclable by 2025 and there are already signs that other big names are following suit. Iceland, a UK retailer of frozen foods has committed

to becoming 100% plastic-free by 2025. By then we can expect considerable materials advances. Today's eco materials are made with plant-based products but taking corn from food chain makes food more expensive. Anderson says the "next generation of products will come from waste products from plant materials", such as a monolayer instead of multilayer substrates which are hard to recycle. Aluminium oxide (AlOx) is "a coating solution. It's very thin but when you melt the plastic, the

AlOx floats to the surface and can be renewed and recycled ... the chemistry is really starting to move".

Since 2008, flexo technology advances have focused on chemical and imaging innovations and reshaped the sector. By 2028 flexo printing will match offset for stability and predictability and traditional supply chains will collapse and reform. It will be a bumpy ride but as Anderson says, "it's all of us together ... all of us in partnership driving operational efficiency and sustainability together".

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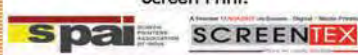
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Are labels becoming more complex?

In 2017 four out of ten purchases in the U.S. were made online. The three-dimensional shopping experience of standing in front of a shelf lined with products is quickly being replaced by a two-dimensional experience of consumers buying products they view on their computer monitors, tablets or cell phones. Since the buyers of products are increasingly viewing those products on monitors and screens, does that mean the printed packaging that products carry is becoming less complex?

Is the role of a primary label as a purchase influencer becoming lost as consumers increasingly purchase goods by clicking a mouse or tapping a cell phone screen? This article illustrates how brand owners

and label buyers answer this critical question.

Surveyed more than 100 brands and packaging buyers in the fourth quarter of 2017 asking them about their printed packaging standards. Are their pressure-sensitive label requirements becoming more or less sophisticated? Will the graphics on the labels, pouches, bags and sachets they source be easier or more challenging for converters to print? Are labels and other types of printed packaging becoming more or less complex? The graph above indicates brand owners' and packaging buyers' responses to this central question.

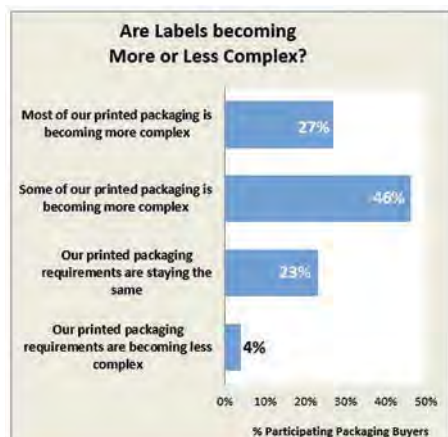
Seventy-three percent of surveyed brands and packaging buyers state that their printed packaging requirements are becoming increasingly complex, specifically in the areas of labels and flexible packaging. The North American label sector is divided into two primary categories: prime labels (labels that identify consumer products) and non-prime labels (labels such as barcodes and industrial labels applied to durables, electronics and automotive components). According to brands and

packaging buyers, the prime labels they source are becoming more complex and the non-prime labels they source are becoming more functional.

Prime labels are carrying more colors, embellishments and increasingly higher fidelity print-quality levels. Non-prime labels have to be more environmentally resilient than ever before, and meet regulatory standards driven by serialization and track & trace compliance.

Given this changing environment, label converters have to bring more innovation to the table than ever before. They have to go beyond simply supplying labels and learn to become a process engineer, six sigma specialist, technical consultant and constant educator.

The most successful industry suppliers will ensure they're helping their label converting customers adopt these roles in the most effective ways possible by giving them the tools and resources they need in each supply niche. The process of purchasing a product has never been simpler. However the labels on those products will become more and more complex.



Waterless Printing

What it means

The growing demand for high quality labels, specially in the premium label market like wine, food and cosmetic labels, coupled with the need for saving natural resources is opening up immense opportunities for waterless printing technology.

What is Waterless Printing?

Conventional “wet” offset printing requires two fluids : ink and water (dampening solution) to reproduce an image. However, managing two fluids, with different chemical & physical properties, is a complex process, making the press operator’s job much quite difficult.

Waterless printing is an alternative printing system that runs on standard offset presses. The key to waterless printing is a plate that uses an ink-resistant silicone coating to eliminate the need for dampening solution.

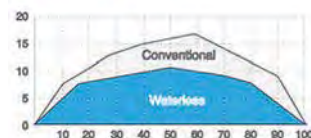
By eliminating dampening solution from the printing process, the waterless printing system provides improvements in productivity, overall image quality in an eco-friendly manner.



