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NAEP

MARK OF INDIAN PRINT EXCELLENCE

The latest edition of AIFMP's National Awards for Excellence in Printing have once again proven that India's print industry is dynamic, vibrant, and creative

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DELIVERING CUSTOMER EXPERIENCE, PLATE BY PLATE

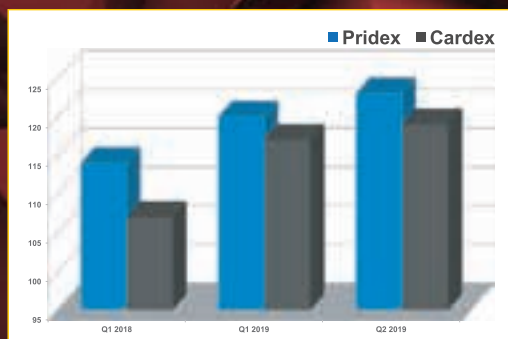
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IT'S MAGIC WITH PAPER

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PRIDEX & CARDEX FOR YOU

Print Bulletin urges members to approach clients to discuss Pridex and Cardex trends, if not done already. Know more about the trend on page 95.

THE LEGACY CONTINUES




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FROM THE PRESIDENTS' DESK

Dear Members

January 2019

Happy New Year to all the members and the readers of Print Bulletin. This month we shall explore two significant annual events: Print Summit or PS and MMS' Life Time Achievement Awards (LTA).

The date on which we publish this issue aka January 24 is the day on which PS will run its thirteenth edition at NCPA's Tata Theatre in Mumbai.

The 2019 edition of PS is being powered with support from three coveted print behemoths: Canon, Koenig & Bauer and ITC-PSPD. They are accompanied by PS' premium print majors, who along with the loyal tribe of delegates come to form the bed rock of support to this mega event: Toyo Ink, HuberGroup, Srinivas Papers, TechNova Imaging Systems, Jani Sales, AutoPrint Machinery, Ample Graphics (Imaging Systems), Pratham Technologies, Fujifilm Sericol India Pvt Ltd, Impel-Welbound and at this 2019 show we have the pleasure of two brand new partners Vinsak aka Creed Engineers and ICP Industrial from the US.

PS is being conducted annually since 2005 by BMPA as a celebration on the occasion of Printers' Day. Over the years the organisers have consciously steered the PS away from being print-centric to a more holistic event, with an eclectic choice of entertainment. The show-shapers : B.K. (Sister) Shivani, Don Newberry, Inder Kumar Arora, Vivek Krishnani, Mehul Shah, Sunanada Jayaseelan, Dr. Arokiaswamy Velumani, Ankit Chona, Pawan Poddar, Animesh Kejriwal, Pawan Bindal, Henrik Mueller-Hansen, with the Thumri Kathak imprints set to the theme The Song of the Courtesan, will make the printers' day celebration vibrant and dynamic.

On March 2, 2019, MMS Lifetime Achievement Award 2019 will be conferred upon founder owner of Line O Matic, Uday C. Patel, at The Sahara Star, Mumbai. A true visionary and dynamic entrepreneur, Mr Patel has made the entire country proud by being the pioneer in the exercise notebook-making machinery and paper converting machinery segment.

The MMS Power Lunch Round Table Meeting in the morning session will be followed by the Lifetime Achievement Award ceremony in the evening. The MMS Round Table will involve industry-leaders from different verticals for a 360 degree in-depth discussion. The Keynote speaker for the MMS-LTA ceremony will be Padma Shri recipient Dr Deepak Pathak, the Inventor of the Aakash Tablet.

We look forward to welcoming you all at MMS LTA with Team MMS.

Nitin N. Shah

Tushar Dhote

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These technology-researchers are ready to turn a new leaf in the life of a paper.

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Iqbal Kherodawala of Printline Reproductions holds a mirror up to us with his to-the-fact, yet hilarious articles about our 'typically Indian' habits.



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Celebrating innovation at MMS-LTA

Uday C. Patel, the Founder Owner of Line O Matic, is the recipient of MMS-LTA 2019 for his entrepreneurship and innovation.

On March 2, 2019, the prestigious MMS Lifetime Achievement Award (LTA) will be conferred upon Uday C. Patel. Founder Owner of Line O Matic, he is known in the industry as a true visionary and dynamic entrepreneur, who has made India proud. Living and working from Ahmedabad, Gujarat, Mr Patel is a rare breed of successful Indian industrialists among the machinery manufacturing who have achieved success not only in India but across the globe.

An inspiring man with a vision

Don't miss attending the MMS-LTA 2019 if you wish to listen to Mr Patel unfold his journey and share a few secrets of his success in his award speech. Mr Patel is a man of few words and immense power to turn many dreams into a reality.

Drawing inspiration from his first ever Drupa visit in 1986, Mr Patel wondered, "if the world can work on such automated platforms, why not me?" This dream

came to reality when in 1991 Line O Matic launched the first roll-to-sheet machine. With its 80 m/min speed, the machine eased the life of many of Mr Patel's clients and their operators who had to cut sheets from reams of paper.

One of the unique features of Line O Matic that underlines Mr Patel's commitment to people is career progression at his company. "We follow a unique career progression policy in Line O Matic. Educational qualification doesn't matter here; if you do a good job and show exceptional skill through self-motivation, you will climb up the ladder," said Mr Patel in an interview with Print Bulletin in April 2017.



PRIDEX AND CARDEX TO EMPOWER YOUR PRICE-NEGOTIATIONS

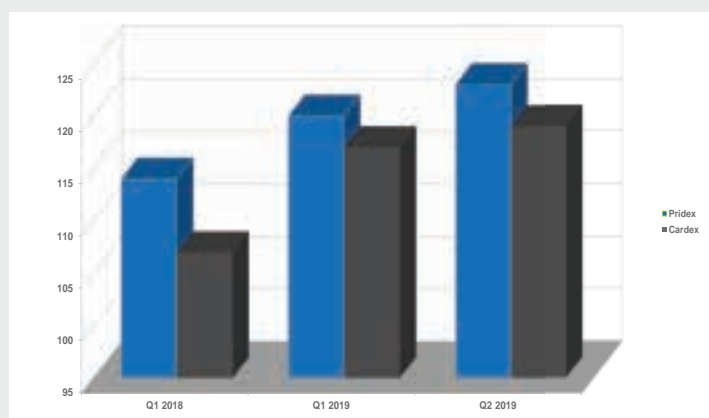
Cardex and Pridex are updated every quarter. Print Bulletin updates you on the trend each quarter comparing the data with the previous quarter. The twin Indices are published as a legitimate means to demonstrate and justify rising costs faced by our industry for a past few years. Leverage the advantages evolving from a reliable and scientific tool by CRISIL.

What are the latest trends?

CRISIL has published the Q2 (FY19) results for the indices CARDEX and PRIDEX. Values of both indices are up. CARDEX stands at 119 while PRIDEX is up to 123 – representing a quarter on quarter increase across all costs by 2% in Packaging (folding cartons) vertical and 3% for Commercial Printing respectively. Since FY17, CARDEX has moved up by 14.5% and PRIDEX by 7.9%.

What makes Cardex or Pridex a robust tool?

"The Indices team identified and listed different costs that the industry incurs – from the supply of raw material to finance, human resource and transport. The core team identified these costs incurred by the industry; however, the next crucial and essential step was to factor in their weightage for the index," Member of the Managing Committee of BMPA and the thought-leader behind the CRISIL-AIFMP indices Sanjay Patel details the process of arriving at the data-trends presented by Cardex and Pridex, "this was when the two distinct input-cost-based indices were envisioned: Pridex for the commercial printing sector and Cardex for the packaging sector."



"Then came the arduous task of identifying and coordinating with the sources – the manufacturers and suppliers of the input materials, paper manufacturing companies, ink manufacturers, for example. The team chose sources companies that have a pan-India presence because the indices are uniform for across India; these input sources periodically communicate the cost of their supplies to determine the basis for the index for that particular input-resource," adds Mr Patel.

The detailed methodology used at computing the Cardex and Pridex is readily available at <https://tinyurl.com/yaqrr65m>. FY2013-2014 is the base year for the twin indices with index value at 100.

Where is the indices data?

You can access the Pridex and Cardex by following the link: <https://tinyurl.com/yayqnp2k> OR scan the QR code below and bookmark it on your smartphone's Internet-browser for quick access.



Drawing inspiration from his first ever Drupa visit in 1986, Uday C. Patel wondered, "if the world can work on such automated platforms, why not me?"



Dr Deepak Bhaskar Phatak, a Padma Shri recipient, is known for pioneering the smart-card revolution in India for financial transactions.



CA Shriniwas Yeshwant Joshi will present his views and outlook for Indian and world economy.



CA Chandrashekhar Vaze will talk about the 'Management Principles from Ramayana'.

Riding on such unique insights, the journey that started with roll-to-sheet had reached roll-to-complete notebook by 2002, Line O Matic has established itself in a decisive leadership position in India. Moreover, it is the most preferred and the trusted brand for exercise book-making machinery in the world with presence in over 60 countries including the Americas, Europe, Africa, Middle East, Far East, and Commonwealth Independent Countries with over 3,000 installations.

Speakers to share their success mantra

All MMS events are focused on knowledge sharing; LTA is known for two features: MMS Round Table that precedes the award ceremony and the speaker talks at the award ceremony.

Keynote speaker for MMS-LTA is Dr Deepak Bhaskar Phatak, a Padma Shri recipient, is known for pioneering the smart-card revolution in India for financial transactions. Alumni of IIT-Bombay, he has headed several academic units and was the first Dean of Resources of the Institute. He set up the Affordable Solutions Lab (ASL) at IIT-B in 2000. He is regarded as the pioneer of

Smart Card usage for financial transactions in India in 1999; he started an IT incubator to foster innovation through start-up companies. In March 2012, he was given the responsibility to execute the prestigious Aakash tablet project. He has been an Open Source evangelist and has popularised the use of open source knowledge content and software. An ardent advocate of life-long learning, he currently works on Learner-Centric MOOCs (Massive Open Online Courses).

