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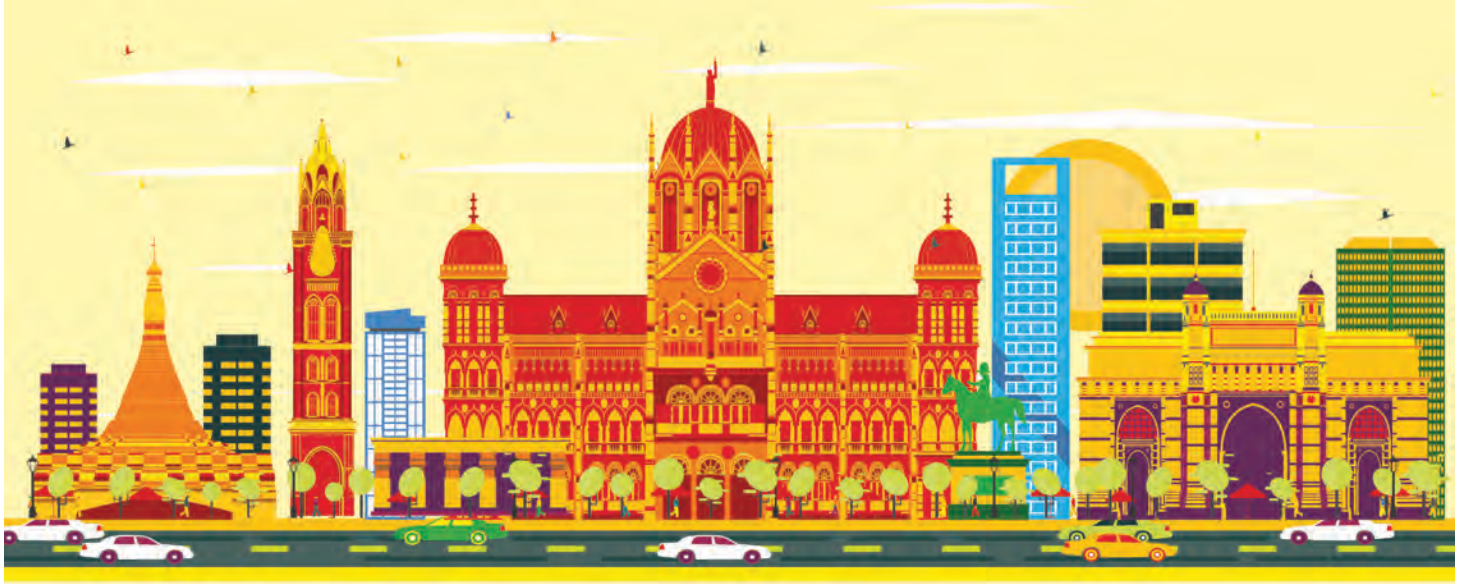

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Editor:
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Printing industry in India has seen frequent developments in new technologies in nearly all segments. With new technologies comes the need for trained manpower for its optimum use. The industry has moved away from semi-skilled to fully-skilled staff to run the new machines. Apart from being able to handle the sophisticated equipment there is also a need to know its full applications. Currently there are very few institutes in India that have the capability of imparting skill development with hands on practical experience in different avenues of printing, particularly in new technologies.

Keeping this in mind Don Bosco Training Institute (DBTI), Delhi is proposing to start new courses in digital printing and other sectors of the industry, which are not fully addressed in the country (Also see article in this issue). It is now for the printing industry, both Service Providers and OEMs to come together and support this initiative, so that they can reap the benefits of availability of skilled operators easily to get the best ROI.

Associate Editor:
Sunil Jain

Dear Friends,

A new team of Executive Members and Office Bearers under the leadership of Shri Mahinder Budhiraja has taken over the reins of Delhi Printers' Association. All the Former Presidents have always been a part of the team and they keep on guiding them with their valuable suggestions and experience. But, the most important aspect of an association and its functioning is YOU, the ordinary member of the association.

Your putting forward the problems and coming up with your queries keep the association and the executive on their toes to keep themselves abreast of the situation and help in growth of the member as well as association. Similarly participation in the events organized by the association helps you in gaining knowledge as well as networking with fellow printers. The association also gains by your participation as it can show its strength to lure good keynote speakers as well as sponsors.

Office at DPA has been sending important information to all the members by WhatsApp broadcasts from the Office Mobile No. 9971371109. Please save the number in your phonebook, so that the broadcasts continue to reach you.

In case you have a query or grievance, please send us a mail instead of calling up. This would ensure proper understanding of the issue thereby ensuring proper resolution and also maintaining complete transparency.

Suggestions are always welcome. The email id of DPA is delhiprinter@hotmail.com and delhiprintersassociation@gmail.com

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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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- "What Next?" - Kodak organises Flexo Forums
- Color-Logic marks 10 years of Process Metallic Color System
- Toray Graphics introduces new waterless offset plate
- Electronics For Imaging completes acquisition by an Affiliate of Siris Capital Group, LLC

From the President

While greeting the members of Delhi Printers' Association I express my profound thanks to them for unanimously electing me as President for the 2019-2020 term and for giving me a chance to serve the printing fraternity of Delhi. I assure the members that like my predecessors I will stand up to their expectations by discharging my duties sincerely and fruitfully.

Though the advent of digital age and internet has been posing a challenge for the art of printing and portends a decline in print business, yet as seen in practicality we find that no such down-slope has been felt, especially because the joy of reading printed books continues to march ahead of e-publishing. However, different views on e-books and printed books are doing the rounds. Some feel that e-books and paper books are both equally effective options for learning. Although e-books are a wonderful way to imbibe technology, yet there is still a lot of value in paper books as they bring a sense of ownership and are a convenient way for students to refer.

Paper books are now being complemented by e-books in many schools but replacing them will take a good amount of time. E-books do provide portability and help to scan a particular subject from fingertips, but they cannot be recommended for young age students as the devices are very fragile to handle. Printed books can be read any where, but that is not possible with digital devices. On the other hand, e-books can be a better option for senior students, but as a teacher or parent paper books will help a student to focus more. Similarly, parents and teachers can also have a focused approach while teaching children at home. Digital books will prove to be a boon for children with special needs as font size can be altered as per their needs. Moreover, text-to-speech system is also integrated into the devices.

All said and observed, printers need not get alarmed as it is a far cry to fear any major dent in their print business by the advent of e-books.

- Mahinder Budhiraja

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TechNova Imaging Systems introduces blankets for newspaper presses

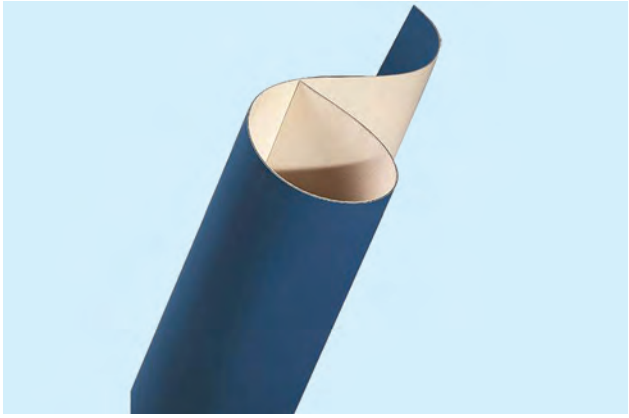
TechNova Imaging Systems under its initiative of TechNova Imaging EcoSystem (TIE), has added India-made IMPRINT blankets for newspaper presses from Mahalaxmi RubTech Limited (MRT).