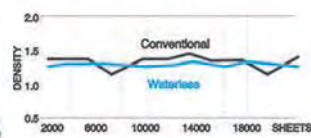
Superior printing quality

Toray waterless plates deliver superior print quality on virtually any kind of paper and non-porous substrates such as plastics, foils and metals. Special plate structure and the absence of dampening fluid makes it easier to consistently reproduce a printed image which is nearly identical to original proof.

Reduced Dot Gain



Consistent Ink Density



Increased Productivity

Adopting Toray waterless plates ensures superior print results and significant improvements in productivity, by way of:

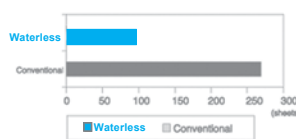
- Cost reduction with elimination of fountain solution, waste water and dampening roller management

- Faster make-ready with reduced waste
- Shorter start-up time
- Improved solid ink density with less colour variation throughout the print run
- Superior registration resulting in reduced production time
- Easy adoption with existing skill-set and workflow

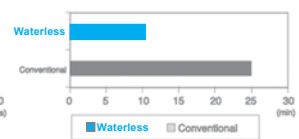
Cost Reduction in Press

Materials	Conventional	Waterless	Materials	Conventional	Waterless
Waste Paper			Etching Liquid & IPA		
Dampening Rollers			Waste Liquid		

Paper Waste



Make-ready Time



*Sourced by: Journal of Printing Science and Technology in Japan

Easily Adoptable:

Most offset printers can convert to waterless plates with minimal investment and training. Waterless printing requires the following equipment:

- Thermal platesetter (830nm)
- Offset press with temperature-control capability
- Toray approved waterless plate processor

Added value in printed material:

Waterless printing allows usage of the Butterfly Logo authorized by the Waterless Printing Association (WPA). In Japan, the Butterfly Logo appears on catalogs, posters, and other printed materials distributed by large companies. Displaying the Butterfly Logo helps in increasing the value of printed materials.



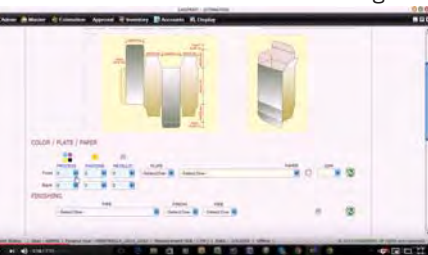
The key to waterless printing is a plate that uses an innovative ink-resistant silicone coating to eliminate the need for dampening solution. Globally 200 plus Codimag’s waterless offset presses and most of Iwasaki offset presses are using waterless technology. Beyond Europe, waterless technology is also being rapidly adopted in China.

Toray Waterless printing plates are distributed in India by Technova Imaging Systems (P) Limited.

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Easeprint is a complete solution comparable to any competitive product in market claiming as ERP's for Print Industries at very low cost with customization facility as per users requirements. It consists of estimation, accounts, inventory, job scheduling and data records manage-



ment along with the reports.

Easeprint Solutions mission is to reach every print house around the world to maximize their working efficiency and to inspire them for a better tomorrow.

"We expect every Print Professional and Print House to have a foot fall to our stall and experience the revolution and innovation in Print Industry for which we are working day and night" says Sanjay Handa of Easeprint Solutions.

The software facilitates:

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- Ideal for **Commercial/ Cartons with interlocking**.
- **Easeprint** increases **productivity and profits** by

automating printing and print operations including business processes.

- **Easeprint streamlines your company's workflow** and adds value to your services.
- **No technical or functional training** required for Easeprint.
- Ordered **job designs can be stored** for later purposes.
- **Reduce cost of order estimation** and do more quotations.
- Calculate exact **UPS and paper wastage and machine feeding size**.
- **Unique Stock Management** keeping track of paper, Ink, and other material stock.
- Keep track of **supplier information**.
- **Easeprint** is **customizable** to meet the exact needs for any additional functions



needed by customers.

- **Easeprint** can be used for all types of **pre press, press and post press functions**.
 - **Multi user's software**.
 - **Automated** best price Estimation & quotation process.
 - **Project Quotation and order history**.
 - **Generate Delivery Challans** and maintaining track of each dispatch.
- Easeprint Offset Printing Estimation & Management Software is available as a Desktop version and Web Module (Online)

Machinery Condition Monitoring - A stitch in time

Regular condition monitoring helps detect faults early where there time and cost of remedial action is lowest. The first step is to establish normal operating levels of component characteristics and the time between detection of abnormal conditions and failure.

Monitoring methods include: Performance data, vibration monitoring, power consumption, lubricant and wear debris monitoring, visual and sensual inspection.