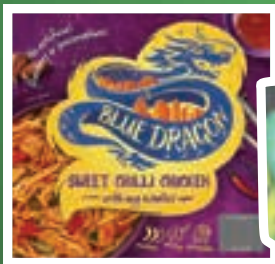
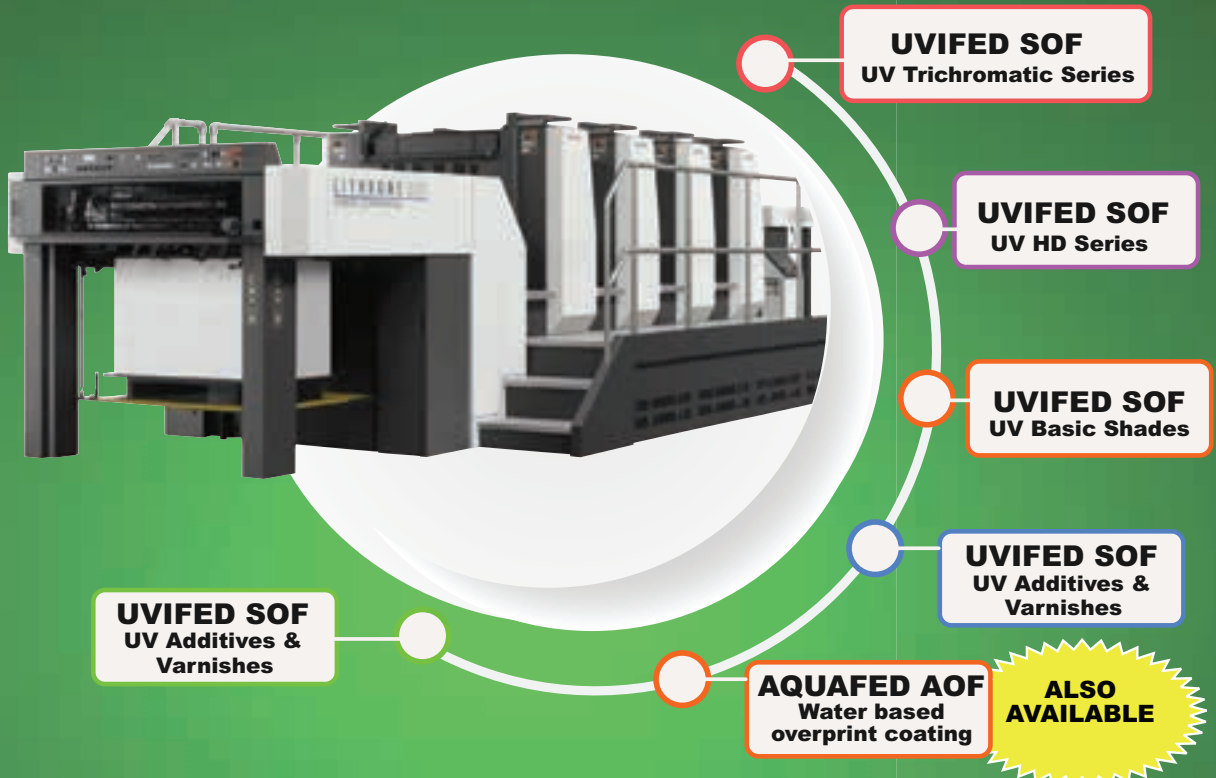
CA Shriniwas Yeshwant Joshi, a partner at CVK and Associates and an accomplished Chartered Accountant, will present his views and outlook for Indian and world economy at the MMS-LTA ceremony. Chandrashekhar N. Vaze, also a partner at CVK and accomplished CA, he has a keen interest in literature. CA Vaze will talk about the 'Management Principles from Ramayana'.

MMS-LTA and MMS Round Table will be hosted at Sahara Star, Mumbai, on March 2, 2019. To register for the event, please contact Manohar Ahuja, Executive Secretary at 022 2364 2924 or call Deepak Wadekar, Assistant Secretary, on 022 2363 8782. You can also write an email to ex.sec@mumbaimudraksangh.org.

“We follow a unique career progression policy in Line O Matic. Educational qualification doesn't matter here; if you do a good job and show exceptional skill through self-motivation, you will climb up the ladder.”

Uday C. Patel

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NAEP: mark of Indian print excellence

The latest edition of AIFMP's National Awards for Excellence in Printing have once again proven that India's print industry is dynamic, vibrant, and creative.



The 13th NAEP Awards Ceremony commenced with Tamil Thai Valthu, the state song of Tamil Nadu.

Themed around 'iconic performance outclassed', the 13th edition of National Awards for Excellence in Printing (NAEP), AIFMP's flagship and most awaited annual events, was hosted by Madurai District Offsert Printers Association (MADOPA) on December 22 last year, at Courtyard by Marriott, Madurai.

Applauding the best of Indian print

Constituted in 1999, the AIFMP-NAEP encourage and celebrate the quest for the best works from across many printing companies in India. Since, NAEP has taken precedence in recognising the best works from the young and upcoming printers, paving way to their success in the industry. While creating a platform for innovators to demonstrate their expertise in producing the best print-job with the best of use technology, techniques, processes, to work towards delivering better aesthetics, functionality, purpose, or value, NAEP has been inspiring the printers across India to fearlessly try raw ideas.

Challenging the jury with nothing but the best

Through the journey of almost two decades, India's print businesses have recognised the importance and the ability of NAEP in putting them on the national map, solely based on the best quality of work. Each year, NAEP has seen growing participation with ever more number of entries and the quality of work getting better than ever. For this

year, the awards received record-breaking 1,614 entries from 171 print companies from all over India, competing in over 100 categories.

The panel of three eminent print experts comprising Prof. Dr Rajendrakumar Anayath and Nita Borkar from Delhi, and Apsaran Raja from Chennai worked in tandem to identify the best print jobs in various categories to pick the winners. It took them two full days to scrutinise all the excellent entries, challenging the expertise of the panel members. Around 400 entries qualified for the nominations from among the 1,614.

True to the them of the 13th NAEP, all the entries submitted by the printers were trying to break the barriers in ever aspect of print, be it graphic arts, imaging, or the conventional print sector. And, yet, the jury had to select stand-out entries for over 100 categories that combined innovation and practical relevance, and aesthetics and excellence in production, and many such aspects of quality print production.

At the end of the process, besides the 13 special awards a total of 91 Gold and 145 Silver medals were won by the printers for their excellent jobs.

Iconic award ceremony in the temple town

The 13th NAEP Awards Ceremony commenced with Tamil Thai Valthu, the state song of Tamil Nadu. Manonmaniam



Chief Guest for the ceremony, Minister of Cooperation, Government of Tamil Nadu Sellur K. Raju and Guest of Honour R. Chokalingam, Patron of MADOPA graced the occasion



(L-R) Ravindra Joshi, President-AIFMP, Chief Guest for the ceremony, Minister of Cooperation, Government of Tamil Nadu Sellur K. Raju and AMSG Ashokan, Chairperson-NAE

Sundaram Pillai and composed by M.S. Viswanathan, the state song is generally performed at the beginning of the functions and end with the National Anthem.

Chief Guest for the ceremony, Minister of Cooperation, Government of Tamil Nadu Sellur K. Raju and Guest of Honour R. Chokalingam, Patron of MADOPA graced the occasion. Both appreciated the efforts by MADOPA and congratulated the local association for hosting the national level event in Madurai.

AIFMP President Ravindra Joshi, Chairperson of NAEP AMSG. Ashokan, AIFMP Office Bearers and all the past presidents of AIFMP marked their presence and were invited as a part of the award distribution team. The Awards Gallery showcasing the world-class award winning entries was the star attraction for the evening.

The Awards Ceremony was followed by gala dinner and Live DJ performance entertaining all the guests. Beaming faces of all those present in the hall was a testimony of successful hosting of the prestigious AIFMP event.

NAEP Award Winners

Printer	Gold	Silver	CoM
A&M Enterprises, Ahmedabad	1	1	0
Aditya Ragasri Printers and Publishers, Bangalore	1	2	4
Akruti, Pune	0	5	1
Akshara Offset, Trivandram	0	1	2
Alois Graphics, Kottayam	1	0	0
Anand Printers and Packers, Delhi	0	2	0
Anaswara Offset, Cochin	5	9	4
Anna Achagam, Gudiyatham	0	1	0
Antz Innovations, Trichy	0	0	1
Arun Art Printers, Jammu	1	0	0
Ashok Notebooks, Salem	0	0	1
Avantika Printers, New Delhi	1	1	2
Bala Offset Printers, Tiruvannamali	0	1	0
Bell Printers, Sivakasi	2	4	1
Bharati Digital Printers, Mayiladuthurai	0	1	1
Brilliant Printers, Bangalore	0	1	0
Classic Creators, Dindigul	0	0	1
Colour King Enterprises, Ernakulam	0	1	0
Creative Images, Nagpur	0	0	1
Dhote Offset Technokrafts, Mumbai	0	1	1
Divya Graphics, Madurai	1	1	0
Dina Digital, Chennai	1	0	0
Dot-n-Pixel, Delhi	0	1	1
G Print Shop, Chennai	0	1	0
Gujarat Offset, Ahmedabad	0	1	2



For this year, the awards received record-breaking 1,614 entries from 171 print companies from all over India, competing in over 100 categories. The Awards Gallery showcasing the world-class award winning entries was the star attraction for the evening.



Printer	Gold	Silver	CoM
Jak Prinetr, Mumbai	12	23	16
J.J. Offset Printers, Noida	1	0	1
K.R. Prints, Madurai	0	3	0
Kaliedo Graphics, Mumbai	1	0	0
Kanaga Printers, Madurai	1	0	0
Koral Printing Company, Cochin	0	1	0
Krishna Designer Printers, Jammu	0	0	2
Kumar Labels, Noida	1	3	0
Quality Offset Printers, New Delhi	0	1	1
Lipi International, Nagpur	0	1	0
Madhan Bags, Pondicherry	0	1	0
Madras Security Printer, Chennai	4	1	0
Malayala Manorama, Kottayam	1	0	0
Manali Cartons Industries, Chennai	2	1	1
Manipal Technologies, Manipal	2	2	0
Manipal Utility Packaging Solutions, Manipal	1	0	4
Minerva Print Shop, Salem	0	0	1
Modern Printers, Madurai	1	3	2
Monicka Techno Printers, Karur	0	0	1
Narayan Offset Works, Nagpur	0	1	2
Natchatra Printers, Madurai	0	1	0
National Enterprises, Mumbai	0	0	1
National Printing Press, Tirupur	1	1	2
Niyogi Offset, New Delhi	0	0	2
Om Foil Art, Mumbai	1	1	1
Om Foil Print, Mumbai	0	2	1
Orange Printers, Trivandrum	2	2	4
Param Packaging, Mumbai	1	4	2
Parameshwara Exports, Coimbatore	1	0	0
Penta Offset, Kottayam	3	5	1
Perfect Packaging, Mumbai	2	0	1
Popular Printing Works, Mayiladuthurai	0	1	0
Pragati Offset, Hyderabad	4	2	5
Pragati Pack India, Hyderabad	1	2	3
Pratheeksha Printers and Publishers, Kannur	0	0	1
Printman Associates, New Delhi	2	4	1
Print Solutions, Kottayam	0	0	1
Print Vision, Gujarat	2	0	5
PRP Printers, Pondicherry	1	0	0
Punjab Kesari Group, Jalandhar	0	0	1
Rahul Notebooks, Madurai	2	2	2



Besides the 13 special awards a total of 91 Gold and 145 Silver medals were won by the printers for their excellent jobs.



Dhote Offset Technokrafts, Mumbai, won one silver and one CoM.