The IMPRINT series of blankets are designed for diverse printing applications such as conventional printing (brand names: Polset, Ultra, and Royal Green); UV printing (brand name: PrintUV); coating & stripping (brand name: StripCoat); metal deco (brand names: Royal Green and Spectra); packaging (brand names: Robusto and Royal Green); UV and conventional printing (brand name: Spectra Combi); and of course newspaper printing (brand names: Rapid-Web 1.7mm and Xpeedo-Web 1.96mm). The two flagship web offset press blankets—Rapid-Web 1.70mm and Xpeedo-Web 1.96mm are proven products and known for durability and quality consistency.

"We are glad to join hands with TechNova to offer for the first time India-made Printing Blankets to the Indian Newspaper Industry. These blankets have been exclusively designed and constructed to offer the highest Quality, Consistency and Durability," informs Rahul Parekh, Managing Director, Mahalaxmi RubTech Limited.

Amit Khurana, Chief Operating Officer, TechNova Imaging Systems Pvt Ltd. says "We are very happy to be associated with MRT and look forward to a long and mutually enriching relationship. We highly respect MRT's technological prowess in manufacturing world-class printing blankets, right here in India. This gives us yet another opportunity to serve our valued newspaper customers and express our gratitude to our customers for their continued support and trust in all our endeavours to serve them".

TechNova Imaging Systems is an authorised distributor for the range of IMPRINT blankets, manufactured indigenously by Ahmedabad-based Mahalaxmi RubTech Limited (MRT).



Provin sets up demo center for Miyakoshi in New Delhi

Provin Technos has set up a demonstration center for Miyakoshi MLP high speed semi-rotary narrow web offset press in Okhla industrial area, New Delhi.

Akshay Kaushal, executive director sales at Provin Technos, said: 'The objective is to give the potential customers a first-hand experience and showcase the capability and quality of this machine.'

'With features such as automatic wash up, shorter web path, advanced cold start and finish function, the material wastage reduces by about 30 percent and job change over time is also considerably less,' said Kaushal. 'It is an ideal press for printers looking to cater to short, medium run jobs and produce high quality labels.'

The roll-to-roll demo press, MLP 13 C, features one flexo unit, five offset printing units, two flexo varnish stations, a die-cutting unit and a delam/relam unit.

Provin Technos represents Miyakoshi in India.

ESIC Contribution Rates Revised

In a historic decision taken by the Government of India the rates of contribution by employers and employees, under the ESI Act, have been drastically reduced in order to give a big relief to both. The new rates, as applicable from July 1, 2019 are:

ESIC contribution	Existing Rate	Revised Rate
Employers' Share	4.75 per cent	3.25 per cent
Employees' Share	1.75 per cent	0.75 per cent
Total	6.50 per cent	4.00 per cent

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Avery Dennison opens Intelligent Label Solutions Lab in India

Avery Dennison opened its first intelligent label innovation space in the Asia Pacific and Sub Saharan Africa region.

Located in Pune, India, it is an interactive facility that provides customers and partners with hands-on experiences, live demonstrations and technical support, to help converters and partners explore the opportunities surrounding intelligent label solutions and RFID adoption.

"We are thrilled to be the third global I.Lab™ in India. "Through I.Lab™, we are well-positioned to advance the creation, delivery and adoption of intelligent label solutions for businesses in various industries," said Pankaj Bhardwaj, Senior Director and General Manager, Avery Dennison, South Asia, Avery Dennison.

This new I.Lab™ will demonstrate how Avery Dennison's intelligent labeling solutions can bring any item to digital life, transforming multiple industries including aviation, apparel, beauty, and food. By connecting the physical and digital world through unique item-level digital identities, businesses can benefit from improved inventory management and increased efficiencies throughout the supply chain.

Anil Sharma, Vice President and General Manager, Avery Dennison, South Asia Pacific and Sub Saharan Africa said "Tomorrow's business

requires smarter solutions that bring positive changes to the way we live, work and play. This investment in I.Lab™ reaffirms our commitment to spearhead co-creations of innovative solutions for tomorrow's needs with our customers, partners and other stakeholders, in our communities across this region."

The I.Lab™ center in Pune is a fully immersive space, taking visitors through the entire supply chain from back-end to front-end environments. Visitors can experience first-hand how Avery Dennison's intelligent labeling solutions capture and store information and wirelessly transmit data to make businesses more informed.

Heidelberg hosts operator training forum with IMPA at Indore

As part of a joint initiative with Indore Master Printer Association (IMPA), Heidelberg hosted a one-day training workshop at Indore in June for press operators. The session was well attended by more than 50 participants from print shops across Indore.

The event imparted key knowledge of factors influencing overall productivity and fitness of offset presses. The lively, interactive sessions were well supported with real-time trouble-shooting solutions.

Manish Kumar Gupta, Regional Sales Manager – Heidelberg India, organized the 'Operator Forum' as a knowledge-sharing drive, while Munish Kaushal, Print application specialist of Heidelberg India, took the lead technically.

The workshop served as a platform to educate operators on various printing methods and the dos and don'ts of offset printing processes. The training also instructed operators on the correct ratio of chemicals to be used for dampening solution, torque requirements of mounting blanket, application of precise squeezing pressure and the ill-effects of excess pressure on print quality and life of equipment.

Manish Kumar Gupta commented, "The idea is to empower shopfloor personnel with more techniques to maximize productivity and minimize wastage. The forum served its objectives well, by additionally guiding shopfloor personnel on the best practices to be observed during the production process, roller settings and the importance of roller maintenance."

"Heidelberg has always been a trusted partner for the printing fraternity across the globe. We are very happy to collaborate with Heidelberg on this excellent endeavor. The event was highly effective, enriching participants with added value and knowledge. We look forward to more such guidance, support and inspiration from Heidelberg," stated Swadesh Sharma, President of the Indore Printer Association.

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Chandigarh's Goel's Press installs Xerox Versant 180

Chandigarh based Goel's Press recently installed a Xerox Versant 180. The 67 year old company which is optimistic for growth of the printing industry in the booming Economy explains the new purchase in the plant. The new install will enhance the capacity of production that shall enable to tap new regions and markets. The firm shall also have better quality and capacity to serve their existing as well as new customers.

The upward trend in the printing industry over the past few years has echoed with the growth in Goel's Press. That's how the Goel's decided to plan for the future as well. They plan to continue to be a legend quality supplier in commercial segment with augmented capacity and explore the new regions.

With the new set up they also aspire for better volumes and provision of consistent quality with a difference to its valued customers.

Leo Designs & Packaging enhances production capacity with installation of Gallus ECS 340

Nalagarh based Leo Designs & Packaging, catering to industries in cosmetics, food and beverage, pharmaceuticals and electronics segment, recently invested in Gallus ECS 340, a 9-color flexo press to enhance production capacity and supplement its existing three narrow-web flexo presses.

Vivek Rao of Leo Design & Packaging, said, "With increased capacities we are able to give better client satisfaction. Our clients, their positive growth trajectory and personal bonds we share with them prompted us to purchase the Gallus. In addition, team Gallus came across very professionally in the entire exercise."