Firstly begin with staff: People are the most important maintenance assets who are naturally equipped with built-in sensor devices. If correctly trained they can identify deterioration in equipment operating condition.

Data records and analysis: There is no point in collecting data unless it is analyzed, used in planning and distributed to all people concerned, including press operators.

Vibration monitoring: Routine measurement with hand-held or fixed devices is a powerful tool to diagnose running problems. The depth of analysis is considerable for motor, gearbox and bearing diagnostics, misalignment and imbalance.

Oil analysis: Regular oil analysis indicates the condition of closed lubrication systems, indicates wear (metal particles), oil contamination (silicone, water) and early detection of drive problems. Samples should be taken immediately after a press stop and are usually analyzed by a specialist laboratory service.

Information availability: Manuals should be available to all staff at all times. Production and maintenance staff need access to a broad range of complex and diverse information that is often dispersed, difficult to access and to maintain.

Ambient environment conditions:

Large and frequent variations in pressroom temperature, humidity, air flows and dust levels are significant contributors to accelerated equipment deterioration, poor consumables performance and press operating efficiency.

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Delhi Printers' Association hosts AIFMP Annual General Meeting

Delhi Printers Association hosted the 242nd meeting of the Governing Council of All India Federation of Master Printers on 29th-30th September 2018 at New Delhi.

Rajesh Sardana, President, DPA welcomed all the Past presidents, GC members and Office Bearers and addressed the august gathering of printers who had come from all over India and spared their valuable time to participate in the 242nd Governing Council Meeting for the betterment of the printing industry. He further expressed his thanks to AIFMP for giving DPA the opportunity to host the GC meeting, a mega event which has attracted record number of attendance of GC members.

Welcoming the Past Presidents, GC and GB members and colleagues, AMSG Ashokan, President AIFMP said "as the members are aware, parts of Kerala have suffered due to an unprecedented rain fall,

floods and landslides and everybody had seen the visual and read about the loss of lives and property and the consequent damage inflicted, now it is time to rebuild and start afresh. As a gesture of expression of our solidarity with the affected printers of Kerala. AIFMP has announced a contribution of Rs 10 Lakh towards Kerala Relief Fund. President also said some of our members have made contributions directly to affected printers".

He also informed the House that in order to give a major thrust and impetus to the Make in India campaign and to provide more market access to the printing industry in the global arena as well as to remove the problems impacting the Indian printing industry post Budget Memorandum 2018-19 and representations were submitted to the Central Government. He further stated that printing industry, would be able to survive the major down word price trend



being witnessed in the commercial printing sector and reinvent itself to grab the major chunk of export market for printed materials thereby making India a major hub for meeting the global printing requirements and in turn will result in exponential growth/increase in both earnings or foreign exchange as well as employments opportunities.

Presentations were made by Raju N Kutty, KMPA on the Kerala flood and the condition and the issues faced by affected printer brothers, and Amit Saigal, Corporate Manager, Epson India Pvt Ltd on products manufactured by them.

AIFMP felicitated C S Misra, who has been Professor in Northern Regional Institute of Printing Technology, Department of Letter Press & Binding, Allahabad. In Recognition of his outstanding contribution to the field of printing AIFMP conferred on him the 'Education Award of Excellence for the year 2017-18.

AIFMP also felicitated Shanty Biju, a senior staff member of secretariat for completing more than 25 years of continuous service to Federation.

At the GB meeting held after the AGM on 30th September, election of Office Bearers for the year 2018-19 was held by secret ballot and all the Governing Council Members and Past-Presidents participated.

The following were announced elected and welcomed by the members with a big applause and full enthusiasm.

President, Raveendra Joshi, Vice President (N) Sunil Jain, Vice President (E) R N. Dutta Baruah, Vice President (W) Vilas Sangurdekar, Vice President (S) A. Senthil Kumar, Hon. General Secretary K. Rajendran, Hon. Joint Secretary C. Ravinder Reddy and Hon. Treasurer Ashwani Gupta.

Raveendra Joshi the newly elected President, thanked all the members for the wholehearted support for the highest post of the apex body. He thanked all the GC members and expressed his satisfaction to have a dynamic team. Joshi expressed his confidence that the new team would continue the policies and plans of the Federation and try to give concrete shape to the projects for the interest of the fraternity.



Asahi Photopolymer debuts at LEX India

Asahi Photoproducts, a manufacturer of flexographic photopolymer plates, will exhibit for the first time at Labelexpo India during this year's edition, taking place next week.

The company will show its AWP family of water-washable flexographic plates featuring Clean



Transfer Technology, including its new AWP-DEW plate with washout speeds claimed as 2.5 times faster than previous plates, making it suitable for on-demand platemaking and a more efficient flexographic operation in even the busiest plants.

