

# DELHI *printer*



AUGUST-SEPTEMBER 2019

**DPA participates in  
Tree Plantation Drive**

**Perfecting  
CMYK**

**Increase your  
workflow efficiency  
through smart  
optimization**



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Of the Printers - For the Printers - By the Printers

**6 - 9 January 2020**

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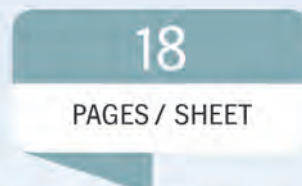
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**Editor:**

Veerendra Malik

*While the 21st century has brought with it numerous inventions and innovations to benefit mankind, its biggest menace has been the degradation and pollution of environment with drastic climate change conditions due to harmful industrial emissions, plastics and other non-degradable materials.*

*If we are to save the earth for future generations, it is time to act now. The behaviour of mankind in the next fifty years will determine its safety in the coming decades.*

*In that backdrop, the ban on plastics in some states comes as a welcome act. Its impact on the print industry is huge - good and bad. Environmentally sound, this decision comes at a huge cost to the MSEs engaged in production and print of plastics. They will need to muster their losses for greater good and immediately shift to new materials. At the same time this will give a huge boost to the paper and cardboard industry and is a window of opportunity for the printers to cash in on that segment. A word of caution though - even paper comes at a cost to the environment due to the felling of trees. So expedited research is required for alternate use of materials and recyclable paper products.*

*Green is the way to go and should be the motto of every citizen!*



**Associate Editor:**

Sunil Jain

*Dear Friends,*

*As you may be aware the flagship project of AIFMP, 14 th National Awards for Excellence in Printing (NAEP). will be hosted by 'The Poona Press Owners Associations Ltd' and Award function will be held on 8th January 2020 at Westin Mumbai Garden, City Hotel, Goregaon (East), Mumbai.*

*National Awards for Excellence in Printing (NAEP) has a very long and proud history of recognizing the excellence in printing in the country and awarding individual and organizations for their exceptional work. These particular awards are the best possible way to welcome the competition and respect the innovative ways.*

*There are various categories of participants - Small, Medium and Large in Offset printing, Digital Printing, Screen Printing, Flexography / Gravure, Special Awards and Special Jury Awards. Gold, Silver and Certificate of Merit are awarded to the winners. All the entries of NAEP are evaluated in a fool-proof manner. Eminent personalities from the industry as judges and a meticulous process ensures that each and every entry is worthy and sets a benchmark in its respective category.*

*As time is running out, you are kindly requested to rush your entries positively by or before 20th November 2019 positively. The brochure and entry forms for your ready reference can be downloaded from [www.pressownerspune.org](http://www.pressownerspune.org). Participation in this is not only necessary for us to gain confidence in our work and also but it pushes us for striving to innovative uses of printing techniques.*

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*Views expressed in this magazine are of the authors and not necessarily of the Delhi Printers' Association.*



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- 3rd Omet installed at Unique Photo Offset Services Mumbai
- Kodak reaches milestone with 1000th CTP installation in India
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- Afinia introduces L502 label printer
- Morgana launches new Larger Sheet Booklet Makers
- BALDWIN Vision Systems highlights technology solutions for print quality perfection at LEX Europe
- Kuala Lumpur named World Book Capital 2020
- Esko Introduces New Kongsberg Cutting And Creasing Solution



*In 2014 the United Nations General Assembly declared July 15 as the World Youth Skills Day in order to highlight at a global level the importance of youth skill development. Its goal is to achieve better socio-economic conditions for today's youth as well as to address the challenges of unemployment and under-employment. Skill development enables young and adults to make a smooth transition to work with technical and vocational skills for employment and entrepreneurship. Constituting 62% of the workforce India has the largest youth population in the world.*

*National Skill Development Corporation (NSDC) has partnered with Better U, a global education-to-employment platform, based in Canada. Through this partnership NSDC and Better U will provide opportunities for the Indian youth to gain access to learning at affordable prices. According to MD and CEO of NSDC Dr. Manish Kumar, NSDC is focused towards developing solutions that add value to skill development programme and invigorate vocational training across the country. He believes that this partnership would significantly achieve the common objective of providing high quality of learning to Indian youth. The goal of Better U is to provide educational support to everyone and to bridge the skill gap.*

*We are living in the Information Age. Data is becoming an increasingly integral part of our day-to-day functioning, both in our professional and personal lives. Educators and policy makers in India need to understand the growing importance of data and how it will shape up the future of jobs and society. Hence India needs to improve its data literacy levels so that its industries can compete boldly in the digitised world through a properly skilled workforce. This also applies ideally to our printing and graphic arts industry.*

*- Mahinder Budhiraja*

## Vijayawada's Nagendra Enterprises installs India's first Prinect Pro-man

A year after installing a brand new Heidelberg Speedmaster SX 74 four color press, Vijayawada-based Nagendra Enterprises is pushing performance and productivity to unprecedented heights by investing in India's first 'Prinect Pro-man', Heidelberg's pre-press workflow software.

Movva Naga Sandeep, Director - Nagendra Enterprises states "The key to customer retention is excellent quality and on-time delivery. We continue to reinvent our processes and strategies, and invest in forward-looking technologies with a customer-centric focus. Our Heidelberg partnership has helped us redefine efficiency and automation, while accelerating sales volumes and revenue by 30% in the last 12 months. The latest Pro-man investment would position us advantageously

to handle the increased flow of record new orders and backlog".

The 5 decade-old Nagendra Enterprises specializes in book and commercial printing. The firm added a brand new Heidelberg Speedmaster SX 74 to its portfolio last year. The SX-74 consistently delivers high productivity by reducing make-ready times sharply, and with production speeds of up to 15,000 sheets per hour.

"Prinect Pro-man perfectly complements the SX-74," Sandeep comments on his latest buy. "The accelerated inflow of quality orders has led to distinct automation challenges. The Prinect Pro-man more than meets these demands by speeding up pre-press and ink-setting operations, while reducing human touch points."

"Heidelberg Pro-man makes the Prepress tasks Automatic and is equipped with a Pre-



flight and PDF tools and ensures that the artwork file is completely free from errors and valid in terms of format and type. If there is any discrepancy, an instant report is generated, pointing out the inconsistencies in the artwork file, thereby shortening make-ready time. Book composing is much easier than before with the Imposition tool that positions artwork on press sheets to speed up printing

and reduce paper waste. After the layouts are created the files are automatically ripped with different screenings applied and finally the Pro-man also sends ink presetting data from Prepress to the press. As and when required, the colors can be easily converted from RGB to CMYK using proper profiles, Trapping can be applied if necessary, and the PDF can be optimized.

## Nilpeter India installs register measuring system

The Indian subsidiary of Nilpeter, headquartered in Chennai, is the country's first customer of Luchs IV register measuring system from PITSID.

The print service manager of Nilpeter India, Mr Karthikeyan, received training for operating the Luchs IV register measuring system at the offices of

PITSID in Leipzig, Germany.

The LUCHS IV system is an advanced quality control system that gives a statistical calculation of the color register on the printed web, which enables Nilpeter India to qualify its presses for highest quality compliance.

With the further development of the register measuring system, now in its fourth generation, the system now consists of an easy-to-handle measuring head which is connected via USB to a normal PC. The

installed software analyses the collected data and displays the results. With this evolution, new measuring elements have been developed and those from older generations can also still be used without limitations. These new elements now allow the possibility for testing flexographic and digital presses in the same way.

This was important for Nilpeter India because the company's FB Line flexo presses of the FB Line are exclusively manufactured in India and are then shipped worldwide.





## UAE based company to expand in new print segment with Autoprint Repetto 80

Golden Paper Cups Manufacturing Co. LLC is a company based in Ajman, UAE for manufacturing, marketing, wholesaling and distribution of different varieties of disposable food packaging products has installed the Repetto 80 for die cutting the Blanks of assorted types of packaging items.

