

PAMEX 2023

INTERNATIONAL EXHIBITION ON PRINTING AND ALLIED MACHINERY INDUSTRIES

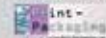
OF THE PRINTERS - FOR THE PRINTERS - BY THE PRINTERS

Organiser



ALL INDIA FEDERATION OF
MASTER PRINTERS

In Association with



PRINT-PACKAGING.COM (P) LTD.

27 - 30 MARCH 2023

Bombay Exhibition Centre
Goregaon, Mumbai

PREVIEW NEWSLETTER # 02

PAMEX 2023- TO BE BIGGER, BETTER AND BUSIER

The show surpasses total booked area of last edition already!

PAMEX 2023, the global business platform for print, label, converting and corrugation industry, is highly awaited not only by the suppliers and exhibitors but also by the buyers and visitors who are ready to scale up the already substantial market.

The statistics...

The show, scheduled to happen from March 27-30, 2023 at Bombay Exhibition Centre, Mumbai, has already surpassed the total booked area of last edition. By the end of October, more than 270 companies were on board, with many more in the stage of finalisation.

PAMEX 2023 is expected to surpass the record of last edition in terms of footfall, underlining the fact that post Covid the pent up demand and interest in a physical exhibition will ensure huge turnout of visitors. Additional registration counters are being planned for the on-site visitors and a system for sending entry badges by post and email to pre-registered visitors is being mooted.

The theme...

The highlight of 2023 edition is the theme of the Show, which is Convergence in Print! Convergence, basically, is a



phenomenon that has been happening over the past few years. It has gained tremendous momentum in the recent times and is very pronounced today as we come out of the unprecedented global pandemic while merging the technologies seamlessly. At one end, it is driven by the printers and converters who are looking to diversify into an industry segment beyond their primary focus. On the other, the emerging technologies make it possible for printers and converters to offer newer applications, enhancements and embellishments from their equipment.

These technologies and trends will be witnessed through the exciting display at PAMEX 2023, with convenience to interact with technology leaders.

Concurrent event...

PAMEX will play host to a glittering awards ceremony at the Gala Exhibitors'

Evening on the 29 March 2023. AIFMP has decided to institute several new awards to add to the prestigious National Awards for Excellence in Printing (NAEP) and Viren Chhabra Print Leadership Award (VCPLA) that were extended in the last edition. The new categories will include International Awards for Excellence in Printing (IAEP) and Top 10 of Indian Printing Industry. The categories under top 10 awards will include Commercial/Book Printer, Packaging Printer, Label Printer, Print Exporter, Machinery Manufacturer, Inks/chemical Manufacturer, Paper Mill, Machinery Exporter, Allied Material Manufacturer and Woman Entrepreneur.

Continued on page 03

MARK THE DATES

PAMEX 2023
International Exhibition on Printing and Allied Machinery Industries
Of the Printers - For the Printers - By the Printers

27-30 MARCH 2023
BOMBAY EXHIBITION CENTRE
GOREGAON, MUMBAI

CHOOSE YOUR
PREFERRED
READING COMPANION!

www.smediagroup.in

print publishing
BI-MONTHLY MAGAZINE ON PRINTING & DIGITAL COMMUNICATIONS IN INDIA

ALL ABOUT Newspapers
BI-MONTHLY MAGAZINE OF NEWSPAPER INDUSTRY IN INDIA

sign graphics
BI-MONTHLY PUBLICATION OF SIGNAGE INDUSTRY IN INDIA

ALL ABOUT Book Publishing
BI-MONTHLY MAGAZINE ON BOOK PUBLISHING INDUSTRY IN INDIA

print & publishing

BI-MONTHLY MAGAZINE ON PRINTING & DIGITAL COMMUNICATION IN INDIA



SCAN FOR MORE INFO

**YOUR GUIDE
TO INDIAN
PRINT &
PUBLISHING
INDUSTRY**

**REACH TO
MORE THAN
1,000+
PRINT & PUBLISHING
MACHINERY &
MATERIAL
DISTRIBUTORS**

**REACH TO
MORE THAN
3000+
IMPORTERS**

**ACROSS PRINT AND
THE DIGITAL EDITION
PRINT & PUBLISHING
REACHES OVER
18000+
PRINT, PACKAGING & PUBLISHING
C O M P A N I E S**