Giving details of the press, Pravin Mahajan, AGM (Gallus) - Heidelberg India said "An increasing number of label printers are opting for Gallus ECS 340, primarily because of its diverse applications. The equipment meets critical challenges of the label market, which faces rising cost pressures, complex designs, shrinking run lengths, and on-time deliveries. The Gallus ECS 340 rises above and beyond these demands of label printing, ensuring maximum productivity with cost efficiency. Exceptionally short web path of just 1.1m, reduce considerable wastage, provided cost-effective production. The modular design of the ECS 340 helps accommodate embellishing techniques such as flexographic and screen printing, cold foil and rotary die-cutting."

Weldon to represent AstroNova for TrojanLabel

AstroNova has appointed New Delhi headquartered Weldon Celloplast as its exclusive distributor to sell and service TrojanLabel printer equipment and products in North and East India.

Kanwardeep Sahni, Managing Director Weldon Celloplast, said: 'TrojanLabel products will complement our range of offerings to the Indian Label industry. Digital label printing is catching up fast and with AstroNova products we will be able provide printers an affordable entry into the segment.'

Harveer Sahni, chairman at Weldon Celloplast, added: 'The Indian label industry's indulgence in digital printing has begun and for printers to initiate their journey into digital printing, TrojanLabel offer the right kind of products. It is a good partnership and Weldon looks forward to keep bringing value to their customers continuously.'

Eric R. Menke, APAC sales director at AstroNova, said: 'We are confident Weldon Celloplast will provide superior services to clients in the North and East region of India. We wish Weldon all the best and look forward to working with them.'

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Delhi Printers' Association elects new team

The Annual General Meeting of Delhi Printers' Association was held at Malviya Smriti Bhawan on April 27, 2019. Despite scorching heat in the city the attendance by members surpassed all expectations. President Rajesh Sardana welcomed the members to the AGM and thanked them for the honour given and the confidence reposed in him and his colleagues in the executive body by unanimously electing them for the 2018-2019 term. He also thanked the members for extending their valuable cooperation and suggestions which encouraged him and his team to achieve their targets. He also took the opportunity to express his gratitude not only to his colleague office bearers, EC members and staff, but also to senior former Presidents for all their support, blessings and valuable guidance from time to time.

Presenting his annual report of DPA's activities during 2018-2019, the Hon. General Secretary Mahinder Budhiraja read out details of the various important activities, which included hosting of 242nd GC Meeting of All India Federation of Master Printers at Pride Plaza Hotel on September 29 & 30, 2018 and the Printers' Day on February 24, 2019. Expressing their unanimous approval of the report, the members congratulated the outgoing team for achieving their goals.

Treasurer, Kewal Krishan Singhal presented the audited statement of accounts for the year 2017-2018 which were adopted unanimously.

On behalf of former

Events

ANNUAL GENERAL MEETING - 2019

YES BANK

ANNUAL GENERAL MEETING - 2019
DELHI PRINTERS' ASSOCIATION

ANNUAL GENERAL MEETING - 2019

YES BANK

Presidents, Vijay Mohan congratulated the outgoing executive committee on successful completion of its term under the competent leadership of Rajesh Sardana and lauded their working and achievements. He hoped that the incoming newly elected executive body would endeavour to do better and set higher benchmarks. Referring to the hosting of the 242nd GC Meeting of AIFMP, he said that although in the tough fight for Federation's election DPA's candidate Sunil Jain had been elected as Vice-President (North), the association had not felicitated him so far. Therefore, he requested the outgoing president Rajesh Sardana to honour Sunil Jain by presenting to him a special gift as a memento.

Vijay Mohan hailed the Vice-President of DPA and Corporator of East Delhi Municipal Corporation Ajay Sharma on his being elected as a member of the Standing Committee of EDMC and also thanked him for sparing his precious time, during the hectic ongoing General Elections, by attending the AGM. He expressed his confidence that Sharma would continue to extend his support to the cause of Delhi's printing fraternity.

Rajesh Sardana adjourned the meeting and invited the Co-Returning Officer Mr. Raj Kumar Arya to the dais to announce results of the unanimous election of DPA for the 2019-2020 term. Names of the newly-elected members of the executive body were announced and congratulated. Amid thunderous applause the new team was welcomed with garlands.

In recognition of the outstanding services rendered by the outgoing President Rajesh Sardana, the newly elected President Mahinder Budhiraja and senior former Presidents honoured him with a *shawl* as well as a memento.

The AGM was followed by a powerpoint presentation made by Yes Bank, the sponsor of the event. Bank's specialized team for printing industry explained the bank's schemes for financial support to member printers and also answered the different queries of the audience.

Representatives of Yes Bank also were presented a memento for their support to DPA's AGM.

The day ended with high tea.

Team for 2019-2020

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Mahinder Budhiraja
Emkay Printers

Vice Presidents
Ashok Kumar Nandra
Vipan Packers

Prakash Dass
Dass Printers

Puneet Talwar
Impact

Hon. Gen. Secretary
Kewal Krishan Singhal
Santosh Offset

Joint Secretaries
Prashant Aggarwal
Sadhana Enterprises

Sandeep Aggarwal
Vishnu Offset Printers

Treasurer
Meghraj Bhati
Choudhary Offset Process

E.C. Members

Ajay Sharma
Bharat Mudranalaya

Ashish Verma
Bhart Offset Works

Ashok Aggarwal
Nutan Printers

Atul Goel
Kaveri Printers Pvt. Ltd.

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Panchal Press

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Simranjot Singh Bhatia
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Sunil Jain
Sunil Packaging Industries

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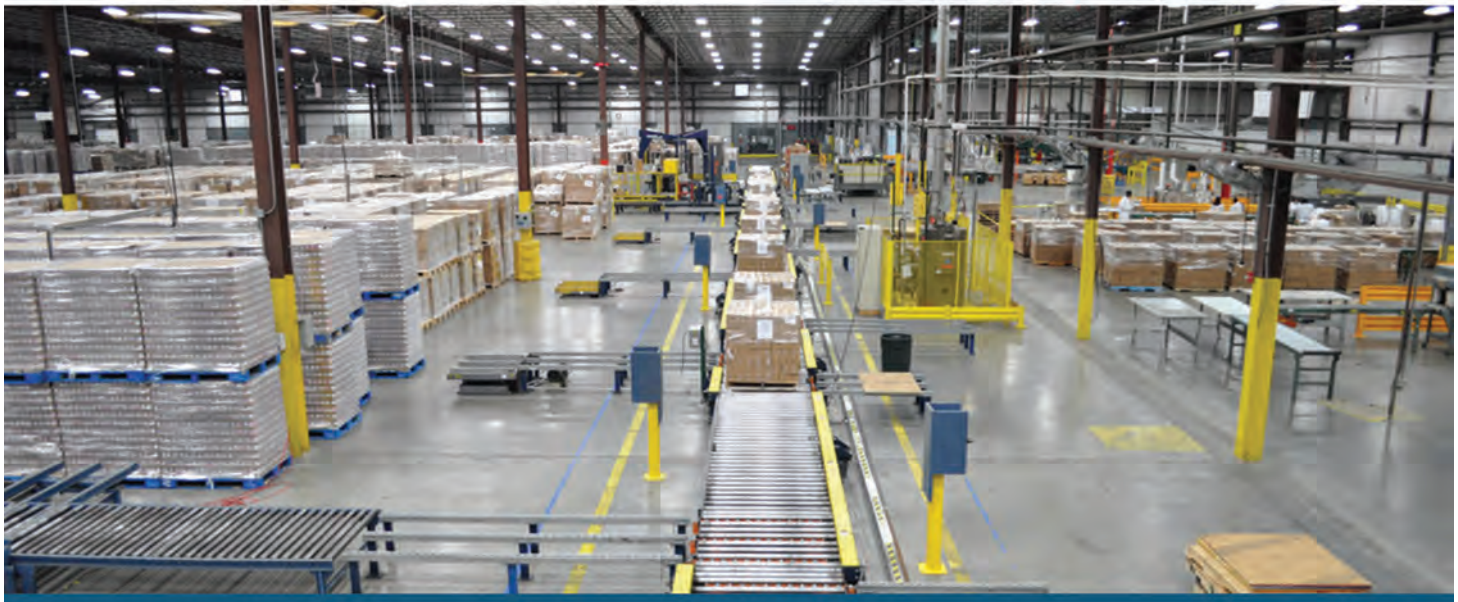