Mr. Mahmood Al Hatem, Director says "We are constantly on the lookout for innovative systems to improve our products, to expand our product range and add to the variety of our supplies. Recently we installed an Autoprint Repetto 80 Die Punching machine and it is of the exact size as our jobs. This was our first purchase from Autoprint and the decision to



go with the Repetto 80 was because it matches the size of sheets we intend to use it for, besides we noticed from YouTube videos that the machine is engineered in a more professional way rather than the rival Chinese

machines and this point was proved when we got and operated the machine".

With the installation of the Autoprint Repetto 80, the company has planned it into their production process for new print segments.

### Reminder for Annual Subscriptions

Members of the DPA, who have not paid their subscription dues for the year 2019-20 are requested to do so urgently. Members who's dues are pending for the year 2018-19 are reminded that non-payment of dues for two consecutive years will result in termination of membership of the Association.

In case members want to deposit the Membership Fee by direct bank transfer they can do so as per the following bank details.

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IFSC Code: YESB0000136  
Bank Name: YES Bank Limited

## Armor acquires Intercode in India for thermal transfer business

Armor has signed a purchase agreement to acquire the thermal transfer business of its Indian competitor, Intercode.

After this strategic acquisition, Armor estimates to increase its market share from 30 percent to 50

percent, consolidating its position as the local market leader. The thermal transfer business of Armor has been posting double digit growth in India, higher than the market average of around 10 percent.

With Intercode's

manufacturing facility in Delhi, Armor has been establishing greater proximity with customers in the north of the country while continuing to serve the south from its existing slitting site in Bangalore.

Hubert de Boisredon, CEO of Armor, said: 'Intercode is a company very much like us. Fair pricing policy, sense of ethics, customer portfolio and also responsiveness and flexibility - many areas of similarity that will ensure a successful integration. Becoming a wholly-owned subsidiary of the French group, the newly acquired company will be progressively integrated within Armor. All of the thirty employees will retain their

jobs. Services offered to customers will be maintained and improved. And prices will remain the same.'

'The acquisition of Intercode marks a further step in the group's co-industrialization model, which is the reverse of offshoring. By increasing our market share in Asia, and particularly in India, for thermal transfer ribbons used in the printing of variable information on packaging and barcode labels, we increase production in France of semi-finished product reels. We are building a virtuous circle for the future,' concludes Hubert de Boisredon.



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## Fourth Cromoman in India at Bartaman Patrika Kolkata

The second 4x1 Cromoman press in Kolkata at Bartaman Patrika is now fully operational.

Announcing the commissioning manroland India managing director Sudeep Bhattacharjee says the press at Bartaman Patrika is the fourth of its unique double-width, one-around design in India and the second in the country's east. Others are at Times of India sites in Mumbai and Kolkata and at the Namasthe Telangana Press in Hyderabad.

“Once again Cromoman has proven that it can give excellent results in tough Indian conditions with



features to print 75,000 copies per hour with no air conditioning, tolerating power fluctuations and running on Indian newsprint without the need for special

equipment or servers,” he says.

The press has the added advantage of fitting into existing buildings with variable stand placement, and offers

web width variability with ease of use and operation.

Founded in 1984, Bengali-language daily newspaper Bartaman Patrika is the second-most widely circulated Bengali newspaper in India, and has simultaneous editions for Kolkata, Siliguri, Burdwan and Midnapore, published from each of the West Bengal towns.

The three-tower Bartaman press has automation systems including manroland's PECOM-X control system, and is capable of various product options including 24-pages or a combined 16-pages plus eight pages.

## 3rd Omet installed at Unique Photo Offset Services Mumbai

Mumbai head quartered Unique Photo Offset Services led by Gautam Nerker has installed their 3rd OMET X4 Label Press. The company already had two OMET label presses and they have reaffirmed their faith in the brand by investing in yet another OMET label press. Unique have pioneered in producing shrink sleeves on narrow web presses many years ago on their OMETs.

Unique was founded by R V Nerker in 1960 as a pre-press house with a tradition for high quality digital imaging. The reigns of the company were handed over to son of the founder, Ashok Nerker who ventured into digital flexo prepress and later moved forward into flexo printing and offset printing. It is now the 3rd generation at Unique running the company. Ashok

Nerker mentored his son Gautam to take charge, who now heads the company.

The Omet X4 installed at Unique is a 370mm wide press with 8colours, all UV, Chill Drums, two Corona treaters one before and one after printing before rewinding so that any variable data that needs to be overprinted can be done offline, a both side electrostatic web cleaner, Web Turn-bar, Delam-Relam, one die cutting station, two rewinders, Cold foiling option and fully automatic registration control.

Gautam Nerker, Managing Director Unique Photo Offset Services says, “Our experience with OMETs has been very good, it has helped us service the labels and shrink sleeves market with ease and efficiency. It is a very reliable equipment that

has helped us grow. We are happy with the performance of the machines, after sales support and the high quality team present in India”.

Harveer Sahni, Chairman Weldon Celloplast says, “Unique is a very consistent quality printer with inherent strength in high quality pre-press.” He further states “Weldon is proud to have them as a very stable consistent and committed customer who delivers quality

products converted on OMET presses”.

The sale of this OMET X4 has been handled by OMET's agent in India Weldon Celloplast Limited New Delhi. Weldon, established in 1982 and is now a total solutions supplier to the label industry representing some of the leading global brands offering label presses, Digital Presses, Tooling, Inspection Systems, allied consumables and equipment.





# Safe Inks *for* **FOOD** Packaging



**MGA NATURA - Low Migration Low Odour offset inks for maximum safety in food packaging printing**

Packaging is continuously evolving to fulfil new demands in terms of productivity, aesthetics and environment friendliness. Safety in particular needs special attention due to stringent regulatory requirements and increased consumer expectations, especially in case of food packaging. Inks, being an integral part of packaging, need to be carefully designed to fulfil these requirements.

hubergroup's MGA NATURA series complies with all FDA Standards and EC Regulations for folding cartons in food packaging. This results in reduced approval cycles and increasing production flexibility for brand owners; while printers and converters no longer need to maintain large stocks of a variety of ink types and undertake costly, time-consuming press wash-ups when packaging is destined for different global regions.

hubergroup's own strict MGA guidelines for packaging printing inks guarantee that the ink is produced in compliance with all relevant standards - including Good Manufacturing Practice (GMP) requirements for printing inks for food contact materials. These new inks consist of substances that will not migrate or which have been approved for food contact. Brand owners and printers can be assured that these inks do not include impurities or undesirable substances which could inhibit regulatory compliance of food packaging.



## Kodak reaches milestone with 1000th CTP installation in India

In June 2019, Kodak crossed the mark of 1000 CTPs installed in the Indian Sub-continent, a milestone demonstrating that printers in this region are focused on achieving better quality with streamlined production and scalability to profitably grow their business.

Kodak has continuously invested in innovations and technologies to help the print industry become profitable and sustainable. Within the prepress segment, Kodak holds the most robust portfolio in thermal technology. The only brand to provide prepress

solutions right from equipment, software to consumables, Kodak caters to all segments of customers- commercial, offset packaging, newspapers, and publishing.

“Kodak and our dedicated channel partners crossed a significant milestone with the installation of our 1001st CTP across India, Nepal, Bangladesh, Sri Lanka, Myanmar,” said Bhalchandra Nikumb, Managing Director, India & West Asia Cluster, Eastman Kodak Company. “Thanks to the tremendous support of our partners in the region,

Kodak has been able to help printers improving how they operate while becoming more profitable and sustainable.”

The sale of 1001st Kodak CTP was recently made to Kalajyoti Hyderabad, South India’s largest commercial print firm, through Monotech Systems, a partner since 2016.

Kodak India’s growth in the India Sub-continent is supported by a network of trusted

channel partners who have helped drive the sale of Kodak CTPs, including Insight Print Communications, Monotech Systems Ltd, and Fujito PTE.



## Manugraph to build Seiken press in India

In a technical collaboration Manugraph will build a new Seiken-designed 4x1 newspaper press at its Kolhapur factory.

The announcement was made on the first day of WAN-IFRA’s India Conference by Manugraph vice chairman and managing director Sanjay Shah, and Shota Namita, president of Seiken Graphics.

Rated at 75,000 cph, the press will have both plate and blanket cylinders of one-around circumference and present features and

technology from both companies, effectively Japanese technology at Indian build prices. Benefits include reduced consumables costs and locally-available parts and service.