Sunil Kokane, product manager for TechNova Imaging Systems, Asahi's distributor in the region says "We are always looking for new and better technologies for the Indian market, and demonstrating the

AWP family of water washable plates at Labelexpo India promises to attract many visitors. At the show, we will show flexographic print samples printed using AWP plates imaged on an Esko Crystal XPS system whose simultaneous UV main and back exposure produces highly consistent digital flexo plates. Many companies in India have already heard about Asahi AWP plates, and they will be looking forward to having easier access to these outstanding plates."

Avery Dennison theme at the show 'Pioneering Change'

Avery Dennison, will highlight the pioneering spirit of its founder R Stanton Avery, the innovators who followed him, the evolving nature of Avery Dennison and continued commitment to change that helps label converters stay ahead of trends and grow their business.

Some of the key products being featured at this show are RFID solutions, security solutions, and next-generation Topcoat.

Baldwin to present Guardian RTM Inspection system

Baldwin Vision Systems (BVS) will showcase the latest developments and new features for its growing portfolio of defect detection and color management technology. The new Vision Systems business unit of Baldwin Technology Company, Inc. unites former brands PC Industries, QuadTech, and Web Printing Controls.

Hemant Desai, Director for Baldwin Vision Systems - India, comments, "Guests to our stand will have a first look at some truly exciting new technical achievements. These are some early examples that show—by combining engineering talent and resources—we can take our proven technology to a whole new level. BVS color management and defect management systems

already have a strong presence in North America and Europe, and we are eager to feature these automated solutions here."

As per Baldwin, additional enhancements to the Guardian PQV include automated setup and automated job changeover, limiting operator intervention for a more efficient and accurate inspection process. The system provides true 100 percent print inspection for pharmaceutical, converting, label, flexo, wide, and narrow web applications. Other defect management solutions featured at the show include Guardian OLP PDF proofing and offline inspection, Guardian LSI inspection, and GV-500 Series digital web viewers.

Bobst to show M5 Flexo press

Bobst will give demonstrations of its M5 printing and converting line that will be run seven times a day on its stand.

The M5 is an inline UV flexo and multi-process production line that can print and convert in a single pass a variety of substrates including paper and filmic self-adhesive stock, glossy paper 60 to 100 gsm, light cardboard up to 300 gsm, PVC, BOPP, PET, PA unsupported films from 12 microns, alu-foil from 20 microns, and lamitube.

According to Bobst, the machine demonstrations of both label and flexible packaging applications will make printers and converters discover the extent of Bobst expertise in providing advanced and flexible production tools that can handle different job applications and run lengths in the most profitable way, delivering very fast turnaround and superior print and converting quality.





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Events

BST Eltromat to demonstrate TubeScan inspection system

BST Eltromat will have live demonstrations of TubeScan 100% defect detection system for narrow web applications at the booth.

TubeScan EagleView brings both worlds together: Multiple cameras are combined in the same housing to offer detailed viewing and one hundred per cent inspection at the same time. The intuitive touch screen interface makes setup extremely



simple and fast.

This cost-efficient system also enables detail viewing of critical areas like registration marks, 2D barcodes, picture areas, etc. down to dot level. The camera for detail viewing is motorized and can be easily navigated with respect to the displayed print-repeat. The system is highly modular and comes with multiple options to choose from.

Daetwyler SwissTec to unveil new product developments

Daetwyler SwissTec India will unveil latest additions to its broad product range MDC Gamutstar suited for Extended Color Gamut and MDC Pearlstar provided with a fluid repellent coating in addition to presence of its proven doctor blades like MDC Longlife, MDC IboStar, MDC Soft, MDC Standard doctor blades.

MDC Gamutstar Doctor Blade is a new coated quality provided with a durable base coating designed to extend blade life, reduce anilox scoring, while providing corrosion protection and a very clean wipe. This is specifically suited when blade changes need to be predetermined such as it is the case with Extended Color Gamut.

The new MDC Pearlstar doctor blade is for flexo and gravure printing and coating applications. It offers the promising opportunity, to reduce and even completely avoid the adhesion of colours, paints or adhesives during printing and lamination.

E+L to focus on three products

E+L will highlight three products at the show, the Elscan OMS3, Compact corona generator CG9020L and Kelva web cleaning system.

The Elscan OMS3 is an entry-level web print monitoring system for narrow webs up to 700mm. It features DualView camera technology with two 5MP cameras combined in one housing. The corona generator CG9020L is compact.