Printer	Gold	Silver	CoM
Rainbow Printers, Kalyan	1	1	0
Rajasree Industrial Printers, Ernakulam	0	1	3
Rega Printers, Madurai	0	3	0
Replika Press, Sonipat	2	3	5
Ritomate International, New Delhi	0	1	0
Rythem Digital Press, Mayiladuthurai	0	0	1
S.R. Industries, Delhi	0	0	1
Satya Press, Jammu	0	0	1
Screen Art Printers, Mumbai	1	1	0
Security Print Solution, Howrah	0	1	2
Seljegat Printers, Sivakasi	1	1	1
Sethi Art Printers, Jammu	1	3	0
SFA Print Private Limited, Sivakasi	0	0	2
Shanlax Press, Madurai	1	0	3
Shanlax Publications, Madurai	0	1	2
Shree J. Printer, Pune	2	2	0
Siva Sakthi Computer Offset Printers, Vellore	0	0	1
Sona Enterprises, Salem	1	0	3
Southern Printing House, Kottayama	0	0	1
SPS Printers, Madurai	1	2	0
Sri Karpaga Products, Sivakasi	0	1	1
Srinivas Fine Arts, Attibeli	0	1	3
Srinivas Fine Arts, Sivakasi	2	1	4
Sterling Print House, Cochin	2	2	6
Sunmaathi Printing Zone, Vellor	0	0	1
Suri Graphix, Sivakasi	0	2	1
Synthesis Communication, Mumbai	1	1	2
The Cranials Printers, Ludhiana	3	2	0
The Nadar Press, Sivakasi	0	1	0
Thee Classic Printers, Madurai	1	2	0
Thirumala Tirupathi Printers, Madurai	1	0	2
Triace, Mumbai	0	0	1
Unicorn Screens, Madurai	1	2	2
United Multi Colour Printers, Pune	2	1	2
Velan Packaging, Pondicherry	0	0	1
Vignesh Offset, Chennai	1	1	1
Vipul Prints, Nagpur	0	1	0
Vishal Productions, Mumbai	1	2	1
Vivekanandha Offset, Tiruchengode	1	0	1
VRL Media Limited, Hubli	0	1	0
Vrushali Offset Works, Nagpur	0	1	1



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PAMEX to host WPCF meet and conference

Pamex, the International Exhibition on Printing and Allied Machinery Industries, will be organised in Mumbai from January 6 to 9, 2020 at Bombay Exhibition Centre, Mumbai. The Exhibition, organised by All India Federation of Master Printers (AIFMP) in association with Print-Packaging.com (P) Ltd., proudly announced that Pamex 2020 will host World Print and Communication Forum's (WPCF) board meeting and the 'Print Matters for the Future' conference, concurrently with the exhibition.

WPCF is a collaborative platform for the world's major transnational and national printing to work together to promote the development and prosperity of the global printing industry. WPCF also facilitates and encourages communication with other parts of the print value chain to further develop the print and communication market through international and cross-industry collaboration and knowledge-sharing.

The purpose of WPCF is three fold – to promote the development and prosperity of the printing, graphic arts, communication and allied industries in all regions of the world; to improve the management of these industries with a view to their continuing and increasing prosperity; and to provide a platform for exchange of information and cooperation between users and suppliers of technology and services and to jointly promote and develop other related activities.

The meeting, for the first time ever, will run concurrently with PAMEX 2020. Besides the Governing Council Meeting of AIFMP, the NAEP award ceremony will also be organized during the same period. To know more about Pamex 2020, visit www.pamex.in or write to shantanu@nextevents.in.



President, AIFMP Ravindra Joshi, Team member of WPCF and Prof. Kamal Chopra, Chairperson, PAMEX 2020.

With deepest sympathy and on a very sad note we inform our readers that Past President of MMS, Sudhakar Jawadekar passed away on earlier this month on January 9.

Sudhakar Jawadekar represented at the national and state level as the Governing Council member of AIFMP and at Maharashtra Mudran Parishad (MMP). During his tenure as President of MMS, Printers' Day was celebrated on a grand scale to mark the fifty glorious years of AIFMP, on May 18, 2003 at The Leela, Mumbai. The event was attended by more than 350 members of the print fraternity. In 2001, he was the Hosting President of the 47th Annual Conference of MMP.

Shri. Jawadekar was instrumental in negotiating with the Mumbai Kamgar Sangh and settling the issues amicably that were faced by small printing units in Mumbai.

A qualified chemist and a leather technologist, Shri. Jawadekar became a printer by mere coincidence. He started letterpress colour printing and converted to offset in 1988. His brainchild, Laxmi Art Printers Pvt. Ltd was fully equipped for pre-press and multi-colour printing confirming to high quality standards. He was a valuable and highly respected member of our fraternity and his loss is being felt already.



Sudhakar Jawadekar
Past President, MMS





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Heidelberg Innovation Centre

The latest reports by Iggesund and Tetra Pak are pointing at changing customer-behaviour and shifting market preferences; these changes will define the printed products and packaging of today and tomorrow.

Heidelberger Druckmaschinen AG (Heidelberg) is setting new competitive standards in the global printing industry by opening its new Innovation centre (IVC) at the Wiesloch-Walldorf headquarters in Baden-Württemberg, Germany. In addition to securing numerous jobs, the new IVC also substantiates a recent analysis published in October by the World Economic Forum (WEF) in Geneva, which concluded that the innovative capability of Germany is superior to any other country in the world,

Over 1,000 staff will immediately start working on the digital future of Heidelberg and the printing industry at the new centre. Newspaper and magazine printing is in decline due to structural factors, but that is not the core business of Heidelberg. Due primarily to packaging and label printing, the industry as a whole is growing and generates annual sales exceeding 400 billion euros. Heidelberg is also increasingly unlocking new market segments outside the graphic arts industry, such as electric mobility.

By investing some 50 million euros in the new IVC, Heidelberg is aiming to gain a clear edge over its competitors around the globe in the future. It has also helped Germany overtake Switzerland as Europe's most competitive national economy and become the third most competitive country in the world.

"Digitisation in particular requires totally new forms of collaboration. With its Innovation centre, Heidelberger Druckmaschinen AG is responding to the challenges posed by a transformation process that is currently sweeping through every sector. Here

including the United States. Only by investing over 100 million euros in research and development every year has Heidelberg succeeded in emerging stronger from years of structural change in the industry in these times of digital transformation.

in Baden-Württemberg, where cutting-edge technology, precision, and absolute reliability are an integral part of our history and culture, the Heidelberg IVC is a shining example of how digital transformation can succeed. By systematically networking various working levels, the centre is setting new standards in communication and agility," emphasised Minister President Winfried Kretschmann.

Combining traditional engineering with cutting-edge technologies

"Germany's mechanical engineering prowess is highly rated worldwide and we are still the number one in this field. The purpose of our new think tank is to ensure we continue to build on our technology leadership in the future – and that includes the digitisation of the print media industry," said Heidelberg CEO Rainer Hundsdoerfer.

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IVC offers staff a new working environment

The new IVC also marks the beginning of a new era for staff in terms of their working environment. It uses ultra-modern, innovative practices, with teamwork, communication, work at different locations, and a combination of personal workstations and communication



Open for Innovation" – some 200 guests watch Baden-Württemberg's Minister President Winfried Kretschmann and Heidelberg CEO Rainer



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Rollin





Globally unique development environment

The project to convert a former production hall where around 500 staff worked into an innovation centre for over 1,000 employees is a world first. A total gross area of around 40,000 sq. m at the Wiesloch-Walldorf site now includes a state-of-the-art office area totalling some 26,000 sq. m and approximately 14,000 sq. m for laboratories and testing. The office area comprises 13 sections, each accommodating 80 staff, and a space of around 3,700 sq. m has been set aside exclusively for the 43 laboratories.



zones ensuring a pleasant, creative atmosphere. "The IVC is now 'Open for Innovation' and marks the start of a new approach to work at Heidelberg," explains Head of Research and Development Frank Kropp. From developing an idea, securing a patent, and creating a digital twin all the way through to approving individual components and the product as a whole, the entire development process takes place within the same four walls.

The building concept aims to make communication/teamwork between employees as easy as possible. In addition to personal workstations, for example, there are also office environments without any fixed assignment, relaxed seating areas, and even options for working outdoors to encourage teamwork. What's more, digital reviews are possible thanks to interactive monitors. A bistro, various break areas, and kitchens for making coffee are available to employees and guests alike. There are also numerous zones where people can take themselves off to work in peace and quiet.



Corrigendum

Please read the correct strap for 'Manroland Evolution: a 1,000-unit stint' a story that appeared in December 2018 issue of Print Bulletin.

In mere three years, Manroland Sheetfed GmbH has successfully produced and installed 1,000 units of Evolution series sheetfed press. Do you still have any doubts about offset?

MARKETPLACE

Manroland Evolution: a 1,000-unit stint

In mere three years, Manroland Web Systems has successfully produced and installed 1,000 units of Evolution series sheetfed press. Do you still have any doubts about offset?



Manroland Evolution series sheetfed press. Photo: Manroland

Continuing the impressive ROLAND 700 EVOLUTION success story, October 2018 saw the press's one thousandth printing unit rolling off the assembly line at the Manroland Sheetfed headquarters in Offenbach, Germany since the first EVOLUTION press was commissioned at Sarnen Druck, Austria. This was for a six-colour double-coating machine with a wide range of accessories, scheduled for installation at the premises of Wave-based Belgian Packaging printer Imprintor.

A 3-year success and technology leadership

Since its first installation in early 2015, the ROLAND 700 EVOLUTION has been hailed for its many technical innovations, including simultaneous plate loading (SPL) which allows for cleaning of blanket and impression cylinders during the plate changing process, while the newly developed power plate loading (PPL) delivers automated coating plate change to make the changeover process even faster and more user-friendly.

Flexible utilisation of equipment is a hallmark of the ROLAND 700 EVOLUTION, evidenced in printing units which are prepared for both conventional and UV inks. The newly developed UV ink mist extraction

systems and four-fold detergent circuits serve to reduce changeover between different ink systems.

Alongside many technical innovations, Manroland Sheetfed has also provided the pioneering ProfitLine 360° service partnership package for all ROLAND 700 EVOLUTION owners. For 24 months after installation this maintenance contract provides periodic inspections, remote check-ups and machine maintenance, accompanied by performance analysis and information.



Manroland Evolution series sheetfed press. Photo: Manroland



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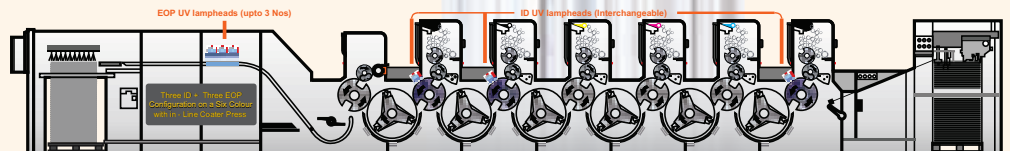