**MAGAZINE FOR
PRINT & PUBLISHING
INDUSTRY
FEATURES ON**

- MARKET TRENDS
- BUSINESS MANAGEMENT
- PRODUCTION & MANUFACTURING
- MARKETING, SALES & DISTRIBUTION

**REACH
DIRECTLY
TO TRADE
BUYERS**

**MAKE YOUR
BRAND
STANDOUT**

**406, SANT NAGAR, EAST OF KAILASH, NEW DELHI-110065 (INDIA)
PH.: (91) 011-26232482, 26232684, www.print-publishing.com**

PAMEX CORE-GROUP MEETING

FOCUSES ON PROMOTIONAL CAMPAIGNS AROUND 'CONVERGENCE IN PRINT'!

PAMEX, the preferred Indian destination for the global printing industry, has been adding value throughout each and every edition. The show has continuously been raising the profile of the exhibition and has increased value to both visitors and exhibitors.

In edition 2023, in the pursuit of this objective, PAMEX has formed a core group of the leading industry players and stakeholders from Indian printing and packaging fraternity to help hone the focus of the show. The valuable inputs from this group shall be used for designing and implementing an extensive promotional campaign focusing on a key theme of the exhibition 'Convergence of Print' and help crystallise the conference topics.

The first core-group meeting, held virtually on 10 Aug 2022, was chaired by Ravindra Joshi, Chairman- PAMEX.

The discussion was joined by Ranesh Bajaj, Vinsak India; Deepak Chawla, Technova; Tushar Dhote, Dhote Offset; Amit Sheth, Intergraphic Sales & Services; Harveer Sahni, Weldon Celloplast; Manish Desai, Mudrika Labels; Hemanth Paruchuri, Pragati Pack; Pawandeep Sahni, Omet India; Nitin Vani, Print Consultant; Sonal Khurana, S Media Group- Print & Publishing, Anil Arora, Print-Packaging.com (P) Ltd.- the co-organisers of PAMEX Exhibition, Neha



Jha and Hitesh Radi from Team PAMEX.

Starting off with a background of PAMEX, a presentation on how the show has grown over the years and an outline of key plans for edition 2023 was presented before the members. A few of the other significant points discussed at the meeting included: Overviewing the current scenario of Indian Print Industry; Determining the orbit and scope of Convergence in Print; Selecting cities for organising promotional "Road Shows", comprising of a day long table top exhibition and a half day conference, themed around Convergence

in Print; Outlining the plan of Pre-event Conference; and Adding additional elements to event campaigns like case study presentations, relative #hashtags, visitor feedback systems and reaching out to all local associations for their support in connecting with printers from every corner of the country.

"The first core-group meeting has generated valuable ideas and has given us an outline of what the industry is looking forward to. With the theme of Convergence in Print,

PAMEX will certainly bring several cutting-edge innovations and technologies on display in edition 2023," said Ravindra Joshi.

The second core group meeting was held on 7th November 2022, to further outline the theme and flow of upcoming promotional events in Guwahati (on 27th Nov), Ahmedabad (on 9th Dec) and Pune (on 23rd Dec). In next stage the schedule for events in Haridwar, Indore and Bangalore will be finalised.

Continued from page 01 **PAMEX 2023 – to be Bigger, Better and Busier at Business!**



PAMEX promotional events planned in SIX cities of India

The promotional road show of PAMEX 2023 will also see events circled around the theme of Convergence in Print!

The expo team had formed a core group of the leading industry players and stakeholders from Indian Printing and Packaging fraternity to help design and finalise the locations of the promotional event. The promotional events are being planned in Guwahati, Ahmedabad,

Pune, Haridwar, Indore and Bangalore. These cities that serve as the regional hub for the industry, will see PAMEX led one day table-top exhibition and half-day conference in coming months. Organized in partnership with local associations, these events will see printers, converters and suppliers openly discuss the pros and cons of adopting 'Convergence in Print' and map the tangible benefits thereby boosting the confidence for new investments in these equipments and technologies. The first

promotional event is scheduled to happen in Guwahati on the 27th of November, co-located with NorthEast Print Tech 2022, at Maniram Dewan Trade Center. Ahmedabad will be the next stop, where the table-top exhibition and conference is planned for 9th December 2022, to be followed by Pune in the same month on 23rd December 2022.