It is suitable for integration into label and cup printing machines. The Kelva web cleaning system uses contact of polymer rollers with the web surface from the top and bottom side to make the web clean before printing.

Also on display will be a wide array of web handling tools at E+L, such as web guiding, tension control, web monitoring, web inspection, surface treatment and web cleaning system.



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'Labels Connected' - Esko's theme at the show

Esko will present various solutions connected packaging and labels under the theme 'Labels Connected'.

Systems on display will include Automation Engine QuickStart for job management for label converters, Studio and Store Visualizer, meant for designers, help create better artwork and hyper-realistic 3D mock-ups for presentation, proofing and quality control.

The native PDF editor ArtPro+ will also be demonstrated. It has been designed to make pre-press editing into an intuitive QA tool with fewer clicks. Within the editor routine, functions can be automated to speed up production.

Esko's CDI Crystal XPS 4835 digital flexo imager and exposure system will also demonstrate the benefits of streamlined production.

Visitors will see how Esko brings together integrated and automated systems and aims to link brand owners, designers, premedia and the pressroom together in a productive and efficient workflow. They will learn how can drive faster throughput, higher quality and right first time production.



H.B. Fuller to introduce new sealing adhesive

H.B. Fuller will showcase its Lunamelt PS 4015 sealing adhesive at Labelexpo India.

This hot melt adhesive, designed in the company's Lüneburg Adhesive Academy, Centre of Excellence for hot melt technology in Germany, is now manufactured in H.B. Fuller's Pune facility in India.

Lunamelt PS 4015 is suited to the unique Indian climate and conditions to deliver excellent adhesion to a wide range of substrates, including foamed polystyrene, aluminum, paper and rock wool. Developed for self-adhesive bonding of PE courier bags and for tape applications, this HMPSA is claimed to combine excellent tack and adhesion properties with high cohesion and high temperature resistance.

This makes Lunamelt PS 4015 suitable for quick closing of courier bags, keeping them securely shut during transit, and also for any tape or label product that requires high tack and quick grab.



Multitec to highlight automation technology

Multitec will exhibit two presses at Labelexpo India 2018, with an S1 highlighting automation technology in line with the global trend towards Industry 4.0.

The 450mm wide, 8-color S1 full servo press will run shrink film jobs as well as print pressure-sensitive labels live on the show floor. With multi-substrate capability, it has large circumference chill rolls to handle unsupported films. The press also has an upgraded pre-register system so that an 8-color job can be in full register in less than one web pass. It also includes a re-register system.

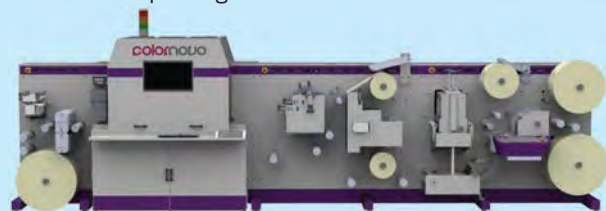
An 8-color E1 semi-servo press will also be on show equipped with rail-mounted cold foil, turnbar and delam-relam units. This machine is most suitable for label converters who need maximum flexibility in a small footprint. E1 has one of the smallest web paths between print stations allowing for minimum wastage.



Monotech to launch full colour UV inkjet press label press

Monotech Systems will be launching their Colornovo full color UV inkjet label production press at this year's show. Based on Kyocera inkjet printhead technology, it provides resolutions of 600 X 600 DPI, speeds of up to 70 m/min along with CMYK +W in various print width configurations and utilizes a web control system from Grafisk Maskinfabrik, Denmark.

Manufactured in-house, this follows successful beta site testing in India and overseas. Also launching at Labelexpo India 2018 will be their newly developed digital label printing and finishing products such as UV Inkjet full color hybrid imprinting, digital UV Screen printing (white), digital UV spot coating, digital UV cold foil solutions, and ultra-high speed (300 m/min) hybrid imprinting systems for variable data printing.



Nilpeter to demo new generation FB-Line press



Nilpeter will showcase its new generation FB-Line press, the 16in FB-430 with added automation.

The press to be demonstrated is a combination of flexo, gravure, hot foil and cold foil. It will include a die-cutting unit, specialized conveyor and stacking systems. A wide variety of jobs including pressure-sensitive labels, shrink sleeves and IML will be run during the show.

The new features added on the press are automated plate positioning system (APPS), pre-register and re-register functionality.

The press runs on shaft-less servo technology and comes in two press widths of 350 mm and 430 mm. It has a maximum repeat of 24-inch and a press speed of 225 metres per minute.



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Events

Toray to display Waterless Plates

Toray Industries Inc., together with their Indian partner TechNova Imaging Systems, will showcase their range of waterless plates.