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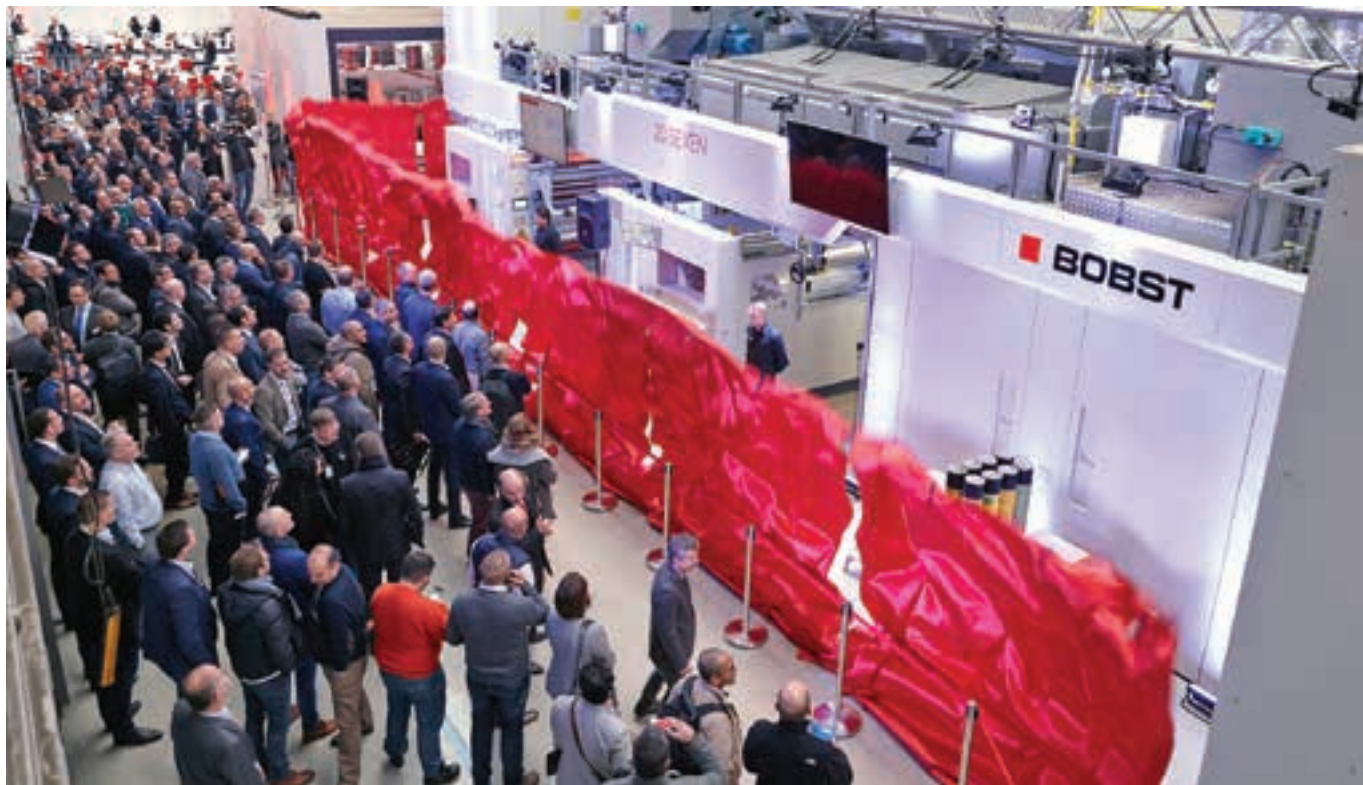


OUR PARTNERS



BOBST Group's key focus for 2019

As BOBST Group reaches the end of 2018, it takes a short look back at the year and some of the major trends and customer feedback on our product portfolio and look forward to our expectations for the year ahead.



Looking ahead to 2019, the Web-fed business unit will focus on strong growth in gravure in Europe and Asia.

A noticeable trend throughout 2018 was the consistent feedback from our clients that the role of packaging is changing. While protecting the goods is still the number one priority, it needs to be done in a more sustainable way. There is also greater demand to process thinner materials and to propose digitalised machines. With the rapid expansion of e-commerce, our customers' packaging production requires more productive and more flexible machines without compromising on quality. As brand owners use packaging to stand out on the shelf and to appeal to customers, the demand for better colour control, shorter production runs and repeat orders is growing, putting more pressure on converters to automate packaging production.

Sheet-fed business unit

In 2018, the sheet-fed business unit continued to benefit from leading innovations. The new MASTERFLUTE Touch inline laminators – with one single interface to pilot the whole machine delivering the highest productivity – have been a great success. E-commerce was a key word in

2018 and the specialty folder gluer MASTERFOLD 230, with GYROBOX XL, has been a major success enabling fast running speeds, fully automatic setting and extreme configurability.

For 2019, the Sheet-fed business unit expects zero-fault packaging to become mandatory and a continuous growth of e-commerce packaging. The demand for an extended colour gamut and high quality printing for corrugated boards will further accelerate. Finally, the pressure from brand owners to reduce non-recyclable packaging will grow.

Web-fed business unit

In 2018, the Web-fed business unit continued with significant success in gravure printing, especially the RS 6003. This machine is associated with excellent performance and flexibility to adapt to multiple applications and product configurations, covering a wide range of customer needs. Bobst opened new facilities in China in 2018, answering the growing demand for packaging production in the region.



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For printing, BOBST labels and flexible packaging solutions had a great presence at international shows such as Labelexpo Americas. The M5 was the best seller because of its flexibility and great variety of materials. Its on-boarded automation has also been widely praised. The REVO technology, which enabled the digital control of labels and packaging production, is poised for major growth as it combines key brand requirements – high quality control and high productivity, combined with the ability to manage short runs and low operation costs.

Mouvent – BOBST's digital label printing champion



Looking ahead to 2019, the Web-fed business unit will focus on strong growth in gravure in Europe and Asia. Labels production will continue to evolve driven by the digitalization of the entire production process, including in-line colour control. In Asia, we expect significant transition from gravure into flexo, especially in fast-growing markets like India and South East Asia.

Services business units

While the machines are always of great interest, the BOBST business unit for services had a great year as well, as customers increasingly emphasize the need for value-adding services. The new Digital Inspection Table – a digitalised way to proof printed sheets and die-cut blanks – is a product that all printers and converters should consider. It streamlines the process, improves precision and reduces errors, saving time and costs.

In 2019, services will play a growing role for converters and printers. They will witness an increase of connected services to support improved productivity, higher machine availability and higher production quality.

Mouvent – BOBST digital printing

In 2018, Mouvent – the competence centre for digital printing for Bobst Group – stabilised and industrialised its core cluster technology. The beta installations for textile and label printing took place and the number of installed textile machines reached six units. The first customer installations of Mouvent label machines also took place. We believe this is the start of a fundamental change in the industry in terms of how labels are produced in a fast



The new Digital Inspection Table streamlines the process, improves precision and reduces errors, saving time and costs.

changing world, where on-demand and customization are daily requirements

Development on further products has advanced well and additional products are about to be launched next year, which will widen the product portfolio of packaging solutions

And tomorrow...? Digitalise, automate, connect

BOBST will continue with its “Leading Innovation” focus. In 2019, the demand for more flexibility in the supply chain and shorter turnaround times will continue to put pressure on printers and converters. The need for consistently high quality printing, not only within a batch, but across multiple reprints, will be higher on the agenda. Stronger regulations in areas of consumer safety, waste disposal, nutrition facts and many others will have a significant impact on the packaging industries. Ink formulation will accelerate its move towards water-based inks, especially for packaging production.

Finally, BOBST is dedicated to collaborating with brand owners and developing joint solutions with producers, developing and leading the packaging evolution and “shaping the future of packaging” together.

PACKAGING +PLUS

Next generation eco friendly inks
for high end packaging printing

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MINERAL OIL FREE
FAST SETTING

Packaging is continuously evolving to fulfill new demands in terms of productivity, safety and aesthetics. Today's state-of-the-art packaging is a combination of truly high-tech products and processes. The use of mineral oil is restricted because of environmental concerns and printers are preferring more eco-friendly printing conditions inside the press rooms.

Quality to productivity, versatility to ecology, straight printing to perfecting printing, coated to uncoated substrates; **hubergroup** has made it possible to combine all these requirements in a single series named **PACKAGING PLUS**.

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PACKAGING PLUS is an ideal ink series for packaging printing that requires safety and eco friendliness.



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Padma Shri
KEYNOTE SPEAKER



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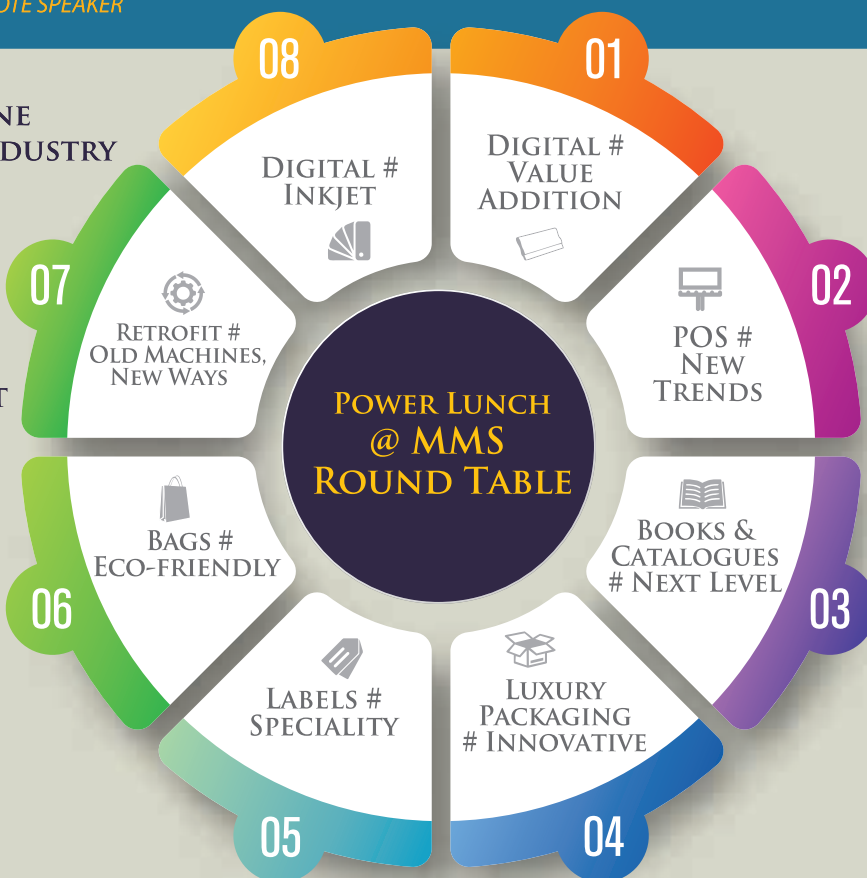


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Important deadlines to catch

BMPA has constituted a panel of consultants to support Print Bulletin readers with up-to-date information and to resolve queries regarding tax updates, FEMA, Banking sector, the Companies Act and the labour laws.

GST update

Take benefit of date extensions

Through various circulars, time limit for furnishing a range of forms and returns for GST has been extended. Here are some of the most important extended deadlines. For the complete list, please scan the QR code and download the complete GST update.

Particular	Form number	Existing/earlier due date	Extended due date
Time period specified in N. No.31/2018-CT dated August 6, 2018 for completing migration of taxpayers who received provisional IDs but could not complete the migration process.	GST REG-01 (after submitting details to the concerned Jurisdictional Officer)	Part-1: August 31, 2019 Part-2: September 30, 2019	Part-1: January 31, 2019 Part-2: February 28, 2019
The time limit for furnishing the return for the newly migrated taxpayers for the period July 2017 to February 2019.	GSTR-3B/ GSTR-1	December 31, 2018	March 31, 2019
The time limit for furnishing the declaration in respect of goods dispatched to a job-worker or received from a job-worker, during the period from July 2017 to December 2018.	FORM GST ITC-04	December 31, 2019	March 31, 2019

Recommendations made during the 31st Meeting of the GST Council

Rate changes and clarification in goods and/or services

GST rates on certain goods, which were attracting rate of 28/18/12% has been reduced to 18/12/5% respectively.

GST rate on cinema tickets above Rs. 100 shall be reduced from 28% to 18% and on cinema tickets up to 100 from 18% to 12%.

GST rate on third-party insurance premium of goods carrying vehicles shall be reduced from 18% to 12%.