Commenting on the arrangement, Sanjay Shah said “The new tie-up would also provide great cost effectiveness by way of savings in foreign exchange, duty and shipping. Seiken Graphics has earned the industry’s trust with installations in Japan and

around the world, and has a manufacturing philosophy that promotes consistency and high quality.”

“Combined with Manugraph’s continuous innovation and advanced technology it is expected to make a great impact in the Indian market” he added.

Manugraph believes the timing of the collaboration is right time. With India having the largest circulation of newspapers in the world and still growing, it expects major demand in the double-width newspaper segment which addresses larger print runs.

Manugraph has had some success with installations of its own 4x1 newspaper press, but has mostly lost out to Japanese and German manufacturers. The new cooperation will give it a proven product with the cachet of overseas-developed technology.

## Naph Graphics launches two new products

Naph Graphics has launched two new machines for the flexible packaging industry, the InspectLine 35 – an inspection rewinding machine, and DocLine 35- a doctoring rewinding machine.

“Earlier we were selling only The SlitLine 35, but now we can offer all three products to a customer that complement each other and make a complete package that will also give a new boost to our sales.” said Mohit Bansal.

Naph’s DocLine 35 is a compact machine featuring movable unwind station for edge guiding, double-drive and edge trimming.

The InspectLine 35 inspection rewinding machine, is a camera-based line guiding system with option for 100% defect detection system.





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## Technovation to market Wink product range in India

Wink Stanzwerkzeuge, a manufacturer of diecutting tools for the label and converting industries, has announced a business cooperation with the Indian company Technovation, directed by Amit Kate. With immediate effect, Technovation will be the official distributor to market the entire Wink product range in India.

"The whole Asian market, including India, is a very important part of our international growth strategy," explains Detlef Geske, sales director at Wink. "However, we do not only see the general growth, but in particular an

increasing demand for high-quality tooling."

Headquartered in Mumbai, Technovation is a new company specially formed to cater the printing and packaging industry with premium quality products and equipment. Speaking for Technovation, Kate comments, "The Indian market is currently in urgent need of an all-in-one supplier, who is superior in quality, competitive in pricing and equipped with outstanding services and solutions."

Kate says he is looking forward to contributing to Wink's "You cut, we care" philosophy. "Our aim is to

supply extremely high precision and durable tools to the label and packaging industry. We intend to be a strong and reliable partner of our customers who will provide them with all the equipment they need to succeed. Collaboration with Wink is the first step towards

this goal, and we are very happy to partner with the technology leader in this field."

"Amit and his team have excellent knowledge and vast experience in our business, so that every customer can expect technical support and service on the highest level," Geske explains.



## DKSH to expand market for SOMA's flexo printing presses in Asia

DKSH and SOMA, manufacturer of advanced machinery and printing and converting solutions for flexible packaging, have signed an exclusive distribution agreement covering its full range of products for Korea, Indonesia, Malaysia, Singapore, Thailand and India.

The collaboration covers Korea, Indonesia, Malaysia, Singapore, Thailand and India. DKSH will provide sales, marketing, application engineering and after-sales services for SOMA.

SOMA's portfolio includes flexographic printing presses, slitter rewinders, laminators, plate mounters and die cutters. Its technology finds application in flexible packaging for food, non-food, labels, shrink sleeves, paper and paper board and aluminum closures. DKSH has partnered with SOMA in Japan since 2017. DKSH will continue the success in other markets by introducing SOMA's leading

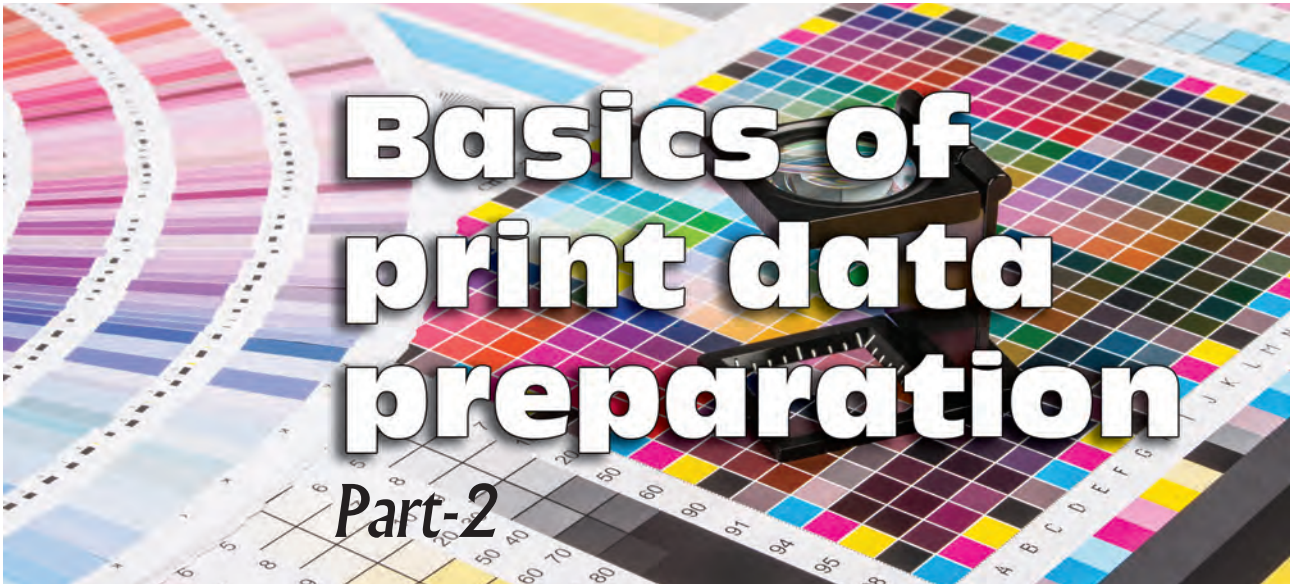
technology to industries such as in-house flexible packaging production, plastics film producers, printers and converters.

Pavla Kusa, Commercial Director, SOMA stated: "We are excited to expand our partnership with DKSH. DKSH has helped us successfully expand the market in Japan. With DKSH's deep experiences in new market development and their strong commitment to joint projects, we believe they will be a solid and trustworthy partner for us in other markets, too."

Hanno Elbraechter, Head Business Unit Technology, DKSH

commented: "Flexographic printing method has recently gained increasing acceptance in Asia and contains high growth opportunities. We believe through our systematic market development approach and our local market expertise, we will substantially increase SOMA's presence, business volume and market share."





Nowadays, a large variety of different faults may occur during the transfer of data from the agency or the layouter to the printing house. They are partly ignored or not recognized at all, but may be a reason for costly and time-consuming complaints.

This is why Part I of the Basics of Print Data Preparation already explains essential data faults occurring with the selected ICC profile.

However, besides the color profile, the selected PDF version plays an important role. In many cases, it is explicitly fixed by the printing house. Nevertheless, the prepress user must make himself acquainted with the resulting changes and/or problems that may occur.

As a matter of principle, all print data should be selected for a PDF/X version since it is specifically adapted to the printing industry and must not contain, e.g., any elements

that cannot be printed, for instance, video or audio data.

The mostly used PDF/X variants are PDF/X-1a, PDF/X-3 and PDF/X-4. Newer versions of the PDF/X series and/or PDF 2.0 are not yet widely used.

In order to be able to differentiate between the different variants, basic understanding of transparencies and colour management is needed.

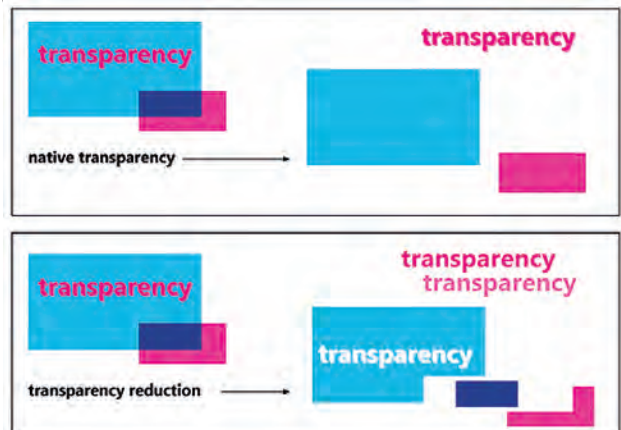
Transparencies are defined as effects and settings which make it possible to place see-through objects on top of each other and let underlying objects shine through. Examples are drop shadows, opacity effects or feathered edges.