Shoko Makita, Sales Manager, Toray Industries Inc explains 'The key to waterless printing is a plate that uses an innovative ink-resistant silicone coating to eliminate the need for dampening solution. Globally 200 plus Codimag's waterless offset presses and most of Iwasaki offset presses are using waterless technology. Beyond Europe, waterless technology is also being rapidly adopted in China. This is a clear testimony of user confidence in the now proven technology.'



'Waterless plates users confirm that this technology is helping them retain premium customers. Waterless printing offers multiple benefits like consistent quality, elimination of dampening solution and related issues, quick plate changes, significantly shorter changeover times between jobs, reduced dot gain, wider colour gamut, superior registration and ability to undertake short-run jobs as small as 2000 linear meters.' states Sunil Kokane Product Manager for TechNova Imaging Systems (P) Ltd. India.

Uflex to launch a range of new products and solutions

Uflex shall be presenting an range of products from its Holography, Chemicals and Cylinders businesses, at Labelexpo India.

The Holography division will showcase its state-of-the-art holographic products such as holograms, films, stamping foils, holographic paper/paperboard and self-adhesive labels with all the new developments, suited to meet and enhance requirements of all brands. Labels with screen effect will also be on display.

The Chemical division section will launch a new line of UV and UV LED inks,

Flexgreen series for sheetfed offset, letterpress and narrow web applications for various kinds of paper/paperboard and plastic substrates and Flexcure series product range UV inks and coatings for sheetfed, letterpress and narrow web application.

Along with the high performance inks, medium and general performance inks with food safety compliance will be on display.

In the Cylinder division section Elastomer Flexo Printing Sleeves & Elastomer Flexo Printing Plate and Gravure Cylinders for Glitter printing will be on display.

Tresu to show SAVEink chamber doctor blade

Tresu Group will present its ancillary programme of automatic ink supply and chamber doctor blade systems for flexographic label and packaging presses providing solutions for reducing waste, consistently clean printing at faster speeds, and improved machine uptime.

A highlight of the stand will be the new TRESU FlexiPrint Reservoir SAVEink chamber doctor blade for narrow web flexo applications up to 800mm wide. With an integrated high-capacity reservoir, the TRESU SAVEink chamber doctor blade is ideal for process and spot colours as well as high ink transfer printing, without the need for a connected pump.

Also featured on the stand are other models in the FlexiPrint range: FlexiPrint Basic and FlexiPrint Reservoir, offering high price-performance ratios.

Steen Rasmussen, area sales manager, TRESU Ancillary states "The labels market in India continues to expand at a high rate, and those businesses that are able to meet both quality and price demands will be those with the most efficient equipment and production workflows." "Indian label and packaging converters are well positioned to benefit from the rapidly changing market conditions with their ability to respond quickly."

UV Graphic Technologies to showcase new label press

U.V. Graphic Technologies will showcase their latest developments in narrow web label printing presses, video plate mounters, slitters with turret rewind, LED and hybrid UV systems, web video inspection and tooling storage systems.

The newly developed Flexo Press on display will be a Full Servo Press with in line capabilities such as hot foil, cold foil, cast n cure, corona, peel and seal coupon labels and a host of innovative features including full auto register, full pre register and setup with only 3 meters waste before startup. The press will consist of LED and conventional hybrid curing systems with quick interchange and an integrated line scan camera with a 100% defect detection system. A Web Video E View will be installed on the press to demonstrate high resolution image scanning.

The Plate Mounter on display will complement the press to provide 100% pre register. The Plate Mounter is said to mount plates with 100% accuracy in circumferential and lateral register in under 30 seconds.

A High Speed Turret Type Slitter Rewinder will demonstrate slitting rewinding and doctoring at 350 MPM.

High end tool and plate storage systems will also be on display during the show.

Vinsak to have multiple live demos

VINSAK will showcase two 8-color Lombardi Synchronline UV Flexo Presses along with VINSAK USAR, VINSAK Table Top Rewinding machine and the operator friendly VINSAK Roll Lifter series.

The multi-substrate fully servo Synchronline Flexo press is equipped with movable cold foil, chiller, two die-cutting stations, slitter, turn-bar, relam, delam, sheeter, conveyor, and lamination. Visitors can also experience the inline Bravo-Flat Screen Unit and Toro-Hot-stamping unit. Both of these units are inline to the Flexo printing station. The machines will print on various substrate i.e. shrink sleeves, film, paper & Carton material during the exhibition.

Label Finishing on VINSAK USAR-Universal Slitter Rewinder with Die-cutting unit, 100% inspection & Inkjet system for variable data personalization will also be demonstrated.