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8080 171 171
info@kapso.in

DPA Plays Yes Bank Premier League

Yes Bank Limited organised the 5th Edition of YES BANK PREMIER LEAGUE (YBPL) at Gyan Bharti School, Saket, New Delhi on 28th April 2019.

YES BANK, one of the leading sponsors of IPL, created YBPL as a unique sporting platform to engage with the MSME community by giving their employees a chance to showcase their cricketing talent. YBPL is now played in ten cities across India. Incidentally, Delhi Printers' Association team was the winner of the YES BANK PREMIER LEAGUE in the inaugural year in 2015.

During these five years, YBPL has grown significantly in terms of team participation and interest among viewers. Matches played with full passion, commitment and vigour are streamed live on You Tube channel for the team supporters.

The Delhi edition of YBPL was played between teams of Vigour Mobile India, May ERP Ltd., IMT Industrial Association, SIDBI, Know Cross Solutions, Delhi Printers' Association, DLF Industries Association, Spice Jet, Gypsum Producers India, Apparel Export Promotion Council, PHD Chamber of Commerce and Industry, The Hans Foundation, AIPIA, Manufacturers Association of Bawana, Koncept Automobiles, Power2SME, Interarch Building Products and Denave India.

DPA team, PRINTERS XI, other than their non playing captain Mr. Sunil Jain and Vice Captain Mr. Puneet Talwar, comprised Rajesh Gupta, Nitin Chauhan, Gyanendra Gupta, Aditya Mohan, Vinay Sharma, Raghav Goel, Vijay Goel, Nishchal Kumar, Sanjiv Singh, Daksh Gupta, Manish Sahni, Aryan Sahni, Suresh Khubyani, Viyom Gupta, Niel Gupta and Reyansh Sahni.

In the knock out match PRINTERS XI beat the Manufactures Association of Bawana with the highest recorded score of 97 runs. Happily, Vinay Sharma of PRINTERS XI was adjudged the 'Man of the Match'. The second match of PRINTERS XI was a qualifier match in which they lost to Know Cross Solutions.

DPA is proud that its team played the league at such a short notice and in scorching hot weather. In the final Spice Jet team lifted the trophy beating SIDBI.

Kudos to YES BANK for hosting the event in such a professional way and for providing an opportunity to the employees of MSME organisations who otherwise seldom get to play matches in such a high level of competition. DPA is thankful to Vikas Sharma and Danish Zaheer of YES BANK for inviting it to participate in their YBPL and for their superb hospitality.

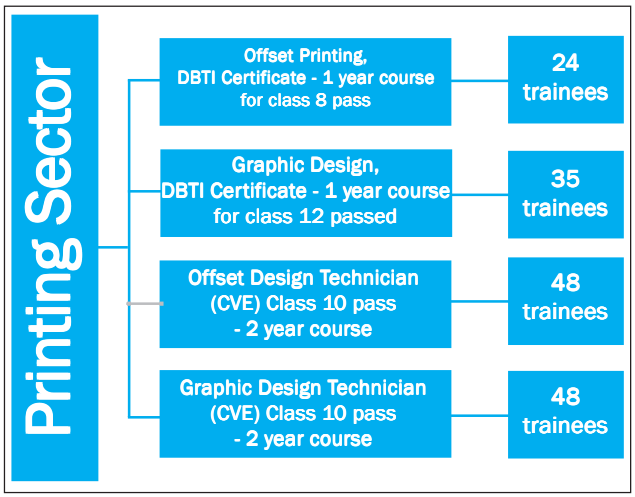
Feature

DBTI Okhla

Skilling youth for Print Industry

Don Bosco Technical Institute (DBTI), Okhla, Delhi www.donboscotechdelhi.in is one of the leading Private Industrial Training Institute in Delhi. Operating since 1971, DBTI has trained over 20000 youth, some of whom are placed in the senior positions in various sectors. The institute offers skill training courses in three key sectors, namely Mechanical, Computer and Printing through a mix of long term and short-term courses, with affiliation ranging from Craftsmen Training Scheme (leading to NCVT certificate by the Government of India), the Sector Skill Councils (leading to certificates from NSDC and SSC) as well as DBTI certified courses.

The skill training courses at DBTI are designed to equip the trainee to become a responsible adult and a responsive employee. They all go through a set of holistic skills that helps them shape their attitude and knowledge in technical, personal and organizational skills. The training at DBTI stands out, mainly as has a strong focus on:



- Disciplining young minds and providing safe space for personal growth
- Training in latest technologies.
- Promoting holistic development by integrating domain skills with communication skills (English literacy and Computer literacy), life skills and social skills (collaboration, team-work, customer relationship and develop social networks

To align with the technology and the demands of the employment, the DBTI Okhla initiated the modernization and upgradation of the training facilities. With the newly constructed multi-storeyed building, DBTI is restructuring and expanding its training courses. From the current training capacity of 1200, the institute would like to achieve 5000 trainees per year by 2025.

Printing Sector:

To address the skill training needs of the Printing Sector, DBTI is currently offering four courses, with overall capacity of 150+ 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, DBTI has set up a Sector Advisory Committee (SAC-Print) with experts from the Delhi Printers Association, All India Federation of Master Printers, Indian Printing, Packaging and Allied Machinery Manufacturers Association.

It is envisaged that the **SAC- Printing** would:

- Help the training courses align, streamline and keep pace with the trends in the sector
- Enhance relevance of training by focus on specialization – which could be in different areas, like ink technology, paper technology, print technology, digital printing, screen printing, etc. which would enhance the trainee's employability and provide them the much-needed competitive edge.
- Extend effective industry linkage and minimizing gap between technical skills delivered and those required by the industry – extending support in training and placement of the youth;
- Contribute in improved training implementation – encourage industry to support DBTI by providing training hardware (equipment, raw material, etc) as well as software (contribute in training expenses, scholarship to trainees, trainers training, etc)
- Support trainees by connecting them to industry for sponsorships for training and further training, in-company training, placement, etc

It is envisaged that the SAC-print would bring a much larger number of print companies to partner with DBTI Okhla and support the socio-economic empowerment of youth as well as ensure higher productivity for the industry by preparing highly skilled youth committed to making a long-term career with the industry.