Air travel of pilgrims by non-scheduled/charter operations, for religious pilgrimage facilitated by the Government of India under bilateral arrangements shall attract the same rate of GST as applicable to similar flights in Economy class (i.e., 5% with ITC of input services)

Comment: In case where goods or services are provided before the change in rate of tax the old rate will be applicable on such supply except where both payment and invoice raised after rate change. Refer section 14 of CGST Act while applying the new rate of GST.

Similarly, In case where goods or services are provided after the change in rate of tax the new rate will be



The thirty-first meeting of the GST Council shifted many goods and services from upper tax brackets to the lower ones indicating consistent and firm step towards bringing maximum number of items under 18% tax slab. Image: Ministry of Finance, Government of India

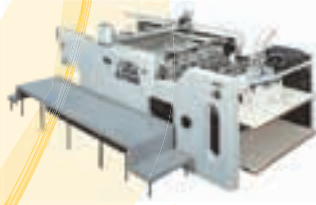
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Maestro 102AII
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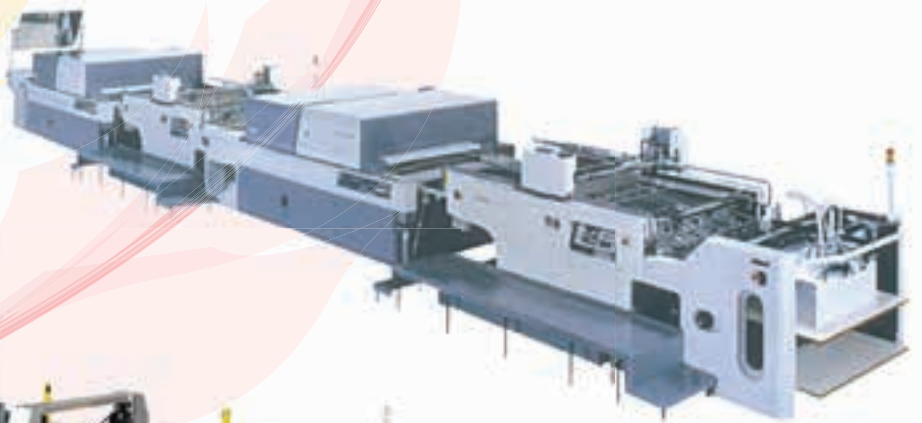


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DMS 102AII
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with Sakurai UV Dryer & Stacker



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SCREEN PRINTING MACHINE

MODEL	SC72AII	SC102AII	SC112AII	SC142AII	MS80AII	MS102AII	MS80SD	MS102SD	DMS102AII	MF-80	MSDR60
Max. Print size	720 x 500 mm	1020 x 700 mm	1130 x 780 mm	1400 x 995 mm	770 x 500 mm	1050 x 730 mm	720 x 500 mm	1050 x 730 mm	1050 x 730 mm	800 x 585 mm	550 x 500 mm
Speed	1000 ~ 3600 IPH	900 ~ 3300 IPH	900 ~ 3300 IPH	800 ~ 2000 IPH	400 ~ 3600 IPH	800 ~ 4000 IPH	100 ~ 2000 IPH	200 ~ 2000 IPH	800 ~ 2000 IPH	1000 IPH	660 FS
Thickness	0.1 ~ 0.8 mm	0.1 ~ 0.8 mm	0.1 ~ 0.8 mm	0.1 ~ 0.8 mm	0.05 ~ 0.8 mm	0.075 ~ 0.8 mm	0.05 ~ 0.8 mm	0.075 ~ 0.8 mm	0.1 ~ 0.8 mm	0.1 ~ 3 mm	0.025 ~ 0.1 mm

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applicable on such supply except where both payment and invoice raised before the rate change. Please note these rate changes will be effective only after a rate-notification is published in the Gazette or website by the Government.

Exemptions on services

(Change will come into effect after exemption notification is issued at a later date.)

- Services supplied by banks to Basic Saving Bank Deposit (BSBD) account holders under Pradhan Mantri Jan Dhan Yojana (PMJDY) shall be exempted.
- Services supplied by rehabilitation professionals recognised under Rehabilitation Council of India Act, 1992 at medical establishments, educational institutions, rehabilitation centres established by Government of India/State Government or Union Territories or entity registered under section 12AA of the Income-tax Act shall be exempted.
- Services provided by GTA to Government departments/local authorities which have taken registration only for the purpose of deducting tax under Section 51 shall be excluded from payment of tax under RCM and the same shall be exempted.
- Exemption on services provided by Central or State Government or Union Territory Government to their undertakings or PSUs by way of guaranteeing loans taken by them from financial institutions is being extended to guaranteeing of such loans taken from banks.

Comment: Section 11(4) of SGST Law of each State provides that any notification issued by the Government of India, under sub-section (1) of section 11 of the CGST Act, 2017 shall be deemed to be a notification issued under the SGST Act. Therefore above supplies are exempt from SGST from the date of notification issued under CGST Act.



Visit the <https://samadhaan.msme.gov.in> to avail the services of MSME Samadhaan, a delayed-payment monitoring system launched by the Government of India.

Waiver of late fees leviable on delayed furnishing of returns

The Government of India vide N No.75/2018 – CT/N No. 77/2018 – CT dated December 31, 2018 notified amendment in the N. No 4/2018- CT dated January 23, 2018/ N No 73/2017- CT dated December 29, 2017 by inserting the following proviso in the notification:

“Provided further that the amount of late fee payable under section 47 of the said Act shall stand waived for the registered persons who failed to furnish the details of outward supplies in FORM GSTR-3B/ GSTR-1/GSTR-4 for the months/quarters from July 2017 to September 2018 by the due date but furnishes the said details in FORM GSTR-1 between the period from December 22, 2018 to March 31, 2019.”

Comment: Late fee shall be completely waived for all such taxpayers who are in default as on the date of this notification for failure to file FORM GSTR-1, FORM GSTR-3B and FORM GSTR-4 for the months/quarters July 2017 to September 2018.

Integrated Goods and Services Tax (Amendment) Rules, 2018

Government of India vide N. No. 04/2018- Integrated Tax dated December 31, 2018 notified the following rules as Integrated Goods and Services Tax (Amendment) Rules, 2018:



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WET type



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Further, the supplier of services located in India would be liable to pay IGST on reverse charge basis on the import of services on that portion of services which has been provided by the supplier located outside India to the recipient of services located outside India. And said supplier located in India would be eligible for taking input tax credit of the IGST so paid. Image: FirmBee via pixabay

Rule 3 in clause (h): The words “the service shall be deemed to have been provided all over India and” inserted after the words “in the case of advertisements over internet” to clarify that the services provided over internet is not specific to 1 or more State or Union territory and shall be deemed to be provided all over India.

Denial of composition option by tax authorities and effective date thereof

Government of India vide Circular No. 77/51/2018-GST dated December 31, 2018 clarified the issue related to the effective date of withdrawal from the composition scheme as per Rule 6 of the CGST Rules, 2017 in case of:

1. Where the composition taxpayer has exercised such option to withdraw.

The effective date shall be the date indicated by him in his intimation/application filed in FORM GST CMP-04 but such date may not be prior to the commencement of the financial year in which such intimation/application for withdrawal is being filed.

If at any stage it is found that he has contravened any of the provisions of the CGST Act or the CGST Rules, action may be initiated for recovery of tax, interest and penalty.

2. Where action has been initiated by the tax authorities to deny such option

The effective date of such denial shall be from a date, including any retrospective date as may be

determined by tax authorities, but shall not be prior to the date of contravention of the provisions of the CGST Act or the CGST Rules.

As per section 10(5) of the CGST Act, the proceedings would have to be initiated under the provisions of section 73/74 of the CGST Act for determination of tax, interest and penalty for the period starting from the date of contravention of provisions till the date of issue of order in FORM GST CMP-07. It is also clarified that the registered person shall be liable to pay tax under section 9 from the date of issue of the order in FORM GST CMP-07. Provisions of section 18(1)(c) of the CGST Act shall apply for claiming credit on inputs held in stock, inputs contained in semi-finished or finished goods held in stock and on capital goods on the date immediately preceding the date of issue of the order.

Clarification on export of services under GST

Government of India vide Circular No. 78/52/2018-GST December 31, 2018 clarified the tax treatment in case where an exporter of services outsources a portion of the services contract to another person located outside India. Hence involve two supplies:

1. Supply of services from the exporter of services located in India to the recipient of services located outside India for the full contract value,
2. Import of services by the exporter of services located in India from the supplier of services located outside



Further, the supplier of services located in India would be liable to pay IGST on reverse charge basis on the import of services on that portion of services which has been provided by the supplier located outside India to the recipient of services located outside India. And said supplier located in India would be eligible for taking input tax credit of the IGST so paid.

Member counsel service by BMDA-MMS

BMPA empanelled consultants are available to answer your queries regarding MVAT and GST, Corporate and other Labour laws, Import-Export and Accounts and Finance. Print Bulletin readers are welcome to write-in specific queries to admin@bmpa.org Should the query qualify for the gratis consultation by the empanelled consultant, then counsel from the respective consultant would be tendered for your kind consideration.

BMPA and Print Bulletin encourages you to avail this service to the best of your benefit. For further inquiry or to know more about how to use these services, please call at +91 (22) 2493 4654.

will consider similar quantum of OMO purchases until end of March 2019.

High growth rate in manufacturing a doable challenge; printing and packaging Industry prospective

Achieving double digit growth in the manufacturing sector on sustainable basis is an 'achievable challenge'. For that the industry needs to integrate with global markets. Making India a USD5 trillion economy by 2025, an annual GDP growth rate of 11.7% is required. Growth in the manufacturing gross value added has to be 14.6% year after year, if manufacturing sector has to grow at 14.6 per cent, then "you have to be a very integral part of the global supply chain. We have to be extremely competitive in goods and services that would require upgrading size and scale. For too long, Indian manufacturing has been looking at domestic markets. In other words, it cannot be done without looking at global markets. One



Scan the QR code to read the full update about GST.

thing is very clear that all of us must realise is that the big buyers are out there in the global markets. Therefore, penetrating global markets must be our challenge. No country in the world, including Japan or China, has grown without penetrating global markets.

Companies Act and legal

These rules may be called the Companies (Incorporation) Fourth Amendment Rules, 2018

Ministry of Corporate Affairs (MCA), Government of India, vide notification dated December 18, 2018 has notified the Companies (Incorporation) Fourth Amendment Rules, 2018 In the Companies (Incorporation) Rules, 2014 (hereinafter referred to as the said rules), the following rule shall be inserted, namely:

Rule 23A

Declaration at the time of commencement of business under section 10A by a director shall be in Form No. INC-20A and shall be filed as provided in the Companies (Registration Offices and Fees) Rules, 2014 and the contents of the said form shall be verified by a

Company Secretary or a Chartered Accountant or a Cost Accountant, in practice with MCA along with an attachment of bank statement as an evidence of receiving initial subscription money in FORM No. GNL-1 .

Impact: Every company shall at the time of commencement of business shall file a declaration in Form No. INC-20A the said form will be made available shortly, along with an attachment of bank statement as an evidence of receiving initial subscription money in Form No. GNL-1.