Also, we will display VINSAK Table Top Rewinding machine used for unwind and rewinding of paper and film rolls. Visitors can also have a look on VINSAK Roll Lifter series for manual transfer of rolls with ease from one place to other and Schober Cutting & punching modules.

Weldon Celloplast to display wide range from principals

Weldon Celloplast, the exclusive agent of Omet, Brotech Graphics, Lartec, Luster, and Spilker will showcase a range of products from its principals.

LabelRoll series from Luster LightTech are specifically developed for printing quality inspection of electronic labels, daily chemical labels, pharmaceutical labels, food label and other self-adhesive labels.

Spilker GmbH will exhibit their entire range of magnetic cylinders, print cylinders, Rotary dies, special Anvil cylinders. On display will also be their MicroGap anvil for

micro gap adjustments to enable fine die-cutting and enhancing die life.

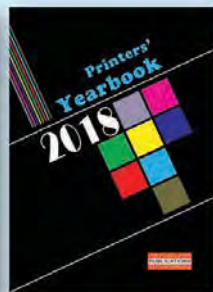
Vetaphone A/S, headquartered in Denmark, will display their range of Corona & Plasma systems used to increase the surface adhesion on plastic and metalized films in Extrusion or Converting processes.

Italian label press manufacturer Omet will demonstrate chill drums for printing filmic applications as well as a peel and seal unit for printing multi-layer labels on a 10-color iFlex 370mm flexo label printing press on the show floor.

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Chris Payne to lead new Kodak flexographic packaging division

Chris Payne has been confirmed as the man that will lead the new-look business born out of the sale of Kodak's flexographic packaging division to Montagu Private Equity.

Kodak has entered into a definitive agreement to sell its flexographic packaging division to the private equity firm. After closing, which is expected in the first half of 2019, the business will operate as a new standalone company which will develop, manufacture and sell flexographic products,



including the flagship Kodak Flexcel NX System, to the package printing market. Payne has served as

president of the flexographic packaging division for the last three years will lead the new company as CEO.

He said: 'We are very pleased that Montagu will be supporting the ongoing growth of the business going forward and that our customers will continue to experience the same product, same people, and same trusted brand.'

'Under Montagu ownership, the company will have the focus, agility and resources to maintain a constant stream of innovation for our customers and continue the journey of transforming flexo into the premium print process of choice for packaging.'

Heidelberg to acquire finishing specialist MBO

An announcement by German press manufacturer Heidelberg said that the agreement to acquire MBO was "in the lower double-digit million euro range" and that the sale is expected to be completed by the end of 2018, subject to the agreement of antitrust authorities. MBO develops high-end finishing equipment for digital and offset printing – including special application for the mailing and pharmaceutical industries. Heidelberg added that the deal high-

lights its strategic focus on consistently aligning its portfolio and new business model with the growing industry segments of digital and packaging print. The move will also allow Heidelberg to gain access to new customers in the pharmaceutical industry, add mailing system lines to its current offset portfolio, and expose new customer groups to its product portfolio.

"The planned takeover of the MBO Group enables us to attain further sustainable and profitable growth by

leveraging new technologies and customer segments," said Heidelberg CEO Rainer Hundsdörfer. "By acquiring MBO's digital portfolio, we're closing a gap for our customers and helping them achieve a smooth industrial process in the digital future. We also expect to see synergies in our own value-added chain, which will bring about tangible benefits for customers too." MBO Group CEO Thomas Heininger added: "This transaction is a major strategic move for MBO Group to continue driving the process of digitalization and to further develop our digital print-finishing product range." Heidelberg will take over MBO's sites in Oppenweiler and Bielefeld, Germany, and its production site in Perifita, Portugal. The MBO brand will be kept, as will Heidelberg's Stahlfolder product lines.



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Kolbus accelerates move into packaging

Kolbus Group has acquired all shares in Autobox Machinery, for an undisclosed price.

Autobox Group, with its main operating company British Converting Solutions (BCS) based in Houghton Regis, Bedfordshire, UK, is a leading manufacturer of corrugated box making, printing and gluing machines. BCS-Autobox develops cutting edge technology for the specialist short run box market, with

more than 80% of production exported.

For Kolbus, this acquisition completes the group's re-orientation from industrial bookbinding systems towards manufacturing equipment for specialist, paper-based rigid packaging.

Former majority owning shareholder Barry Tabor will continue to lead the company as managing director.