In the course of the preparation of print data, transparencies can be transferred as native transparencies or flattened and converted into new objects. PDF/X-1a and PDF/X-3 still use flattening, i.e., all

transparencies are no longer contained as native transparencies, but were converted into many different single objects, as, for instance pixel images or vector graphics. In this case, it is no longer possible to process and move these transparencies as a whole later-on and flattening may cause unwanted image faults

This should later be checked by the user. The PDF/X-4 version, however, can process native transparencies which means that the latter can be contained in the print data as transparencies and can be processed as a whole. Normally no faults occur.

A second important fact is the capability to work with



Transparencies

	Transparency reduction	Colour management capability
PDF/X-1a	Yes	No
PDF/X-3	Yes	Yes
PDF/X-4	No	Yes



two different ICC profiles, which means that colour management capability is provided. PDF/X-1a cannot do that. In this case, the objects embedded in the

PDF must be consistent with the output intent. The advantage for the prepress user is that wrong or even RGB images cannot be embedded inadvertently.

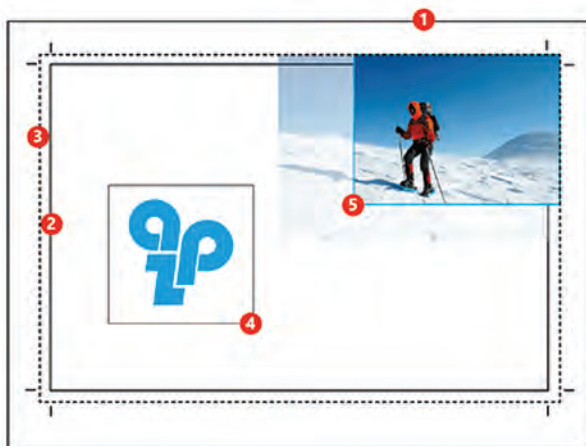
For the device and media independent workflow (late binding), it may be desirable to leave all objects, i.e., texts, images and graphics in their original colour profile until the requested target profile has been determined. This is not possible with PDF/X-3 and PDF/X-4. So, theoretically, I can create a PDF/X-4 with the Output Intent PS0coated\_v3.icc, in which further colour profiles like ISOuncoated\_v2 or sRGB are still embedded. If this is not desired, unwanted faults and often unnoticed faults may occur in the PDF/X-3 and PDF/X-4 due to wrong software settings.

If no variant has been fixed by the printing company, the prepress user must choose one. To a wide

extent, PDF/X-3 has been replaced with PDF/X-4. Therefore, there is the option of creating PDF/X-1a and then checking for potential transparency reduction faults later-on or creating a PDF/X-4 and checking for potential undesired colour profile faults later-on.

Another point in print data preparation is the required bleed in order to be able to print edge-to-edge objects without any white gaps. Normally it is 5 mm wide and should be taken into account in the preparation of the layout right from the start. In the PDF preparation, crop marks need not be added since the required dimensions ideally are provided in the framework information given for PDF/X.

The Media Box and the Trim Box, i.e., the size of the medium and the actual final format, must be defined in every PDF. Furthermore, the type of Crop Box as well as, above all, Bleed Box which defines the crop of the print file. These details are embedded in the PDF, are transferred accordingly and can be processed.



Further important aspects in print data preparation are the overprint settings. When two areas lying on top of each other are set for overprinting, they are overprinted as solid areas and/or with the defined tonal values. If, however, knockouts have been preset, the area beneath is left blank and the area lying above is printed on.

The following graphic describes these facts quite accurately:

Due to the different software settings, e.g., in InDesign, of different PDF variants and their application of ICC profiles, a wide range of problems may occur in the preparation of print data. Often there is not just one correct approach. Therefore, it is important to check the finished print data for faults manually or with the assistance of a preflight. Here as well, the user must know which criteria need to be checked.



Important manual tools, as, for instance, output preview or reduction preview, can be found in Adobe Acrobat. Furthermore, a preflight check, e.g. in Acrobat or with Enfocus PitStop, is recommendable.

Below is a list of possible faults that should be paid attention to by the prepress operator:

- ? 4-c output of black text
- ? Solid areas are 4-c screened, frequently by means of a CMYK-CMYK conversion
- ? Wrong overprint behaviour
- ? Undesired colour profiles or colour spaces, e.g., embedded RGB images result in wrong maximum colour application or wrong tonal value increase
- ? Wrong frame definition or general lack of bleed
- ? Transparency reduction fault due to unsuited PDF/X version
- ? Image resolution is too low; depending on the screen ruling, it should at least be 300 ppi
- ? Chromaticity of print data, perhaps they contain, by mistake, special colours
- ? And, and, and ... In many cases, these

parameters are fixed by the printing company in order to help the customer in the preparation of print data and in order to make these processes more uniform in general.

In practice, often faulty print data are nonetheless accepted, are corrected automatically or changed afterwards in consultation with the customer. Some faults aren't even noticed by the end customer since he simply doesn't have the specialist knowledge. But everybody who wishes to prevent faults in advance for time and cost reasons as well as, of course, for quality reasons should examine what is explained above.

*David Hofmann (azp Chemnitz)*

*Courtesy: Print Promotion Newsletter*

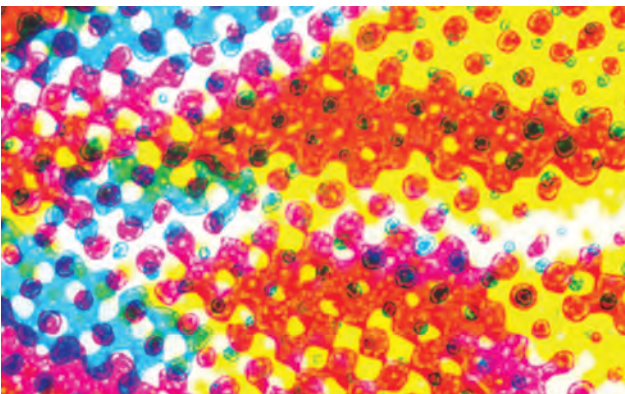
# Perfecting

## *Five essential steps to the perfect four colour printing reproduction*

What Anders Nyström, technical manager at Göteborgstryckeriet printers in Gothenburg, Sweden, doesn't know about CMYK (short for Cyan Magenta Yellow Black) isn't worth knowing. Starting with the cover sheet of the magazine you are holding in your hand (printed on Invercote Creato 260 g/m<sup>2</sup>), we asked Anders to guide us on how to achieve the perfect four colour printing reproduction in print. The secret is a customised and optimised original – plus a separation model that accurately describes what colour is produced by a specific CMYK combination.

### 1 Create a model

Create a CMYK separation model from a test print with the same conditions as the final print will have. You simply take a fingerprint of the entire printing process as a basis for the model. Standard profiles rarely describe the conditions that apply to printing on paperboard.



### 2 Know the source profile

In order to convert an original from one colour space to another, the source profile must be known. This is absolutely crucial to the process. If the information is missing, you can only guess what the original looked like by testing various possible source profiles. CMYK is the colour space used in traditional four colour print separation and has a smaller scope than, for example, RGB (Red, Green, Blue) which is used for computer screens.

### 3 Optimise!

Optimise the original. For the maximum colour range set the values in RGB to black (0) and the white value

to white (255), provided the image contains white and black. Otherwise, maximise the contrast between the shadow and the highlights. Also clean out unnecessary grey components to get a purer colour reproduction. All image optimisation should be done in RGB or RAW (camera) formats.

### 4 Increase details

Customise the image size and apply a sharpening filter. An effective resolution up to 600 dpi (dots per inch) and a careful digital sharpening increase the details in the print.