Labour laws

Matters related to employment in India are primarily governed by the Constitution of India, specific laws framed by the Central and State governments, Municipal laws, collective and individual agreements, as well as judicial precedents. These law cover an array of issues, which may be general or specific in nature. Based on the objective of the enactment, some key legislations with recent amendments have been listed in the table below. For the complete list and the full labour laws update scan the QR code.



Acts	Objective/Purpose	Recent amendments
Factories Act, 1948	To provide for the health, safety, welfare, working hours, and leaves of workers in factories	Last amendment was made in year 2016 as follows. Section 64 and 65 of the Factories Act, 1948, to extend the total number of hours of overtime.
		1. Enhanced the limit of overtime hours from the present limit of fifty hours per quarter to one hundred hours per quarter under section 64;
		2. Further increased the limit of overtime hours to maximum of one hundred and twenty-five hours per quarter in public interest under section 65.
Shops and Establishment Act (Amendment 2017)	To regulate payment of wages, terms of service, holidays, leaves, working conditions, hours of work, overtime work, etc., special provision for Employment of Female workers employed in Shops and Establishments (Such as hotels, restaurants, bakeries, societies, charitable trusts, educational institutions (run for gain, etc.))	This Act, has been amended in the month of December 2017 and is applied from 2018. Which strongly focused on Employee's working conditions, leaves, working hours, overtime, span of shift timings, etc.
Employees' Provident Fund and Miscellaneous Provision Act, 1952	To provide a scheme wherein both the employer and employee make an equal contribution into a national fund which attracts a stipulated rate of interest per annum and the accumulated amount is paid on retirement to the employee along with the interest that has accrued.	With the introduction of online process in the last few years the documentation, submission and correspondence in respect of this act has reduced considerably, Due to this many provisions for filing returns, submitting documents in hard copies have been discontinued. After introduction of UNIQUE number, withdrawal of fund is now totally online, barring few cases.

Acts	Objective/Purpose	Recent amendments
ESIC Act, 1948	To provide for a scheme where in the employer and the employee must contribute a certain percentage of the monthly wages to the Insurance Corporation, whereby the contributory employees receives benefits as prescribed In the ACT.	With the introduction of online process in the last few years the documentation, submission and correspondence in respect of this act has reduced considerably, Due to this many provisions for filing returns, submitting documents in hard copies have been discontinued.

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CANON STRENGTHENS MOMENTUM IN TELANGANA

Keeping up with the pace of fast moving printing industry and to match the evolving needs of the customer, Canon India, one of the leading imaging players, today announced the installation of its flagship imagePRESS C8000VP at iCards Printers, a first for Telangana. The machine was inaugurated in the distinguished presence of Puneet Datta, Director of Professional Printing Products (PPP), Canon India. The imagePRESS C8000VP series has yielded more than 75 installations since the launch, attracting the attention of the industry across the country. The machine combines exceptional quality, productivity and versatility to deliver truly outstanding results across a vast variety of applications, taking digital colour printing to the next level. Along with the installation of C8000VP, iCards is also a proud user of Canon imagePRESS C700VP.

Expressing his views on the increasing market demand for the machine, Mr Datta, said, "At

Canon, we are committed to lead by innovation and adapt newer technology at par with the ever changing requirements of our customers. Our flagship model, imagePRESS C8000VP echoes our efforts at revolutionizing the professional printing space and empowering small businesses in the country. Taking digital colour printing to the next level, we are happy to see the iPR C8000VP get its first footprint in Telangana, through iCards Printers. Our second association with iCards, is a testimony to the trust that has been instilled by our customers, which always drives us to do better. We are positive that the installation will prove to be an important milestone in their growth journey."

iCards is a well-known establishment in Telangana and a one-stop destination servicing customers across the state of Hyderabad. Having established a firm foothold in the industry, they are known for its premium services catering to varied requirements of customers.

DOMINO ANNOUNCES INTEGRATION OF ETHERNET/IP TECHNOLOGY FOR LASER CODER RANGES

Domino Printing Sciences' recently introduced EtherNet/IP interface is designed to create a smarter, more connected and reliable factory. Formatted for its D-Series and F-Series lasers, this hardware device provides direct communication from the coders to the programmable logic controller (PLC). Utilising their existing line equipment, Domino's customers will have full control over their laser coding and marking equipment, and its messaging, through standard industrial protocol. The coder can also relay performance data, allowing for predictability and pre-emptive maintenance.

The easy to configure, the EtherNet/IP solution is 'plug and play' and does not require extra programming – only four clicks are needed to connect the Domino printer to the hardware. Its connection to a single board computer allows for standard PLC tags to be sent to the printer. Statistics on printer performance can also be seen in real time, allowing for rapid issue diagnosis and data interpretation.

Other data transfer system set ups may consist of additional programming in order for the printer to communicate with the PLC – the various functions that enable the connection, which are generally limited

and inflexible, have to be coded, which requires technical expertise. What's more, these technologies may necessitate extra equipment and external based software or may involve third parties. This can delay issue diagnosis or data feedback, and with highly complex systems, costs may be incurred due to ongoing engineer training.

Adem Kulauzovic, Director of Coding Automation, at Domino Printing Sciences, says, "Domino's EtherNet/IP will give its customers a central hub from which they will have comprehensive access to their network, giving them full control of the printers and avoiding the need to configure each individual machine. This hardware extends the customer's ability to record printer data, statistics and other information from the plant line without any additional equipment or external involvement, removing delivery delays and limited or inflexible functions."

The newly introduced technology is validated by ODVA, the managing association of EtherNet/IP. It performs as an integrated part of the PLC, reaffirming its reliability and functionality.



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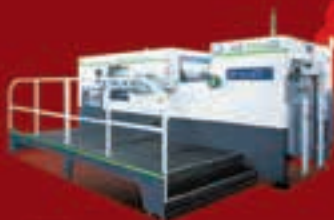
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Delivering customer experience, plate by plate

A tour of Metrostar Print Solutions PLC, with the man behind all the action, highlighted some interesting features of his state-of-the-art production facility that promises top-notch quality products.

Metrostar Print Solutions, or simply Metrostar, is not an unknown name to the print fraternity. Established in 2011, the company is known for trading in printing plates and printing blankets, besides the chemicals. It procures the products locally from market sources and markets them all over the country but mainly in Maharashtra, Gujarat and Bangalore.

The key promoter of Metrostar Mukund Bhuta, however, has set his vision and backed it up by setting up a state-of-the-art production facility to manufacture quality products with the latest technology available and deliver them to the customers at economical prices with complete quality assurance and service support.

The latest in the chapter of Metrostar is supply arrangement with Fuji for CTCP plates. Fuji does not have the production capacity in their manufacturing units in India, unlike what they have in China and Japan. Fuji has also shown interest in buying Metrostar thermal plates, and they have already carried out a successful round of trials. "At the moment we are manufacturing plates as per their requirements and orders; we have established ourselves in a supply and purchase relationship." Mr Bhuta adds; "soon we shall also look for more options such as strategic tie-up or technologies."

"I was one of the biggest importers for CTCP plates and had quite a good market rapport with the dealers and customers in India. Prior to that, my dad had a manufacturing unit for MS plates," says Mr Bhuta. He has over 14 years of experience of the print industry; however, his family has been in the business of supplying consumables to the industry for over four decades. Having such a solid foundation in both, trade and manufacturing, when he saw the gap between demand and supply of CTCP plates widening in the country, Mr Bhuta decided to set up an independent manufacturing plant in India.

Producing plates; delivering customer-experience

With his experience in trade and supply, Mr Bhuta knows his basics well: the customer is important, and the customer needs quality product and service for the cost. He confidently says: "We differentiate in a fiercely



The manufacturing line operates in a sound-sealed enclosure creating a noise-free factory and the acid emissions are collected and treated with air scrubbers eliminating air pollution from the plant. The plant also reuses over 97% water consumed in the manufacturing process.

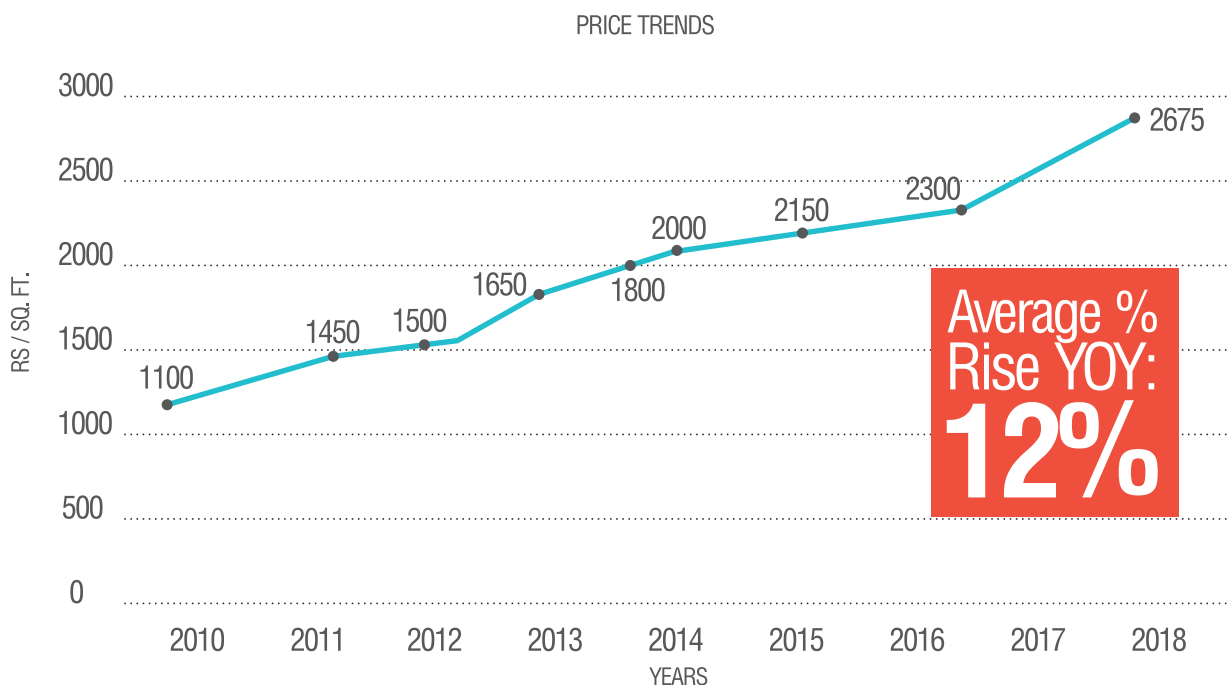
competitive market, dominated by a few, by delivering customer experience, not just our product. We are a growing company, giving a choice to our customers." Metrostar is focused on giving quality, low-cost products backed by technical sales and service support. Moreover, the company has ensured a wide choice with the product portfolio; for example, they produce different thickness of plates like 0.15, 0.20 apart from the regular 0.28 mm plates. On the sizes front, they range from very large size (VLS) plates to extra large, and very extra large size plates that are used by tile manufacturers.