The dates of other cities will soon be announced and details of the same will be available on www.pamex.in

For any further query, write to us at info@print-packaging.com

8TH DRUPA GLOBAL TRENDS REPORT 2022 – EXECUTIVE SUMMARY

A lot has happened since the last one was drafted in Spring 2020! Covid pandemic, global supply chain difficulties, regional wars, trade wars, rising inflation, climate change - the list goes on. But so does life and the print industry is remarkably resilient. So strikingly, printers globally were on average slightly more confident about their companies than they were in 2019 and have strong expectations for 2023.

Printer & Suppliers sentiments...

Globally in 2022 34% of the printer panel stated their company current economic condition to be 'good' and 16% described it as 'poor', a net positive balance of +18%. We can see striking variations in optimism e.g. between Europe – cautious and South/Central America or Asia - optimistic. Looking at the data by market, Packaging printers show increasing confidence, Publishing printers show a recovery from a poor result in 2019 while Commercial printers reported a small decline in confidence this year but have expectations of recovery in 2023.

Suppliers were more confident, a global net positive of +34% for 2022 and notably more positive for Europe for 2023. Whilst they were a little more cautious for the Commercial and Publishing markets for 2022 - down 4 or 5% on 2019, they have strong positive forecasts for all market sectors for 2023 (net positive balances for Publishing +36%, Commercial +38%, Packaging +48%, Functional +51%).

Between 2013 and 2019, more printers dropped prices than raised them by an average of -12% despite ever increasing paper/substrate prices. Then suddenly in 2022 there is an unprecedented positive net balance of +61% in favour of those raising rather than lowering prices. Yes, there were heavy paper/substrate price increases, but those never prompted such price increases to end customers in the past. What is going on? What is more, this pattern is global, applying to most regions and markets. It should be noted that margins remain under pressure for almost everybody – so some things stay the same.

It is a similar story for Suppliers with a +60% net increase in pricing – previously the highest was +18% in 2018. Clearly emerging from Covid, pricing behaviour has changed radically and this has implications for inflation if repeated across other industries.

Printer operational measures...

Turning to printer operational measures, one key metric that has been tracked since 2014 is the volume of print produced by the huge variety of print technology. A large drop in Sheetfed offset in Commercial was almost matched by an increase in Packaging. It is worth remembering that the first negative net balance in Commercial was only in 2018 and then only very small. The other standout features are the huge growth in Flexo for Packaging and substantial gains in Digital toner cutsheet colour and Digital inkjet rolled colour.

One trend we would expect to have seen sustained through the pandemic is the growth of digital print as a % of total turnover. Yet this

appears to have stalled globally between 2019 and 2022 – except in Commercial print which grew modestly.

Web-to-print...

There has been a steady decline in the % of printers reporting they operate a Web-to-Print/Digital storefront from a peak of only 27% in 2017 to 23% in 2019 and 20% in 2022. For Commercial printers this has dropped from 38% in 2017 to 26% in 2022, while Publishing grew to 33% this year, but Packaging fell from 15% in 2019 to 7% in 2022. We acknowledge the reduction in sample size, but the numbers are still good globally. We will just have to see if next year shows a recovery.

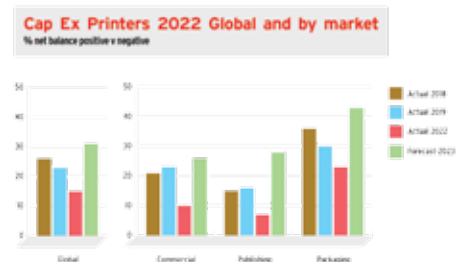
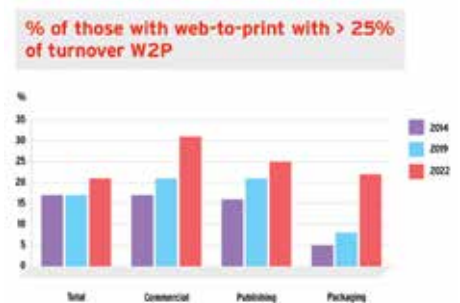
However, for those with Web-to-Print installations, the Covid period saw a substantial increase in turnover via that channel. Pre Covid this growth had stalled with no significant growth globally across all markets between 2014 and 2019 (just 17% of the panel with Web-to-Print reporting that more than 25% of turnover came that way in both years). But since then, it has shot up to 26% and the increase is across all markets.