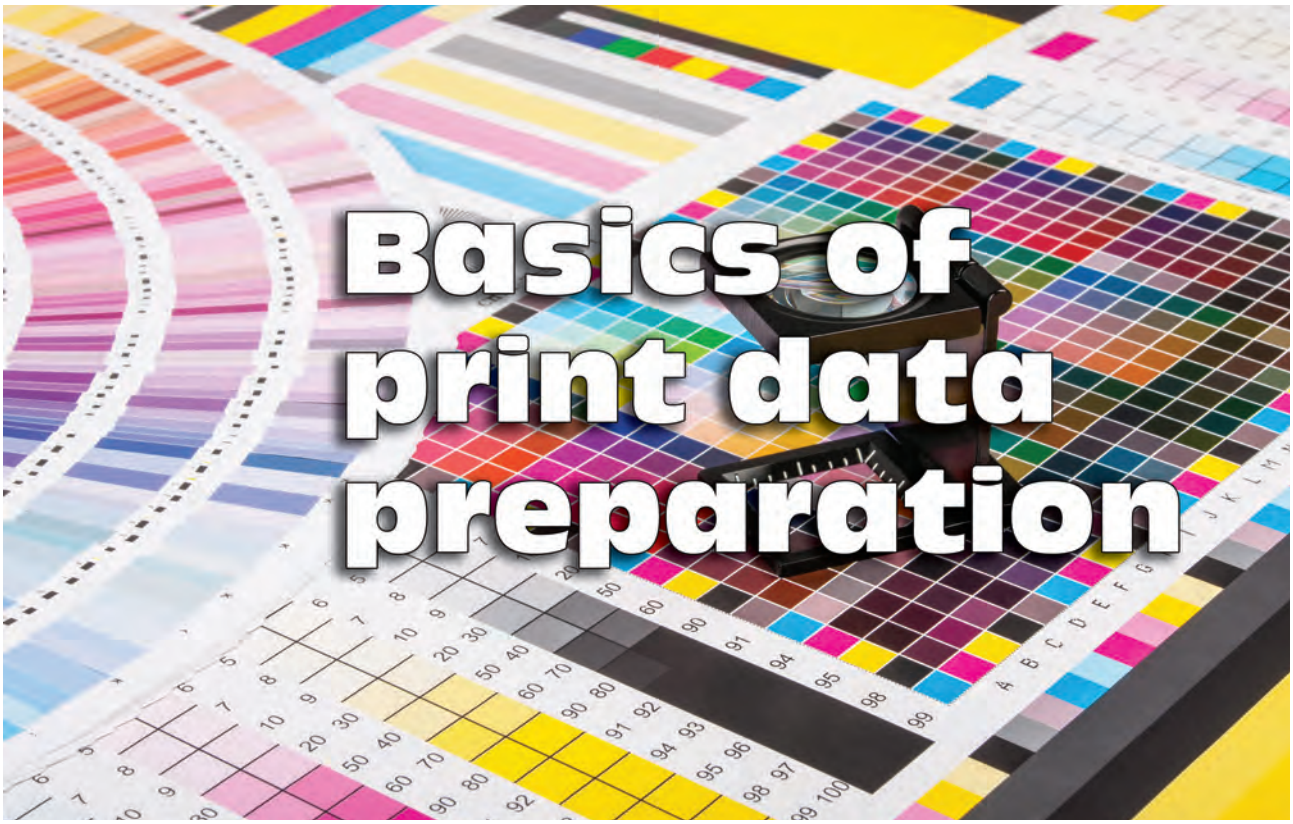
SAC: What might be the benefit for the companies:

- Availability of better and appropriately trained youth – improved productivity and easier introduction of newer technology
- Meeting the social responsibility by socio-economic empowerment of youth
- Stronger standing in the market – better reputation

Delhi Printers Club Felicitates DPA's New Team

On 29th June, 2019 the Printers Club felicitated the newly elected Office bearers of Delhi Printers' Association. Besides office bearers some former Presidents of DPA were also present. The President of DPA and host of the day Mr. Mahinder Budhiraja said he was proud to head the largest association of Printers and also happy to work with a highly experienced and committed team for the betterment of the printing fraternity. He hailed the role played by his predecessors by extending their guidance and active support from time to time.

On behalf of the former Presidents, Mr. Vijay Mohan congratulated the new office bearers of DPA and assured all their cooperation and support whenever needed.



Nowadays, the printing companies receive their print data from various sources. The traditional procedure in a printing house whereby the data are prepared in a uniform workflow and transferred to the printing machine direct ceased to be the only one long ago. Many self-employed media designers and advertising agencies can send their data to different printing houses. This is done nearly exclusively digitally, as, e.g., direct via web or server solutions.

By means of preflights, automatic / manual corrections or by clarifying specific questions with the customer, the printing houses can offer a certain degree of certainty in the event of data being incorrect. Everybody who is involved in print data preparation should, however, know a few basics and potential sources of faults.

Many parameters like the color profile, the PDF version or the corresponding job settings in the software may result in faults without that being noticed.

The basis of all image data that shall be printed and/or processed is the color space or, to be more precise, the embedded color profile. In prepress, many print data are in the RGB color space and must, in one way or another, be converted into the CMYK color space later-on. In order to standardize that, ICC profiles are used.

But what is an ICC profile?

For every ICC profile, the so-called characterization data are used, e.g., the FOGRA 51 published by FOGRA in Germany for 4-color offset printing on coated paper. These data comprise all characteristics or, to be more accurate, the output properties for specific output conditions, in this case offset printing with process inks on coated paper. These characterization data can then be used in order to generate different print profiles.

Diverse standard profiles can be downloaded from the “Downloads” section of the website of the ECI European Color Initiative (www.eci.org).

The following are just some examples for offset printing:

Name	Output on	Characterization data
ISOcoated_v2.icc	offset printing coated paper (old standard)	FOGRA 39
PSOcoated_v3.icc	offset printing coated paper (old standard)	FOGRA 51
ISOuncoated_v2.icc	offset printing uncoated paper (old standard)	FOGRA 47
PSOuncoated_v3.icc	offset printing uncoated paper (new standard)	FOGRA 51
WAN-IFRAnewspaper 26v5.icc	web offset news print paper	IFRA 26
eciCMYK.icc	universal exchange format	FOGRA 53
PSOcoated NPscreen ISO12647.icc	offset printing coated paper non-periodic screen	FOGRA 43

With the aid of these profiles, the user can optimally adjust the print data to the specific printing condition. He/she must be aware that the printed images will inevitably look different to those on the monitor depending on the output criterion. This cannot be prevented and must be communicated accordingly to the end customer.

And what exactly is changed?