Among other consumable products for the printing industry, Metrostar has a tie-up with ABC Allied Inc, USA

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For any enquiries on how Renaissance could benefit you, please call on below number





The final product is checked for weight and the consistency of the coating, RA values, graining structure through a 400x microscope camera, and expose a plate to check all the parameters, including, 1%, 3%, 50% dot.

for a joint manufacturing venture in India under the name of ABC Allied Metrostar India Pvt. Ltd. They are leading pressroom chemical manufacturers, with manufacturing in the USA, Poland, Turkey, and China. Our focus is to provide alcohol-free solutions, bio-degradable washes, UV and Aqueous coatings, and specialty coatings. Moreover, most of the products are FOGRA certified and are certified for food packaging. As we walked by the pressroom chemical manufacturing section, Mr Bhuta highlighted, "our plant is ready after trials for about a year and a half with around 200+ presses successfully running alcohol free products, and we are now looking for setting up a distribution network across India through the dealers and keeping stock with them to cater to the printing industry."

The plant and the processes

Undoubtedly the most impressive factor of the Metrostar manufacturing facility spread over 60,000 sq. ft. has an installed plate making capacity of over 4.3 million sq. m is the attention to detail and processes. The manufacturing line at the plant operates in a sound-sealed enclosure creating a noise-free factory. The acid emissions are collected and treated with air scrubbers eliminating air pollution from the plant. The plant also recovers over 97% of the 3.5 lac litres of water it uses every day and re-uses it for the manufacturing process. For strict quality control, the plant is maintained dust-free with multiple cleaning schedules and stringent movement restrictions for the staff within the plant.

"The processes at our plant are designed such and are followed so meticulously that the product leaving our plant is almost 100% defect-free. However, our aim is ever higher: we want repeat orders from our customers," Mr Bhuta is quite a hawk-eyed when it comes to details and processes at the plant. The plant is equipped with the latest technology and tools to ensure every step of the manufacturing process is achieved at 100%, and the final product is perfect as per its specifications.

At the plant, quality check (QC) is the utmost priority: the computerised control room monitors the concentration levels of the chemical in wet section and suggests the required corrective measures; the QC team checks samples every half an hour from tanks to ensure optimum values, and the final product is randomly tested with 4-inch sample. The final product is checked for weight and the consistency of the coating, RA values, graining structure through a 400x microscope camera, and expose a plate to check all the parameters, including, 1%, 3%, 50% dot. "Each exposed plate is kept for a minimum of a year in the plant so, if any given time, a customer complaint is received, we can check the plate from our lab matching the lot number of the plate with the customer.

To further eliminate any customer doubt, Metrostar also keeps two unexposed plates so that they can test those plates at the plant before offering a solution to the customer. If the need arises, a Metrostar technician visits the customer and checks and addresses the issue. "Mostly the issues we have faced are related to exposure



Spread over 60,000 sq. ft., Metrostar has an installed capacity of over 4.3 million sq. m.

and plate-making processes on the customer end; we have received just three complaints regarding the product so far,” Mr Bhuta proudly shares with us, “this dedicated approach towards the product and service support, we have successfully developed a unique and assuring customer experience, unlike any other supplier. We never tell our customers: the plate is working here so it should work at your facility too.”

Investment in the commitment towards customers

Shortly, Metrostar is expanding to CTCP process-free plates with in-house research and development; it will give them an environmental edge. People will have the option to use these plates without a developer and cleaning it with mere water while retaining the result of 1-99% dot. Mr Bhuta is also planning a high-speed, automated line to produce high-end products, such as CTP thermal process-free and double-layer, and CTP violet process-free and double-layer.

Mr Bhuta tells us that besides these major plans, Metrostar continuously updates systems on the existing line to improve speed, quality and so on. “These continuous updates may be expensive, but I think they are necessary to fulfil our commitment towards our customers: delivering quality products and services at economical costs,” he justifies the investment in the continuous improvement.

Positive outlook of the future

Amidst the almost omnipresent talk of the rapidly growing market share of digital printing technology and digital, screen-first media consumption, Mr Bhuta remains positive about the future of his business in India – a large enough market motivating his investment in the company. He points out, “despite the 80:20 ratio of digital vs print in the USA, it is the highest consumer of paper. India is exactly opposite; we are 20% digital and 80% print.” Moreover, the literacy rate in India is growing with better education; and vernacular languages are driving the market. He confidently says, “Make in India is going to benefit me in more ways than one. My business is in a growing market.”



Attention to detail is the most impressive part of the Metrostar manufacturing process. The digital table even ensures the plates are the correct size and the shape.

Get going for PRINTPACK INDIA 2019



Visit printpackipama.com for more information and online registration To promote PRINTPACK INDIA 2019, IPAMA participated in over 75 Indian and foreign exhibitions and conferences in the past five months, besides the tie-ups with associations from neighbouring countries including China, Sri Lanka, Bangladesh, and Nepal.

Count down for PRINTPACK INDIA 2019 is fast zeroing in; the flagship exhibition of Indian Printing, Packaging and Allied Machinery Manufacturers' Association (IPAMA) is being organised by February 1 and 6, at the India Expo Centre and Mart in Greater Noida, India.

IPAMA gratefully acknowledges Industry's overwhelming response, as the exhibition space earmarked for the exhibition has been completely sold out two months ahead of the show. PRINTPACK INDIA 2019 is 47% bigger than the last edition: 505 exhibitors will display their products over 24,500 sq.m at the exhibition.

Global and national promotion

Now the success and the outcome of exhibition depends on visitors. IPAMA has left not stone unturned to attract visitors to PRINTPACK INDIA 2019 from all corners of India and from international markets. From India, the Association of Label Printers and Suppliers, Screen Printers Association of India, Indian Paper Corrugated and Packaging Machinery Manufacturers' Association, Federation of Corrugated Box Manufacturers, and AIFMP members and delegations will visit PRINTPACK INDIA 2019. IPAMA has also inked memorandums of understanding with the associations in China, Egypt, Nigeria, Italy, Sri Lanka, Bangladesh, Nepal, and other neighbouring countries to mobilize visitors. To promote PRINTPACK INDIA 2019, IPAMA participated

in over 75 Indian and foreign exhibitions and conferences in the past five months. Besides, many promotional meets were organised in different cities with the support of local associations and the institutions related to the graphic arts industry.

Easy visitor registration process

For the convenience of visitors, elaborate arrangements have been made, including on-line registration. Visitors have to fill a simple online form to register themselves for the exhibition, literally a 3-minute simple process. After completing the online registration process, visitors can directly

enter in the exhibition halls with the printed copy of the registration slip and a valid photo identity. On-site counters will also available for registration for those who don't mind paying ₹100 for the entry to the exhibition, and wait in the que.

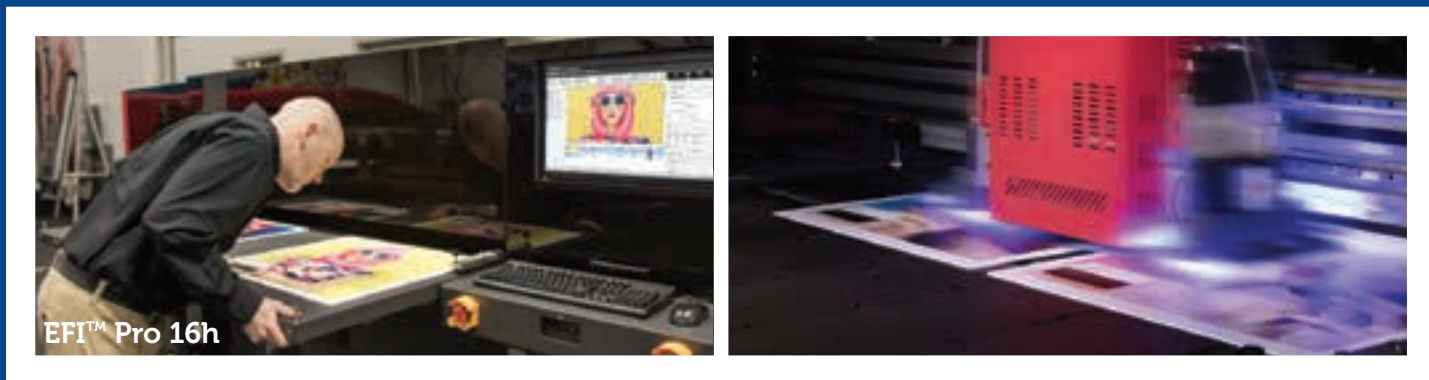
Making it more valuable

For making the event more purposeful and worthier, seminars and workshops are planned on February 2 and 3, along with All India Printing Ink Manufacturers Association, and the Print Business Outlook Conference by Association for Print Technologies. World renowned speakers and presenters will share knowledge and offer insights into the future of print technologies through these seminars and workshops.

Founded in 1988 and registered in Delhi in 1991, IPAMA is an independent organisation serving the needs of the printing, packaging and allied Industries in a rapidly changing marketplace. IPAMA operates from its own sprawling building with ultra-modern facilities at NOIDA in the neighborhood of New Delhi capital of India.

To know more about PRINTPACK INDIA 2019 or for online registration for the exhibition and various seminars and workshops, please visit <https://printpackipama.com/> or contact Vikram at info@ipama.org and +91 971719 9388.

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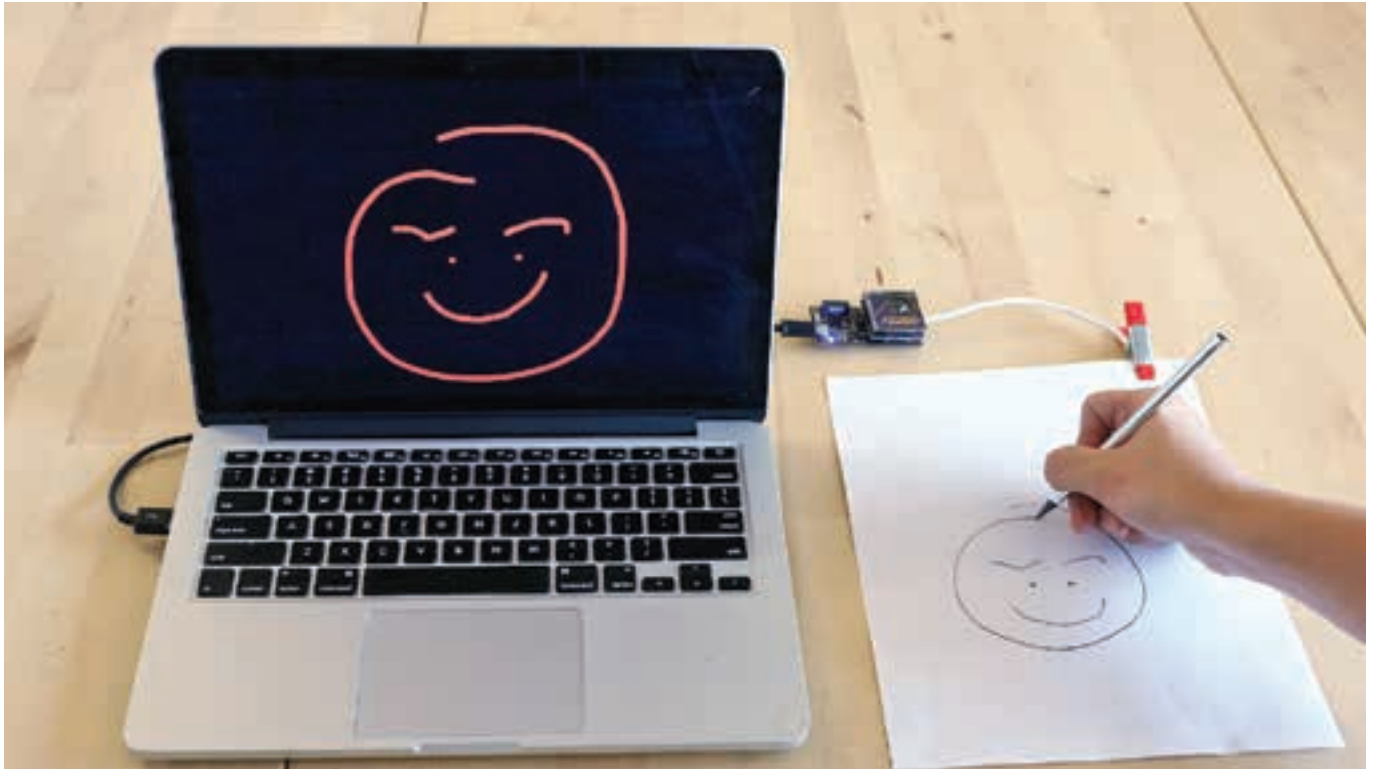


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It's magic with paper

A few technology-researchers are ready to turn a new leaf in the life of a paper, creating new possibilities for the paper as we know it and for the paper perhaps we have not imagined as yet.