Capital Expenditure...

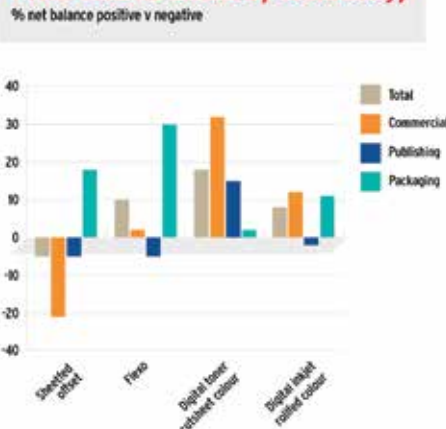
Not surprisingly Capital expenditure has fallen back since 2019 both globally and in all markets, but the prospects for 2023 and beyond are good. Regionally all regions forecast growth next year, except Europe with a flatline forecast. Finishing equipment and print technology were by far the most popular targets.

Regarding print technology, the clear winner in 2023 will be Sheetfed offset (31%), followed by Digital toner cutsheet colour at 18% and Digital inkjet wide format and Flexo both at 17%. It is very striking that Sheetfed offset remains the favourite target in 2023, despite a clear decline in volume of print by that means in some markets. For some it is to consolidate, reduce labour and wastage, for others it is to grow capacity. What is more the popularity of Sheetfed Offset remains for all three markets.

Strikingly when asked about long term (5 year) investment plans, top came Digital Print at 62% then Automation at 52%. Conventional print was still listed as the third most important likely investment 32%, this is not to overlook the fact that the Digital technologies are growing fast if we collate the various technologies together.



Print volume 2022 by technology
% net balance positive v negative



2023 Print technology investment targets - Global and by market				
Global Commercial Publishing Packaging				
1 st choice	Sheetfed offset 31%	Sheetfed offset 30%	Sheetfed offset & Digital toner cutsheet colour 27%	Flexo 39%
2 nd choice	Digital toner cutsheet colour 18%	Digital toner cutsheet colour 26%		Sheetfed offset 34%
3 rd choice	Flexo& Digital inkjet wide format 17%	Digital inkjet wide format 25%	Coldset offset 24%	Gravure, Digital inkjet rolled colour and hybrid offset/flexo/digital 14%

Table : In which of the following print technologies do you plan to invest in the next 12 months?

As for suppliers, they reported a net positive balance +15% for Cap Ex in 2022 and a net positive of +31% in 2023. Investment forecasts for 2023 were more muted in Commercial and Publishing but strong in Packaging and Functional.

Looking at the emerging strategic challenges, both printers and suppliers have been struggling with supply chain difficulties (paper/substrates and consumables for printers and raw materials

for suppliers) and they expect these to continue into 2023.