### 5 Use the right format

Deliver the original to the platemaker in PDF/X format, a standard format that meets specified requirements for the exchange of print information. With PDF/X-4 the transparency is conserved with the best quality as well as important information for converting colours that are optimised for the printing process. –

# DPA Participates in Tree Plantation Drive

Trees or their wood pulp is the main raw material for paper mills to roll out different varieties of paper, most of which are consumed as the main raw material by printers. Hence, like paper mills, printers are equally concerned about replenishment of the depleting forests which leads to grave ecological imbalance and adversely affects flora and fauna.

Supporting government's Green Movement, not only all State machinery but innumerable number of vigilant NGOs are also making their concerted efforts for accomplishing plantation drives on regular basis. As a part of its Self Reliance Initiatives, the Little Miracles Foundation of Haldwani organised a "Ped Sewa Abhiyan" at the Bio Diversity Park in Haldwani on



July 13, 2019. The event was held jointly by NGO Foundation's Dinesh Mansera, his printer wife Reena Mansera of Vikrant Offset Printers of Haldwani, Rajiv Nangia of Ajanta Offset Press and his wife of Janta Press of Nainital. Being an event initiated by printer families, all the big and small printers of Haldwani and Nainital regions were invited. As a special case, former Presidents of Delhi Printers' Association Rajesh Sardana and Sunil Jain, who is also Vice-President (North) of All India Federation of Master Printers, were invited to participate and grace the occasion. Both of them extended their support and planted a number of saplings.

The enormity of this environment-friendly event can be gauged by the involvement of a huge number of people and area. Over 3,200 saplings, including flowery *Gul Mohar* and *Amaltas*, were planted by 3,200 'ped sewak' comprising students of 32 schools on a vast tract of 32 hectare in just 32 minutes. The record event enjoyed the patronage of the local MP Ajay Bhatt, Forest Conservator Madhukar and the Uttarakhand Van Vibhag.

DPA takes pride for its active involvement in the Green Movement as two of its important former Presidents joined this rare occasion and planted a variety of trees for posterity. Long live the Save Earth initiative!



# Increase your workflow efficiency through smart optimization

As the industry continues to undergo a major transformation, no printer can afford to ignore opportunities to optimize processes and improve efficiency. Ever shorter runs are the norm today, bigger orders are divided into several smaller jobs with differentiated content and time schedules, while web-to-print portals mostly generate a large number of small jobs and personalized products are on the increase. That all adds up to higher-than-ever requirements and an even heavier workload for your prepress. More files have to be processed and more plates and / or digital print jobs delivered to the pressroom in less time, to prevent the presses from standing still. The workflow and its potential for optimization are taking center stage. This is where the key lies to improving the

overall equipment effectiveness (OEE) of your printing operations. Mass optimization represents an attractive option here that can help you raise the efficiency of your workflow sustainably and hence save time and money.

## Mass optimization drives efficiency

Mass optimization is a strategy for leveraging the known information of all work-in-progress jobs, so that the jobs can be produced in the most efficient manner using the least amount of resources. Various approaches and possibilities exist for implementing mass optimization. Apart from job batching, where groups of jobs are automatically created based on certain criteria, file and sheet optimization also offer tangible benefits here. Automation and the use of

intelligent software guarantee the necessary process speed and precision, so that operator intervention is reduced to a minimum.

The first step on the journey is file optimization, which ensures that all files and content supplied by the customer can be reproduced without any problems or errors in all printing processes relevant for the job. PDF preflight is a typical file optimization software, and printers using a KODAK PRINERGY Workflow System are in the enviable position of having the most robust automatic preflight technology as an integral element of their workflow.

Preflight software automatically checks the files against selected preflight profiles, which can be either based on industry standards or user defined, and reports any nonconformances or errors.

Preflight+, which includes the preflight power of callas pdfToolbox, is integrated in KODAK PRINERGY Workflow. Not only does it identify errors and problems; it also corrects the files automatically where possible. And that's not all – in conjunction with PRINERGY Workflow's Rules Based Automation feature it can automatically send notifications to the person whose job it is to optimize the files in the event of a serious problem. In addition to this, for instance, Rules Based Automation can also cause the problematic files to be moved to a specific directory.

Incidentally, Kodak-style file optimization covers not just production but also customers. Printers who offer customers the option of collaboration via the KODAK INSITE Prepress Portal, which docks onto PRINERGY Workflow, can use INSITE to automatically provide them with preflight reports generated by PRINERGY's Preflight+. Any essential improvements that have to be carried out at the customer's end can thus be completed quickly and in a targeted way at the lowest possible cost.

### The fast and reliable way to optimized press sheets

Sheet optimization is all about combining several jobs on one sheet, or splitting jobs between several sheets, in such a way that even the tightest deadlines are met while production costs and material usage are minimized. When it comes to utilizing the

The screenshot displays the KODAK sPrint One Console interface. At the top, there's a navigation bar with 'Planning', 'Products', 'Resources', and 'Configuration'. The main area shows a timeline for 'Tuesday, 18. June 2019' from 22:00 to 18:00. Below the timeline, there's a 'Product viewer' for job 'A1' showing production data, efficiency data, and a grid of product thumbnails. To the right, a table lists 'Products included in the form A1'.

Order id	Label	Ordered quantity	Overage	Latest press end	Format [in x in]	Cc
CES 4x6 PC 01	Postcard	7500	0	Jun 19 2019, 19:10	6.25 x 4.25	CF
CES 4x6 PC 03	Postcard	2500	0	Jun 19 2019, 19:09	6.25 x 4.25	CF
CES 4x6 PC 06	Postcard	2500	0	Jun 19 2019, 19:10	6.25 x 4.25	CF
CES 4x6 PC 09	Postcard	2500	0	Jun 19 2019, 19:19	6.25 x 4.25	CF
CES 4x6 PC 10	Postcard	7500	0	Jun 19 2019, 19:19	6.25 x 4.25	CF
CES 4x6 PC 11	Postcard	2500	0	Jun 19 2019, 19:10	6.25 x 4.25	CF
CES 4x6 PC 15	Postcard	2500	0	Jun 19 2019, 19:10	6.25 x 4.25	CF
CES 4x6 PC 18	Postcard	2500	0	Jun 19 2019, 19:19	6.25 x 4.25	CF
CES 4x6 PC 19	Postcard	7500	0	Jun 19 2019, 19:10	6.25 x 4.25	CF
CES 4x6 PC 20	Postcard	2500	0	Jun 19 2019, 19:10	6.25 x 4.25	CF
DRUPA 4x6 PC 01	Postcard	7500	0	Jun 19 2019, 19:20	4.25 x 6.25	CF
DRUPA 4x6 PC 02	Postcard	5000	0	Jun 19 2019, 19:16	4.25 x 6.25	CF
DRUPA 4x6 PC 03	Postcard	2500	0	Jun 19 2019, 19:09	4.25 x 6.25	CF
DRUPA 4x6 PC 04	Postcard	1000	1500	Jun 19 2019, 19:09	4.25 x 6.25	CF
DRUPA 4x6 PC 06	Postcard	2500	0	Jun 19 2019, 19:09	4.25 x 6.25	CF

resources available to your business as efficiently as possible, sheet optimization is paramount. Optimizing processes and costs by ganging jobs that share common production attributes (such as the delivery date, press, substrate, inks, coating, type of finishing etc.) is a highly complex affair, especially when the jobs concerned have to be produced within a specific time period. Traditional, manual planning methods are not only very time-consuming; they are also error-prone and inflexible. Fortunately, smart, high performance solutions exist for this purpose today, which even a few years ago would have been considered impossible.

KODAK PRINERGY Workflow users can choose Dynamic Print Planning – one of the innovative PRINERGY Cloud Services – as a convenient solution for automated production planning and creation of press-ready, cost-efficient

layouts. Dynamic Print Planning leverages the computing power of PRINERGY Cloud and artificial intelligence to generate the press layouts along with a manufacturing plan that makes optimum use of the available press capacity in minimal time. In case of last-minute changes to the printing conditions, Dynamic Print Planning can supply an updated plan in next to no time.

This advanced, high performance sheet optimization solution is closely integrated with PRINERGY Workflow. Job ganging workflows can thus be configured with different levels of automation, including fully automatic processes based on a pool of jobs received either online or via a MIS system or else created in the traditional way.