A simple writing with conductive ink on a piece of paper, that is connected with a sensing device to a computer, acts as an input device. Image: Yang Zhang and Chris Harrison

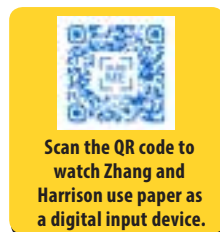
We have undoubtedly entered the era of the touch input with our phones, tablets and even our computers responding to just a touch or a tap on the screen. And yet, we all miss the feeling and the satisfaction from one kind of touch: writing on a piece of paper. On the other hand, we find ourselves trying to create more with paper and paperboard – be it new ideas in packaging to creating 3-dimensional figures with Origami, to creating pop-up greeting cards. On both the extremes, we are fascinated by the unique experience of working and interacting with a paper.

Touch the paper again

Yang Zhang and Chris Harrison, the researchers from Carnegie Mellon University, Pennsylvania, USA, have recently published a paper about human-computer interaction via paper. As we are interacting more with electronic devices, our interaction with paper is diminishing; the paper is taking a back seat on different fronts in our lives. The researcher duo wondered if there could be a way to make paper interact with our electronic

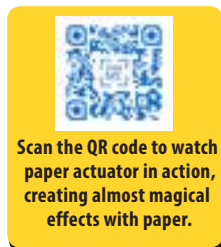
world as an input device.

Zhang and Harrison have developed a simple solution. Simple writing with conductive ink on a piece of paper that is connected with a sensing device to a computer acts as an input device. If one draws a shape on the paper, it appears on the computer screen. The implementation of this technology is cheap: a paper coated with a thin layer of conductive ink is all that is required for the sensors to capture the writings on the paper to convert into a signal for the computer.



Imagine reading a newspaper article and pressing on an icon to 'like' or 'share' the news on your social media by simply attaching a connector pin to connect the newspaper to your computer; that's the next level of writing on the paper.

Going forward, this technology also presents the possibilities to reshape the way we interact with paper. For example, an online test or form may be filled by any person, even if the person does not know how to use the computers. A conventional form printed on a paper with conductive ink layer will enable the necessary input, converting it into digital form on the computer. In a more advanced setting, perhaps, a complex engineering or architectural drawing may be made on the paper, and it would get transferred to the computer without the need of more expensive technology, such as the tablet connected to a computer as an input device. It can all be accomplished with an inexpensive piece of paper.



Re-imagining paper into 3D

As children we all have enjoyed the pop-up greeting cards – open the card and castle pop up or a cute teddy presents a red, heart-shaped I Love You. These cards require immense effort to design, cut, fold, and package the pop-up in such a way that it works seamlessly when the card is opened.

Fast forward to the 21st century, and we have new possibilities. Guanyun Wang, Tingyu Cheng, and their team of researchers working at the Morphing Matter Lab have developed paper actuator, making human-paper-digital interaction a lot more exciting and engaging.

“The actuator is composed of inexpensive materials, such as common paper and off-the-shelf thermoplastic printing filaments. The fabrication process is fast and straightforward, which requires a single layer printing with a desktop fused deposition modelling printer,” the project page on Morphing’s website states, “Our paper actuator can be easily embedded into everyday objects

to enable new types of paper-based shape-changing interfaces that exhibit motion, transformation, and rich interactions such as pop-up books, toys, origami robots, and lampshades.”

The Morphing Matter Lab at the Human-Computer Interaction Institute, School of Computer Science, Carnegie Mellon University, USA develops materials, tools, and applications of adaptive, dynamic and intelligent morphing matter from nano to macro scales. The lab proudly states on its website: we turn fictional future into the present.

These and more such research projects underline the unique potential of paper as a cost-efficient material that is flexible yet strong enough to adapt to a wide range of applications. Paper is also a naturally biodegradable material, thus, creating much smaller carbon footprint compared to other substrates that are typically used for electronics. Innovative and inventive research works with paper just suggest one thing: the paper has a lot more potential that we can imagine; perhaps it is just the beginning of an entirely new chapter in the life of paper.



Draw a simple shape with conductive ink to complete the circuit, and it completes an action, for example, light an LED.



A flat 2D drawing pops up and comes to life by merely touching it. Imagine how interesting we can make education for children where they would get to experience a blossoming flower out of their textbook, enabled by such technological interventions.

Zerogiri



Iqbal Kherodawala of Printline Reproductions holds a mirror up to us with his to-the-fact, yet hilarious articles about our 'typically Indian' habits.

And finally at the end of the year, the poor quirky Indian is accepting with a bitter pill that not all Heroes end up giving you tonnes followed by a lot of Zeroes but instead handover lots of Zeroes and ask you to arrange for 'The One'. Poor Shah Rukh Khan aka SRK wrongly assumed that with Zero content, with Zero creativity and with Zero understanding of the audience's intelligence, he will take home a big one followed by tonnes of zeroes and was unpleasantly jolted out of his reverie and his zeroes will now be followed by one. I wonder how it feels when the Red Chillies enter the body from the wrong side?

So what's our fascination with numbers?

Let us accept that we proudly claim to the rest of the world that we gave them Zero (circa Aryabhatta and all that), but should our obsession with numbers be so predominant that we see nothing else? Our love for Zero is so omniscient that we do not see anything beyond that. Although we want to see that our country grows its GDP in double digits, we do not object if on the ground level, we see the growth in double zeroes. If we have been assured that our leader can fight on our behalf with a 56-inch chest, we really do not object if our day to day life is fought by us in a chest which is sub-zero.

The funny part about being a suffering Indian is that we have literally 'zero' expectations from our leaders and their minions. Our road-making progresses at zero speed, our infrastructural development has had a zero impact on our lives, the innumerable flyovers dotting our north-south corridor has helped increase our speed by zero kilometres, the sea-link with its expensive toll has ensured that only private cars travel there in comfort, adding zero benefits to the public transport vehicles.

The cleaning of the Mithi river, the cleaning of Ganges and the cleaning of our roadside defaecators can actually be measured in a 'zero'. The proposed Ram Mandir moves at 'zero' speed until the election year, and once elections have been won/lost, it will once again be discarded to the 'zero speed' highway. Our courts prefer to move at zero speed because our police conducts zero quality investigation and the hardened criminal knows how to stuff lots of zeroes into willing pockets to ensure this. Even obvious criminals who maintain a very 'Sajjan' façade can get away for many many years because they know how the justice moves in our country.

By the way, the newest trend is to find 'zero' defects in the Big Gun who is the head of the ruling party. If you manage to find anything that is anti-people or anti-democracy or anti-truth, be ready to have a few lumpens with 'zero' brains and 'zero' decency to put you in your place. Incidentally, these lumpens will also educate you, as to how the earlier

parties who ruled this country did 'zero' for the progress of this country.

The amazing part is that we have a 'zero' tolerance about any and everything. So if someone doesn't eat what I want him to eat, or doesn't pray the way I want him to pray, or doesn't proclaim his patriotism in the 'acceptable' way, then I have been given the right by my constitution to have absolutely 'zero' forgiveness. But of course, if I follow 'zero' rules whilst driving on the wrong side, if I have 'zero' acceptance of the civic rules whilst being in a queue, if I follow 'zero' guidelines whilst disposing my waste, if I understand my 'zero' responsibility when I am supposed to vote for good governance, then nobody can tell me anything, because I am 'zero' liable to my country.

Let us accept that we actually do not want any progress. If the Supreme Court says that Talaq should be banned (and all over the world, it is considered medieval), we do not want to accept it because my religion allows me zero changes. If my Supreme court says that women should now be allowed into Sabarimala, I am not going to follow the court, because Lord Ayyappa has zero tolerance for menstruating women. If the country should henceforth be in rainbow colours under Sec 377, we will not accept it because all gays and lesbians have zero rights in this country. If my state is going to ban plastic, I will scream that the environment and the country can go to hell because I am going to make zero efforts to find an alternative. If my state wants to push Swachh Abhiyaan, I will give zero co-operation because, except for me, everyone else is a litter bug.

So now, I regret that Aryabhatta discovered a zero. The world used this zero and reached the moon, they invented the computer binary language, they used it to make their lives better. But what did India do with Zero? They made a stupid movie with an aging superstar who ended up showing that behind this all, we Indians are merely pygmies who are still searching for a proper soulmate even after crossing a suitable age, who get excited when a spoilt rotten Don kisses us and endorses us, and our own chosen mates, who are our fellow leaders, all suffer from selective cerebral palsy. For a middle-aged country, these zero successes don't spell a good future. SRK will probably recover from these losses and end up with another arm-stretching loveria movie and the country will pay him back in a one followed by a 1000 zeroes, but our poor country needs to pull itself up. We can't afford any more zeroes. The only Zero we need is a large all-encompassing one which we all can snugly cuddle into. The only Zero which we deserve is a one with a soft filling inside to give us a good nights sleep and the only Zero we need is one which comes after a question which can be asked to every Indian... Are you unhappy?





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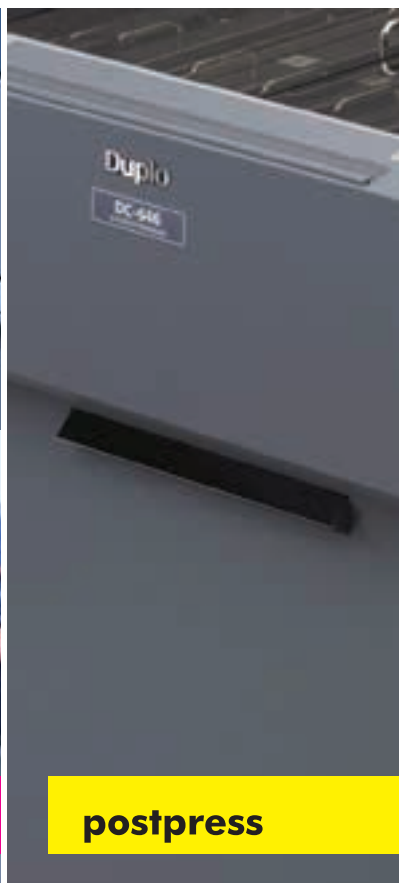


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