Kai Büntemeyer, co-owner and managing director of Kolbus, said, 'BCS-Autobox

is a perfect match for us. It fits perfectly between the our highly specialised grey-board packaging technology and the rotary die-cutters made by our American Hycorr division. We expect it to become our fastest-growing segment and our footprint in the UK is set to continue to expand after this acquisition.'

Tabor commented, 'The acquisition of the business provides an exciting opportunity for BCS-Autobox to realise its full potential on a truly worldwide basis. Being part of the Kolbus Group gives us access to its International Sales and Service network. The group's manufacturing capabilities in Rahden, Germany will also significantly increase our production capacity and provide additional design and engineering resources.'



B.C. Jindal Group acquires Treofan Europe

Jindal group has completed the acquisition of 100% share of Treofan Holdings GmbH, Germany ("Treofan Europe").

Treofan Europe is a major manufacturer of biaxially oriented propylene films (BOPP films) for packaging, label, tobacco and technical applications in Europe. The acquisition of Treofan Europe strengthens B.C. Jindal group's position in the industry, offering a very broad and complementary product range and an appealing value proposition to support customer's evolving needs.

Manfred Kaufmann, CEO Jindal Films Europe, commented: "Merging both businesses will allow us to accelerate the group's growth and to become the most innovative solution provider for recyclable packaging."

Kluge demonstrates the newest line of print finishing solutions

Brandtjen & Kluge, LLC (Kluge), demonstrated high quality finishing equipment solutions showcasing new advancements in diecutting, foil stamping, digital foil transfer, and folding and gluing at Print 18.

The key properties of foil stamping are simple to identify: Time, Temperature and Tonnage. Until now, although simple to identify, those properties have been difficult to measure and control. Now, operators can use the ApexFoil's Compass™ control system that includes patented features to control the "3-Ts" Time,

Temperature and Tonnage. Compass allows operators to greatly reduce, and in some cases, eliminate make-ready on every job.

Leveraging the benefits of the digital print workflow, the DIGITAL METAL® process allows digital transfer of foil onto paper and cardboard substrates. At the heart of the process is the DM-Liner®, a digital foiling device that precisely completes the foil transfer, optimizes foil usage and manages inventory intelligently. The DIGITAL METAL® process is highly effective in producing decorative effects



for labels, brochures, invitations, magazines, packaging, photo cards, calendars, and more.

According to Kluge the OmniFold 3000 Automatic Folding and Gluing System is a fully modular converting

system designed to fulfill today's need and grow with future demands of the commercial printer and packaging manufacturer.

Mohawk announces new additions to Curious Collection by Arjowiggins

Mohawk Fine Papers, Inc., announced the addition of 15 new colors to the Metallics line, and an innovative new metallic finish called Alchemy to the iconic Curious Collection by Arjowiggins Creative Papers.

Mohawk, in partnership with Arjowiggins Creative Papers, introduces the most comprehensive portfolio of color and special finishes in the updated Curious Collection.

The refresh to the Curious



Collection grade is the result of an extensive review of color palettes and finishes. The resulting updates to the portfolio include: Addition of 15 new colors to Curious Collection Metallics, Launch of an innovative new line:

Curious Collection Alchemy and Discontinuation of Curious Collection Cosmic.

The refreshed line of the well-established Curious Collection Metallics now offers a total of 31 design-friendly colors, including 15

brand new shades.

New to the market, Alchemy is designed to deliver the effect of hammered, weathered metal in a tightly curated color palette. Alchemy is offered in five colors, in 80 text and 111 cover and this dynamic new surface has been designed to capture the character and patina of work metal. The five new shades are: Silver (Ag), Titanium (Ti), Gold (Au), Copper (Cu) and Platinum (Pt).

Koenig & Bauer showcases large-format 4-over-4 perfecting

Koenig & Bauer presented its highly automated 4-over-4 perfecting large format press Rapida 145 at a recent event at Radebeul.

“Large Format meets LED-UV” is the banner under which Koenig & Bauer invited interested commercial printers to presentations of the eight-colour Rapida 145 perfecter press from 4th to 7th September. Introductory lectures and extensive practical demonstrations provided insights into technologies to make 4-

over-4 production even more efficient.

The fully automated press runs perfecting production with sheets up to format 106 x 145 cm and at speeds up to 15,000 sheets per hour. Highlights of the demonstrations include the autonomous printing of flyers, brochures and other typical web-to-print products – also in AutoRun mode. As a world premiere in large format, the eight-colour perfecter press features LED-UV drying technology.



A reel sheeter, furthermore, enables the alternating use of reel and sheet stocks.

Tailored solutions for networked production in

large-format commercial printing, such as the Rapida LiveApps, the Optimus Dash MIS, LogoTronic Professional and Connected Services, round off the agenda.

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