*By Patrick Kerr,  
WW Product Manager,  
Kodak Software Division,  
Eastman Kodak Company*

## Delhi Printers' Association and Don Bosco Training Institute - Delhi, cooperate for skill development in printing sector

To address the skill training needs of the Printing Sector, DBTI is currently offering four courses, with overall capacity of 144 trainees. With the new infrastructure in place, DBTI envisages to expand the training capacity to 500 trainees. DBTI strongly believes that the training expansion and its sustenance cannot be possible without adequate industry support and their active role, both in decision making as well as training implementation.



Based on a number of interactions with print companies to help them in their endeavour to provide

better skills so that it may be beneficial for print trainees as well as print fraternity. Sunil Jain undertook an

interactive session with around 25 print trainees on 31st August, 2019.

DBTI has set up a Sector Advisory Committee (SAC-Print). V.K.Malik, Former President AIFMP, Dayaker Reddy, President IPAMA, Rajesh Bhargava – Vice President – Dentsu Advertising and Sunil Jain, Former President- DPA are members from Industry alongwith the DBTI Team. Delhi Printers Association have been working with Don Bosco Technical Institute.

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## DPA at Media Expo



Messe Frankfurt Trade Fairs India organised Media Expo-2019 at Pragati Maidan in New Delhi from September 6-8, 2019.

At its stall DPA had displayed through panels its 64-year old history of the major events it organised from time to time for the benefit and growth of the printing industry. The association's monthly newsletter *Masik Samachar Patrika* and bi-monthly *Delhi Printer* as well as the directory of its members were also kept for perusal and sale. A number of visitors showed keen interest in the colourful events of DPA which is the largest association of printers in Asia.

## HB Fuller launches non water whitening adhesive for no-label look

HB Fuller launched its new Fulltak SE 8116, a water-based acrylic adhesive that offers non water whitening performance for a no-label look.

Fulltak SE 8116 enables customers to maintain package and brand integrity, even in wet and humid conditions. It performs on a wide range of containers and filmic label stock and is marketed for beverage and household applications.

'With Fulltak SE 8116, clear labels stay clear, however much they come into contact with water,' said Melanie Lack, HB Fuller's business manager for tapes and labels, EIMEA. 'For example, a shampoo bottle will retain its attractive, no-label look even if it gets wet every day when you take a shower. It will even remain transparent if you fully immerse the container in water for 24 hours.'

She continued: 'The no-label look can be critical for

some brands as it facilitates creative label and container design, enabling products to stand out on the supermarket shelf. Now, with Fulltak SE 8116, brand owners can be confident of maintaining this look from the consumer's time of purchase to last use.'

Standard water-based, acrylic adhesives for clear labels turn white when they are in contact with water. While this may be acceptable for some applications, it is not for others.

In addition to its non water whitening performance, Fulltak SE 8116 delivers peel and tack performance on various substrates, such as PP (polypropylene) and PET (polyethylene terephthalate). It is designed for high-speed coating through gravure and Meyer bar application systems, and its balance of properties provides cohesion for die-cutting in the label production process.



## Flint Group Packaging expands its ThermoFlexX brand



Building on the outstanding success of ThermoFlexX digital imagers and Woodpecker Nano screening technology, Xeikon Prepress launched a new and integrated prepress solution for digital flexo plates.

Uwe Stebani, General Manager of Xeikon Prepress said "Since we joined the Flint Group family, we suddenly were in the unique position of having the expertise of one of the leading plate manufacturers combined with our own vast experience of imaging systems, in-house, which is unseen in our industry. As we have optimized ThermoFlexX imagers and developed Woodpecker Nano surface screening, we are now going for the next level to integrate and combine these with new innovations".

More recently, the two divisions with their leading brands ThermoFlexX and nyloflex® focused on efficiency in the packaging prepress value chain, with the objective to introduce an integrated imaging system, producing highest quality flexographic printing plates while increasing productivity in the prepress room. "Our respective know-hows in first class imaging devices, surface screening and photopolymer flexo plates enables us to introduce innovative solutions to the packaging prepress market. Our aim is to create the greatest value for our customers, delivering our promise of solutions that are Better. Faster. Easier to use," said Friedrich von Rechteren, Global Commercial VP Flexographic of Flint Group.

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## UPM Raflatac develops wash-off labeling materials

UPM Raflatac has unveiled a new range of wash-off materials for the European market. UPM Raflatac SmartCircle wash-off labeling solutions to address the growing demand for ways to increase the recyclability of PET and reuse of glass packaging.

SmartCircle wash-off solutions ensure label materials will separate during the PET washing process. An increased yield of clean, high-purity PET flakes sink to the bottom, increasing the availability of high-quality recycled raw material, reducing the need for virgin plastic. SmartCircle wash-off solutions for PET containers are recognized by recycling bodies worldwide, including the Association of Plastic Recyclers (APR) and the European PET Bottle Platform (EPBP). For increased sustainability, UPM Raflatac pairs its wash-off adhesives with a post-



consumer recycled (PCR) liner.

SmartCircle wash-off solutions for returnable glass bottles offer a premium look that resists moisture during product use, yet separates cleanly and easily in standard industrial washing processes. This enables unlimited reuse during the bottle's lifetime, allowing producers serving the European market to enhance their brand's value by switching to self-adhesive labels.

"There is a global drive to reduce, reuse and recycle packaging materials consumed in food, beverage, home and personal care end-uses. Innovative solutions are needed to move towards a truly circular economy," explains Oona Koski, sustainability manager, UPM Raflatac. "Our SmartCircle wash-off labeling solutions are designed to support companies wanting to achieve their sustainability goals and enhance their brand value."

## Kurz develops new cold foil

German thin film technology specialist Kurz has unveiled the new KPW XU cold foil for narrow web printing.

The new development aims to provide converters with a cold foil that combines good processing characteristics and overprintability as well as excellent finishing results. KPW XU is characterized as a versatile grade that offers a high covering power and edge definition, high-gloss finish, and good adhesion when applied.

The cold foil makes processing easy for label printers. Provided the machine and materials have been precisely tailored to one another, trouble-free application of the KPW XU can be expected. Optimal decoration results can be consistently achieved, when using this cold foil, regardless of the design.

## BOBST launches new hybrid press MASTER DM5

BOBST announced the world premiere of its latest innovation – a hybrid label press, which provides the best possible combination of digital and DigiFlexo printing in a single press.

The MASTER DM5 – which has "Mouvment™ Ink-Jet Digital Technology Inside" – is associated with total flexibility for high added value labels, with extremely short job setup and fast return on investment. It is the most digitally automated press in the label market, with the highest print quality and productivity.

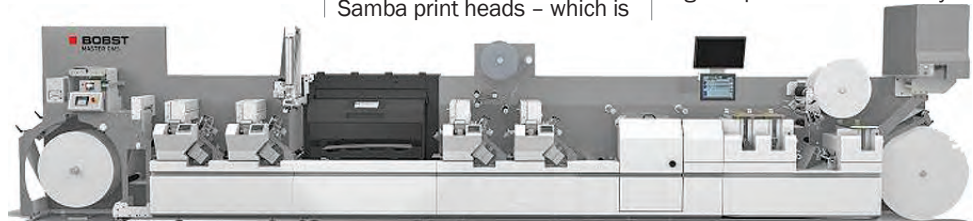
Jean-Pascal Bobst, CEO of

BOBST said "BOBST can now offer the full range of Digital, Hybrid and DigiFlexo solutions, which are perfectly integrated, interchangeable and scalable to all present and future needs."

The MASTER DM5 is the most convenient digital integration available. Immediately it looks different,

standing out at first glance, with the smallest footprint in the industry, easy and user-friendly access to digital print heads and the automated set-up of multi-process operations. The digital print engine inside the MASTER DM5 is made up of Mouvment's proprietary Cluster Technology – integrating Fujifilm Dimatix Samba print heads – which is

the innovative basis of the entire range of digital printing machines developed by Mouvment, BOBST's digital printing competence center. The Mouvment™ Cluster heads are super compact and simple to change for easy and accessible maintenance, and have all-in-one fully integrated inking, conditioning and electronic circuits for the highest print heads reliability.