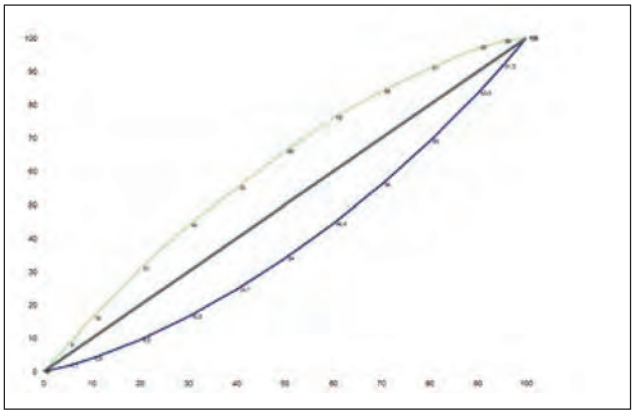
- The color space is converted into CMYK. As a result, the color scope of all reproducible colors is different (CMYK is smaller than RGB). The user and/or the end customer must know and understand that.
- Maximum ink application is adjusted accordingly. The theoretically possible maximum ink application of 400 % cannot be used without causing any difficulties, as, e.g., ink set-off. Therefore, ink application is, for instance, reduced to 300–340 % in offset printing and, not least for cost reasons, to even 220 % in newspaper printing. Here as well, substantial differences, e.g., as to the contrast in the image depths, may occur.
- The tonal value increases in the printing machine standardized in ISO 12647-2 are automatically embedded into the ICC profile and then offset in the RIP later-on. If these data are not available and/or the wrong profile is selected, there will be problems in the tonal value increase in printing.
- The type of black generation in the image is selected through the color profile automatically. There are different ways to expand the theoretical subtractive color mixing (CMY) in printing through the color black.

With Under Color Removal (UCR), the chromatic colors (CMY) are reduced in the image depths, and black is added instead. As a result, the contrast is slightly increased and maximum ink application is reduced.

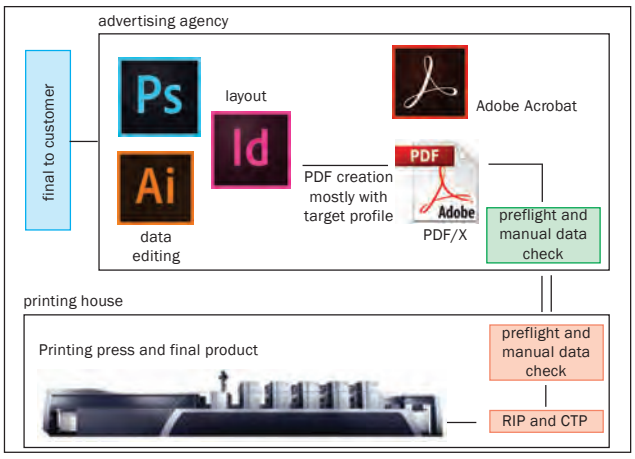
With Grey Component Replacement (GCR), the achromatic components of an image (equal portions of CMY generate grey) are replaced with black. With maximum GCR, maximum ink application can be reduced extremely, which thus saves ink and costs respectively. In addition, the image loses much contrast. This is above all done in the newsprint profiles. In sheetfed offset, in most cases a medium GCR is set.

- The Rendering Intent, i.e., the ink conversion mode from one color space to the next, is set. With the perceptual rendering intent, all colors outside and within the target color space are proportionally adjusted. With the colorimetric rendering intent, only the colors outside the target color space are moved to its edge.

These settings may, e.g., result in substantial changes of colors which can be reproduced in RGB but



The Tonal Value Increase (TVI) curve



The workflow in data preparation

cyan

magenta

yellow

black

black seperation without GCR

original picture CMYK

cannot be printed. The color impression, too, and/or the different color effects of two colors outside and inside the target color space may be different depending on the rendering intent.

These are just a few important changes which occur as a result of the conversion by means of an ICC profile. Due to the different technical basic principles of images on the monitor (RGB, additive color mixing) and the printed image (CMYK, subtractive color mixing), color and image differences occur inevitably. The user can, however, adjust his/her data optimally and consistently to the specific output condition by means of the ICC profile that is best suited for him/her.

Since some printing companies work with specifically prepared ICC profiles and dueto the lack of knowledge on the part of the end customers and/or due to the fact that prepress staff is sometimes unskilled, another approach now prevails above all in large online printing companies. A standardized ICC profile, mostly ISOcoated_v2.icc, is taken as given, and then the printing company converts it into the correct target profile in its own workflow. In this case, however, losses of color may occur due to the multiple conversion. Here as well it can be seen that many users feel familiar with the widely used ISOcoated_v2.icc and have difficulties in accepting other and/or new color profiles like the PSOcoated_v3.

In order to ensure a certain degree of quality, the print data producer should, therefore, not only rely on mechanisms from third parties, but rather pay attention to the above-mentioned topics himself.

Now that some problems arising in connection with the use of color profiles have been explained, possible faults in PDF preparations will be dealt with in more details in Part - 2 of this topic in the next issue.

Courtesy: PrintPromotion

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DELHI printer

email: info@sumipublications.com

Viren Chhabra Print Leadership Award

Entries now open for 2019

The VCPLA Award has been established in the memory of Viren Chhabra, the most loved mentor figure of India's Print industry, who went far beyond standard obligations to become a significant force in shaping the business of printed communications. During his active years he has been universally acclaimed within the printing fraternity as the 'Ambassador of Indian Printers to the World'.

'Viren Chhabra Print Leadership Award' is recognized throughout the graphic arts industry as the highest awarded to an individual in our business.

The award recipient will be selected by a panel of industry leaders and honored before hundreds of peers at Printing Industries of India during PAMEX at the time of NAEP Awards to be held on 8th January, 2020 at Mumbai. Nominating an individual provides an opportunity to honor someone you believe has made a major, long-term contribution to and has had a significant impact on our industry.

Eligibility Requirements

A nominee for the VCPLA must:

- Be widely recognized as having made a major impact on the graphic arts industry
- Have a record of participating in both local and national professional activities
- Have been active in the industry over a period of time and involved in many facets of the graphic arts industry
- The person shall be a wizard in printing and would have achieved something exceptional during his work span

The nominee is not required to be a member of AIFMP or any affiliate association, is not limited by age, sex, race, or geographic location, and may be either living or deceased. The ongoing and Immediate Past-President of AIFMP and any member or relative of Viren Chhabra's family will not be eligible for Viren Chhabra Print Leadership Award.

The Award will carry a Citation, Shawl, Memento and a cheque of Rs. One lakh together with the bio-data & photo of Viren Chhabra.

How to Nominate Someone

Self-nomination is not permitted. Only affiliates, reputable institutions / individuals from the printing industry can make the nominations. To nominate an individual, please complete the nomination form and enclose a cover letter that briefly introduces the nominee. Please include the following information about the nominee:

- Your reasons for nominating this individual
- Dates of accomplishments; approximate dates are acceptable
- The industry organizations in which the nominee has been active (Give position titles held with approximate dates for each organization)
- Organizations outside of the graphic arts industry in which the nominee has been or is currently active
- Three industry leaders, with their phone numbers, whom we may contact in reference to the accomplishments of the nominee
- Additional supporting information, such as letters of support, a formal biographical description, or a resume for the candidate are not required but are welcome.

Submit all required and supplemental material to:
All India Federation of Master Printers
605 Madhuban,
55, Nehru Place,
New Delhi - 110 019
Ph : 011-26451742 / 43, 41651742
Email : fopaid11@gmail.com

Heidelberg Acquires Software Start-up Crispy Mountain

As part of its digital transformation, Heidelberger Druckmaschinen AG is systematically expanding its digital business models. As part of this strategy, the company has now acquired software start-up Crispy Mountain GmbH of Mainz, Germany, which offers Keyline, a cloud-based management platform for print businesses.