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## EFI debuts 'affordable' Vutek hybrid

Aiming to bring 'industrial' productivity at a more affordable price point to its wide-format portfolio, EFI yesterday announced the Vutek 32h, a 3.2m LED UV-curing hybrid printer that features a number of quality and productivity improvements.

Capable of 223sqm/hr in roll-fed mode and 84sqm/hr on rigid media, the Vutek 32h is available in eight-colour plus white configurations, with a single-pass mode, resolutions of 600 or 1000dpi and the ability to produce multi-layer prints for day/night or window display.

EFI's product marketing manager for the Vutek hybrid range Thomas Krumm said, 'The aim is to bring down the entry-level cost for moving from wide-format [EFI's 'Pro range] to industrial [the

Vutek line].' When questioned on price, Mr Krumm declined to give a precise figure but said it would be in the 'high twos', presumably referring to US dollar prices in the hundreds of thousands.

Engineering and design improvements include gull-wing doors that provide easier access for maintenance and service, plus a larger clear front cover for better visibility during production. Image quality is said to be improved by changes to the printhead carriage for better balance, a 50% thicker frame and a design that makes the rigid media table effectively part of the frame, simplifying alignment and reducing vibration, all of which contribute to more accurate and consistent dot placement.



## Afinia introduces L502 label printer

Afinia Label has developed L502, a full-colour label printer up to 220mm wide using interchangeable pigment- and dye-based ink sets.

Based on HP thermal inkjet technology, L502 can run highly durable pigment inks and dye-based inks that offer colour vibrancy. It can print large labels with a media width up to 220mm wide. The L502 uses separate CMYK ink cartridges that contribute to a lower cost per label and reduce ink waste.

Recent improvements to the firmware allow for over 2x faster printing, as compared to the original L501 printer. The improved print speed does not sacrifice colour vibrancy or print quality, stated Afinia.

The heavy-duty construction of the L502 colour label printer includes an all-steel industrial cover, with a window for print bed visibility and status monitoring. It also includes improved sensors that allow for greater compatibility with specialty media, such as



reflective metallic materials. In addition to the standard roll-fed model, the L502 is also available in a fanfold-compatible version (F502) with the same build quality and feature set.

Improvements extend to the toolbox, allowing for increased control, including 'pause' and 'cut' functions. Firmware upgrades can also now be more easily performed.

L502 has been tested and certified to produce BS 5609-compliant and GHS labels, which helps keep chemical manufacturers in compliance with packaging and transportation requirements. This testing evaluates the permanence of the print through abrasion and submersion in salt water for a period of 90 days.

## Morgana launches new Larger Sheet Booklet Makers

A new range of booklet makers, BM5000 and BM3000, were launched by Morgana and Plockmatic Group at the Print Show, UK.

Capable of handling sheets of up to 620mm in length, the new products can handle larger cut-sheet sizes, A3 landscape and oversize booklets enabling the production of the ever popular A4 landscape format.

Ray Hillhouse, General Manager, UK Operations for the Plockmatic Group, said: "We are proud to be showing the most innovative refresh of our portfolio ever. The all new Morgana BM5000 and BM3000 are the latest members of the Plockmatic Group booklet making family, engineered for mid-to-high volume customers with the highest quality and

functionality.

Maximum paper size on the BM5000 machines is 320mm by 620mm. On the BM3000 machines, 305mm by 457mm and can staple and fold up to 50 sheets of 80gsm to create booklets of up to 200-pages. The BM5035 and BM3035 are capable of handling 35 sheets to create up to 140-page booklets.



## BALDWIN Vision Systems highlights technology solutions for print quality perfection at LEX Europe

BALDWIN Vision Systems (BVS) showcased the latest additions to their product portfolio—including Guardian RTM, a new real-time quality monitoring and reporting tool, and significant new capabilities for the ColorTrack software solution.

According to President Vince Balistrieri, “The name ‘BALDWIN Vision Systems’ may not yet be familiar to label and narrow web printers. But the BVS product portfolio brings together decades of proven experience from established industry leaders in advanced color and inspection technology.”

Guardian PQV 100% Print Inspection eliminates every defect with a more efficient, accurate, data-connected inspection workflow. PQV



provides complete print quality verification from prepress through production, reporting, and archiving for perfect runs. With Guardian RTM Real-Time Monitoring, printers can track and compare many different production metrics. Press managers can monitor changes as they happen, and make highly-informed decisions about print quality, defect management, and even operator-to-operator performance. Guardian OLP Offline Proofing & Inspection focuses on pre-press proofing and pressroom quality control. Graphic-Vision® 500 Series Web Viewing Systems quickly find defects such as mis-registrations, streaks, voids, and fills. For high quality, high accuracy inspection requirements—such as pharmaceuticals, security and banknote—BVS provides solutions that meet the most exacting standards, with features including sequential data verification, bar code decoding & grading, custom lighting and more.

At Labelexpo Europe 2019, BVS also offered an early preview a new defect management technology,

which the company will launch fully at drupa 2020 in Düsseldorf, Germany.

ColorTrack™, color expert in a box, software facilitates fast, accurate press-side correction of ink formulations. ColorTrack seamlessly integrates with ink recipe software to not only simplify workflow, but also dramatically reduce the number of ink corrections needed to achieve accurate, optimal color. InkWeigh™ eliminates trial and error by weighing and tracking ink corrections at the press for each client, each job. Optimize and reduce leftover storage, and ensure full traceability.

DeltaCam™ provides accurate inline spectral measurements, reducing waste and ensuring all printed products are within your customers’ color specifications.

BVS also introduced its new ColorTrack Analytics software, which is designed to help printers deliver consistent, accurate color quality and customer reports — no matter what facility, process or materials are used to produce the printed product.



A Sumi Publications Initiative

Membership to DIGAF is open to companies involved in digital production printing, wide format, professionals working in the field of technical development and promotion of digital printing.

Become a member today. Download the application form at [digaf.org](http://digaf.org), complete and send it with the information of your company to the DIGAF Secretariat.

**\*Special Introductory offer: The first 200 registrations will be eligible for a waiver of Rs. 2,000/- towards one time joining fee.**



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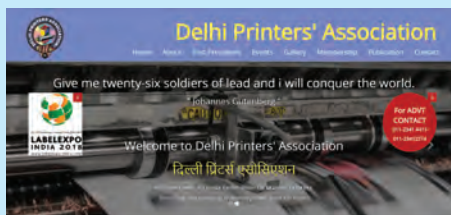
Avail of Rs. 2,000 concession\*

## DPA's website

Delhi Printers Association has launched its revamped website.

Please explore the updated website. We would be grateful for any feedback.

Explore at: [www.delhiprintersassociation.org](http://www.delhiprintersassociation.org)



## Kuala Lumpur named World Book Capital 2020

Kuala Lumpur (Malaysia) was named World Book Capital for the year 2020 by the Director-General of UNESCO, Audrey Azoulay, on the recommendation of the World Book Capital Advisory Committee.

The city was selected because of the strong focus on inclusive education, the development of a knowledge-based society and accessible reading for all parts of the city's population.

With the slogan "KL Baca – caring through reading", the program focuses on four themes: reading in all its forms, development of the book industry infrastructure, inclusiveness and digital accessibility, and empowerment of children



through reading. Among other events and activities there will be the construction of a book city (the Kota Buku Complex), a reading campaign for train commuters, enhancing of digital services and accessibility by the National Library of Malaysia for the disabled, and new digital

services for libraries in 12 libraries in poor housing areas of Kuala Lumpur.

The city's objective is to foster a culture of reading and inclusiveness - "A city that reads is a city that cares" – emphasizing ubiquitous access to books throughout the city. The city's ambitious

programme for World Book Capital is linked to the Vision 2020 for Kuala Lumpur and the eco-city project called the River of Life with open-air bookshops and libraries populating the newly-restored waterways of the city.

The year of celebrations will start on 23 April 2020, on the World Book and Copyright Day.

Cities designated as UNESCO World Book Capital undertake to promote books and reading and to organize activities over the year. The application of the city of Kuala Lumpur was accepted by an Advisory Committee, comprising representatives of the International Publisher's Association (IPA), the International Federation of Library Associations (IFLA) and UNESCO.