The aim is to work with Crispy Mountain to expand the Heidelberg "HEI.OS" platform as a new industry platform for the printing industry. Among other things, printing companies will be able to obtain a large number of applications from an App Store. By connecting the existing Heidelberg software solutions around Prinect, the Heidelberg ID and the Heidelberg Assistant, the number of customers is set to grow rapidly.

The platform is to be open to all manufacturers in the printing industry. This is intended to give print shops easier access to comprehensive services at the lowest possible administrative burden. Third-party suppliers will be able to create tailor-made offers for printing companies via the platform.

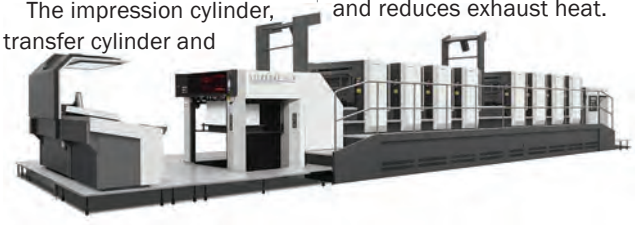
"For Heidelberg, the acquisition of Crispy Mountain is a further step in the rapid expansion of cloud based digital applications that are billed on a usage basis," said Prof. Dr. Ulrich Hermann, member of the Management Board of Lifecycle Solutions and chief digital officer at Heidelberg. "With Crispy Mountain's qualified team and innovative solutions, we are accelerating our developments around our new industry platform HEI.OS."

Keyline has already been launched on the market as a future-oriented management information system (MIS) for the printing industry, designed exclusively for operation in the cloud and for further development towards ecosystems. Using web-based and mobile technologies, the application depicts all stages of the value chain of digital and offset print businesses. This enables printing companies to calculate and produce significantly faster and more reliably, while reducing costs and minimizing errors. The application is now to be expanded with all necessary functions for the three market segments Commercial, Label and Packaging.

Komori Adds New Lithrone GX40P Perfector Sheetfed Press

Komori Corporation announced it has added the new Lithrone GX40 perfector (GX40P) to its portfolio of Lithrone 40-inch sheetfed presses. Komori's Lithrone GX40P offers the ability to handle double-sided, one-pass and straight multi-color printing. The GX40P takes this innovation one step further with Komori's unique three double-sized cylinder perfecting mechanism that guarantees high productivity and profitability.

The impression cylinder, transfer cylinder and perfecting cylinder are each double-sized to avoid stress on the paper. Simplified and highly rigid, use of the new perfecting mechanism ensures high-speed, stable two-sided printing at speeds of 18,000 sheets per hour (sph) displaying excellent heavy stock compatibility with both single- and double-sided printing. Additionally, the GX40P delivers environmentally- and workplace-friendly printing that saves energy and space and reduces exhaust heat.



Mark Andy renews partnership with Konica Minolta

Mark Andy Inc. has announced it has renewed its joint agreement with strategic partner Konica Minolta Business Solutions Inc.

Partners since 2016, Mark Andy and Konica Minolta have delivered a new family of digital label presses that enable customers to produce high quality, cost effective, digital solutions to the market. The OEMs first foray into partnership began with the Digital One hybrid press, which now has 100 installed units in production.

"Konica Minolta is honored to partner with Mark Andy, the global leader of label printing technology," said Bill Troxil, Senior Vice President, Strategic Business Development, Konica Minolta. "We look forward to expanding our relationship to equip Mark Andy with the technology to remain and grow as the industry leader in the flexographic and digital label market space."

"Together with Konica Minolta, Mark Andy is proud to provide the world's number one placed digital press in this fast growing segment of the market," said PJ Desai, Chairman and CEO, Mark Andy Inc. "Mark Andy is excited to continue our partnership and develop new solutions that enable converter success and make digital technologies more accessible."

"What Next?" - Kodak organises Flexo Forums

Miraclon, the new independent home of Kodak Flexcel Solutions, is only a few weeks old, but the company is moving quickly with its strategy for continuing to drive innovation in the flexo package printing sector.

Customers, industry influencers, channel partners and Miraclon team members from around the world are meeting at a series of Flexo Forums in the Americas, Europe and Asia to ask, "What's Next?' and focus on the Future of Flexo. With an agenda that covers topics ranging from sustainability requirements to print production efficiency and automation, and the technical innovations that will continue to drive the transformation of flexo into a modern, standardized manufacturing process, the three-day events are designed to harness the views of the full packaging value chain and facilitate ways to work more closely together to achieve a common goal.

The Forums held in the Dominican Republic and Istanbul brought together winners of the inaugural Kodak Global Flexo Innovation Awards. Representatives of the companies responsible for the twelve winning entries, a blend of prepress specialists, printer-converters and consumer goods print buyers, received their coveted awards in a gala celebration and shared their unique stories in a series of interviews and panel discussions that focused on the value their innovations are bringing to print production operations and brand clients alike. With diverse areas of market focus from flexibles to carton and corrugated box production the innovators truly embody the theme of transformation. All winning entries were printed with Kodak Flexcel NX Plates.

"Miraclon may be a new name," says Miraclon CEO Chris Payne, "but we are already a force to be reckoned with. We have a decade of achievement to build on and a global footprint, and most importantly, a forward-thinking team of more than 300 people that are focused on, and passionate about, flexo. The 2008 introduction of the KODAK FLEXCEL NX System has helped to revolutionize flexo and ignited a constant stream of innovation since then from our R&D teams, our customers and our industry partners that has effectively created a brand-new industry in which flexo is a genuine alternative to offset and gravure. Underpinned by our KODAK FLEXCEL technology, today's most capable flexo production offers an unrivalled combination of quality, consistency and printability that more and more brands want in their supply chains – and I'm excited that, collectively, we are not standing still. There is so much more that the flexo process can do and we're honoured to lead the charge."

DPA's website

Delhi Printers Association launched its revamped website recently. Please explore the updated website. We would be grateful for any feedback.

Explore at: *www.delhiprintersassociation.org*

FOR SALE

Solna 425
4-colour, 1983
18"x25"

•

Planeta PO-1
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Ultra MAN
Single Colour,
30"x40"

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Ichida
Section Sewing
Machine

•

Polygraph Original Perfecta
Guillotine - 42"

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Berkey Technical
Xenon Light Source
(Unused)

•

Platemaking equipment

•

All in good running condition

•

Heidelberg Cylinder Spare Parts

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vpsp.hr@gmail.com
Tel: 011-47023520

Color-Logic marks 10 years of Process Metallic Color System

Color-Logic is marking a decade since the introduction of its Process Metallic Color System.

Color-Logic develops color communication systems and software tool sets for a variety of special effect printing applications. Color-Logic provides brand owners, product managers, corporations, and their advertising agencies the ability to differentiate themselves and their clients with a simple print production process that yields dramatic results. Color-Logic decorative effects utilize the existing workflows of printers and designers, yielding dynamic results without the use of special equipment.

Process Metallic Color System was introduced in 2009 and is claimed as the only graphic design software package that simplifies and standardizes metallic print production, creating foil printing using white ink/toner or silver ink/toner.

A key feature is the linking of printers with graphic designers and brand managers, making them partners in the successful execution of metallic designs.

Color-Logic was developed by the company's chief technology officer, Richard Ainge, and Mark Geeves, its director of sales and marketing, both of whom remain active in the company. Today, Color-Logic is supported by virtually every digital printing press manufacturer offering white ink/toner or silver ink/toner. Color-Logic has consistently worked with press, substrate, and coating technology partners around the world and has evolved with process and equipment technologies.

A decade on, Color-Logic has installations in more than 50 countries, and in the past three years some 90 percent of Color-Logic sales have occurred outside the US. In 2019, sales to printers with digital presses are expected for the first time to exceed those to conventional printers. Labels and packaging are particularly strong markets for the technology.

Toray Graphics introduces new waterless offset plate

Toray Graphics, a manufacturer of waterless offset plate technology based in the Czech Republic, has introduced a new waterless offset printing plate, Imprima LJ.

Toray described the new water-washable plate as having high quality and durability. Its printing resolution is up to 175 LPI.

The thermal negative CTP printing plate uses a standard imaging wavelength of 830 nanometers. It is suitable for label production but can also be used for a wide range of other applications, including CD/DVDs, loyalty cards, metal decoration and for printing on non-absorbent substrates.

These plates are also suited to printers using UV curable inks as well as for sheet-fed and on web presses that require production quality such as density stability during the print run,' said the company in a statement. 'Its high resistance to chemicals and UV inks makes it an extremely durable plate. It also offers excellent screening at 1-99 percent with 36 micron FM or hybrid screening, and 2-98 percent with AM screening at 175 LPI.'

Since it is a water-washable plate, it requires no chemicals in the developing process, and can be processed in most available waterless processors. It also does not require post-baking. This makes it easy to insert into any offset workflow and results in low-cost processing.

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DELHI printer

email: info@sumipublications.com

Electronics For Imaging completes acquisition by an Affiliate of Siris Capital Group, LLC

Electronics For Imaging, Inc. announced the completion of its previously announced acquisition by an affiliate of Siris for approximately $1.7 billion.

In connection with the closing of the transaction, the Company, which will continue to operate as Electronics For Imaging (EFI), will be wholly owned by an affiliate of Siris, and EFI's common shares will be delisted from the NASDAQ exchange.

"This acquisition marks a new, exciting path forward in EFI's 30-year history as a digital imaging technology leader," said EFI CEO, Bill Muir. "With Siris' partnership, we will look to create new opportunities for our customers, partners, and EFI employees worldwide. We are looking forward to working with Siris to write the next chapter of innovation across our growing portfolio of solutions."

Jeff Jacobson, Siris Executive Partner and EFI Executive Chairman, added, "EFI's portfolio of best-in-class solutions presents an exciting opportunity to drive further growth in high-quality inkjet and integrated, digital workflows. I look forward to working closely with management and know Siris is committed to providing the guidance and support needed to help EFI continue accelerating the transformation of industries where colorful images matter."

The transaction, which was initially announced on April 15, 2019, was approved in a shareholder vote recently in which 72.2% of EFI's outstanding shares and 99.7% of voted shares were voted in favor of the transaction.

Event Watch

Printex 19
Sydney's print and design show
13-16 August
Sydney, Australia
Contact:
Visual Connections Pty Ltd
4/123 Midson Road
Epping NSW 2121
Australia
Tel.: +61 2 9868 1577
Fax: +61 2 9869 0554
Email:sales@visualconnections.org.au
Website: www.printex.net.au/

Fespa Mexico 2019
A dedicated exhibition for the wide format and textile printing sectors
22-24 August
Mexico City, Mexico
Contact:
FESPA
Holmbury House,
Dorking Business Park, Station Road,
Dorking, Surrey RH4 1HJ
Tel: +44 1737 240788
Fax: +44 1737 233734
Email: info@fespa.com
Website: https://mexico.fespa.com/en/welcome

PackPlus 2019
The total packaging, processing and supply chain event
28-31 August
New Delhi, India
Contact:
Next Events (P) Ltd.
(A member of Reed Exhibitions & a part of RELX Group)
Unit-03/04/05, First Floor,
Southern Park, D2 Saket,
New Delhi-110017
Tel.: +91 11 6605 6300
Email:prateek.kaushik@reedexpo.co.uk
Website: www.packplus.in/

India Corr Expo 2019
Exhibition & conference on corrugated case manufacturers industry & flexography
5-7 September
Greater Noida, India
Contact:
Reed Exhibitions India (Head Office)
Unit - 03, 04, 05 First Floor
Southern Park, D2 Saket
New Delhi 110017, India
Tel: +91 9810737270
Email:shradha.malik@reedmanch.com
Website: www.indiacorrexpo.com/

Marketplace

Yatinder Kumar
(M) +91-9891798919
+91-9555088895
www.kumargraphics.com
E-mail: kumargraphics1@gmail.com
KUMAR Graphics
Sale-Purchase of Offset Printing, Post Press & Allied Machines
Spare Parts ⋆ Reconditioning ⋆ Repairing ⋆ Job Works
HEIDELBERG KBA MAN ROLAND ADAST SOLNA MITSUBISHI POLAR PERFECTA HAMADA RYOBI
W/Off.: Plot No. 244, Nangli Sakrawati Industrial Area, Near Shri Ram Mandir, Najafgarh, New Delhi-110 043 (INDIA)

digaf digital imaging graphic arts forum
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, 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.

Become a member today
www.digaf.org

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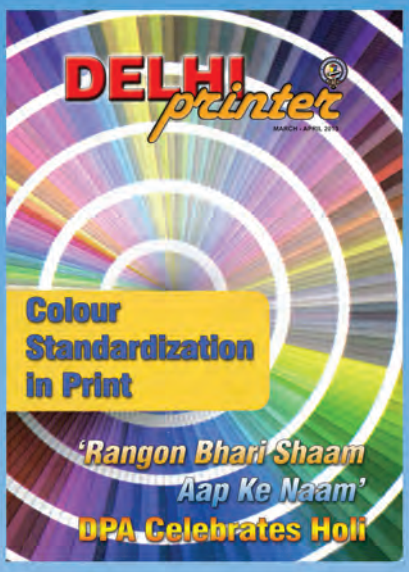

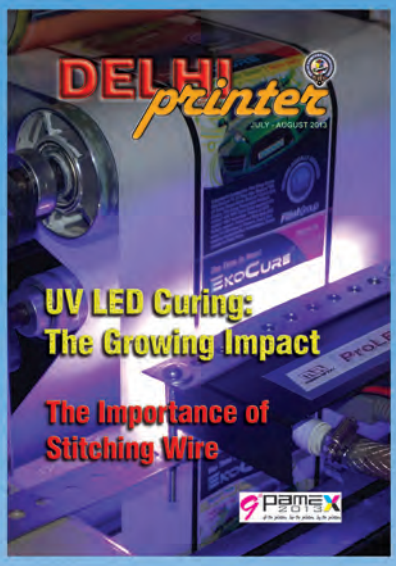

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Target Readership

- Key financial decision makers within the industry.
- Commercial printers, label printers, packaging printers, screen printers, advertising agencies, repro houses, publishers
- Production managers within publishers needing a basic understanding of the capabilities of print
- Commercial print buyers, Government agencies.

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- ☐ Printer - Offset
- ☐ Printer - Screen
- ☐ Printer - Digital
- ☐ Quick Printer
- ☐ Newspaper Organisation
- ☐ Publisher
- ☐ Packaging Unit
- ☐ Paper Manufacture
- ☐ Equipment Manufacture
- ☐ Software Developer
- ☐ Consumable Supplier
- ☐ Dealer/Agent
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