## Esko Introduces New Kongsberg Cutting And Creasing Solution

Esko has launched Dual Heavy Duty Unit on Kongsberg digital cutting tables for those jobs that require creasing, cutting and perforation. The machine will automatically switch and use the right tool throughout the job, significantly ramping-up production efficiency.

With the uniquely engineered design of a Kongsberg table, it is possible to exercise an unrivalled 50kg of downforce on corrugated materials from single to triple wall, without compromising speed or quality. The Dual Heavy Duty Unit delivers better crease quality, even on materials with a high recycled material content. When combined

with the Esko CorruSpeed Tool, converters can cut and perforate corrugated substrates with die-cut like quality at full machine speeds of up to 100m/min, offering the ultimate short run digital cutting solution for corrugated applications.

The CorruSpeed Tool is

designed for high-speed digital finishing of corrugated board and is unique in that it uses a static knife in combination with a patented knife foot design to simulate the effects of ejection rubbers in conventional die tooling. The unique design results in

cleaner, more accurate cuts, without burrs. It produces a crisp edge finish even at the highest speeds, smoothly cutting a wide variety of corrugated board types up to 7mm double wall BC flutes.

The new Dual Heavy Duty Unit is a unique step forward for the Kongsberg range. It combines, for the first time, two independent wheels in one heavy duty unit. Unlike other solutions, operators maintain all the advantages of superior downforce and speed with the advantages of additional flexibility and higher throughput.

The Dual Heavy Duty Unit and Corruspeed tool retrofit on all existing Kongsberg C, Kongsberg C Edge and Kongsberg XP tables running iPC.



# Bulletin Board

## Event Watch



### Digital Print for Packaging Europe

2-4 December  
Berlin, Germany  
Contact:  
Emma Newton  
Smithers Pira  
Cleeve Road, Leatherhead  
Surrey, KT22 7RU, UK  
Tel: +44 (0) 1372 802016  
Email: enewton@smithers.com  
Website: www.printfutures.com/europe



### Label Expo Asia 2019

3-6 December  
Shanghai, China  
Contact:  
Kevin Liu,  
China Project Director  
Tel.: +86 (21) 64393501  
Email: kliu@labelexpo.com  
Website: www.labelexpo-asia.com



### Paperex

International Exhibition & Conference on Pulp & Paper Industry  
3-6 December  
New Delhi, India  
Contact:  
International Trade & Exhibitions India Pvt. Ltd  
1106-1107, 11th Floor,  
Kailash Building,  
Kasturba Gandhi Marg,  
New Delhi 110001, India  
Tel: +91-11-4082 8282  
Fax: +91-11- 40828283  
Email: gagan.sahni@ite-india.com  
Website: india.paperex-expo.com/Home



### Pacprocess

Exhibition on processing and packaging  
5-7 December  
New Delhi, India  
Contact:  
Messe Düsseldorf India Pvt. Ltd.  
302-302A, 3rd Floor  
Salcon Aurum  
Plot No. 4, Jasola District Centre  
Near Apollo Hospital  
New Delhi - 110025, India  
Tel.: +91 11 4855-0000  
Fax: +91 11 4855-0099  
Website: www.pacprocess-india.com



### New Delhi World Book Fair

Theme: "Gandhi, The Writers' Writer"  
4-12 January  
New Delhi, India  
Contact:  
National Book Trust  
5, Institutional Area, Vasant Kunj,  
Phase - II, New Delhi-110070  
Tel: +91 (11) 26707778  
Email: nbtindia@ndb.vsnl.net.in  
Website:  
www.newdelhiworldbookfair.gov.in



### Pamex 2020

International exhibition on printing and allied machinery industries  
6-9 January  
Mumbai, India  
Contact:  
Print-Packaging.com (P) Ltd.,  
F-101, Tower No.7, First Floor,  
International Infotech Park,  
Vashi Railway Station,  
Vashi, Navi Mumbai 400705, India.  
Tel: +91 22 27812093  
Fax: +91 22 27812578  
Email: varsha@print-packaging.com  
Website: www.pamex.in



### Hong Kong International Stationery Fair 2020

Trade fair for Stationery, Office Supplies and Educational Systems  
6-9 January  
Hong Kong  
Contact:  
Messe Frankfurt (HK) Ltd.  
35/F China Resource Building,  
26, Harbour Road, Wanchai,  
Hong Kong  
Tel.: +852 2238 9951  
Email: stationery@hongkong.messefrankfurt.com  
Website: www.hkstationeryfair.com



### Viscom 2019

Live experience for signmakers and digital printers  
7-9 January  
Dusseldorf, Germany  
Contact:  
Reed Exhibitions Deutschland GmbH  
Anschrit: Völklinger Str. 4  
Deutschland - 40219 Düsseldorf  
Telefon: +49 211 90191-102  
Fax: +49 211 90191-149  
Email: csc@reedexpo.de  
Website: www.viscom-messe.com/

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**Polygraph**  
Original Perfecta  
Guillotine - 42"

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**Planeta PO-1**  
Single Colour,  
20"x29"

•  
**Berkey Technical**  
Xenon Light Source  
(Unused)

•  
**Ultra MAN**  
Single Colour,  
30"x40"

•  
**Platemaking**  
equipment,  
Process Cameras

•  
**Ichida**  
Section Sewing  
Machine

•  
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Spare Parts  
(New)

All machines in good running condition

Contact:

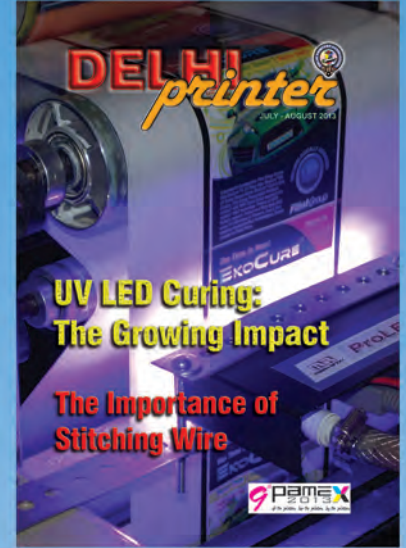
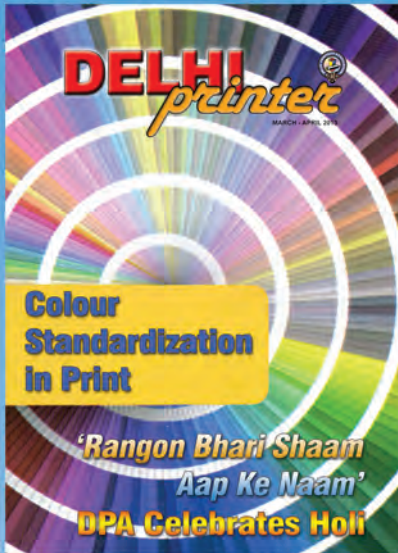
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# DELHI *printer*



## Official magazine of Delhi Printers' Association

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- Production managers within publishers needing a basic understanding of the capabilities of print
- Commercial print buyers, Government agencies.

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| <input type="checkbox"/> Printer - Screen       | <input type="checkbox"/> Dealer/Agent            |
| <input type="checkbox"/> Printer - Digital      | <input type="checkbox"/> Government Organisation |
| <input type="checkbox"/> Quick Printer          | <input type="checkbox"/> Advertising Agency      |
| <input type="checkbox"/> Newspaper Organisation | <input type="checkbox"/> Media                   |
| <input type="checkbox"/> Publisher              | <input type="checkbox"/> Freelancer              |
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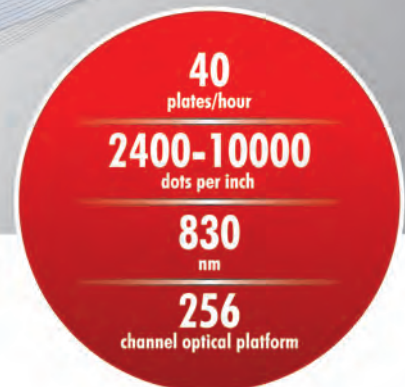
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