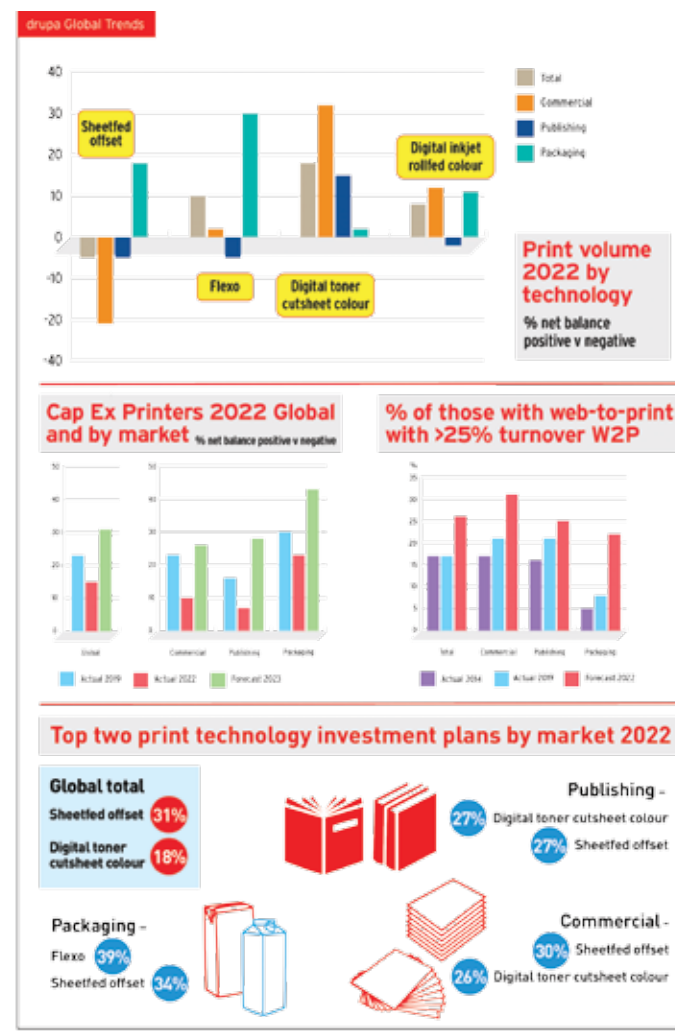
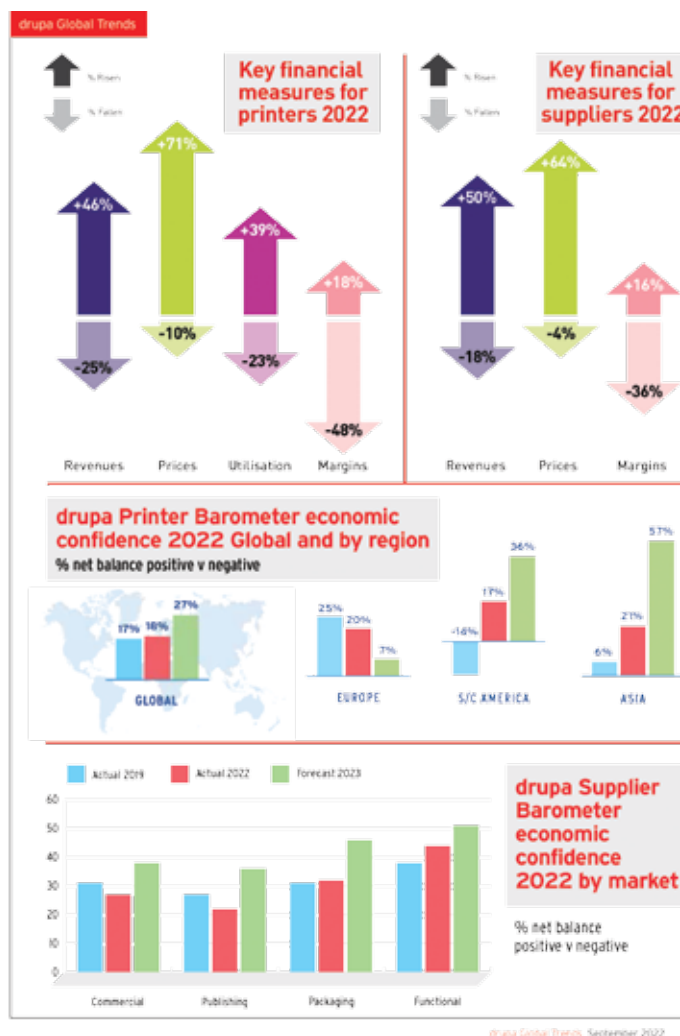
41% of printers and 33% of suppliers also reported labour shortages. Wage/salary rises have been and/or will be the result.

Environmental, Social and Governance issues are increasingly important across the globe for both printers, suppliers and their customers.

Considering short term constraints on the Print Market globally, the traditional issues dominate: Strong competition and Lack of sales/Demand – the former highlighted more by Packaging printers, the latter more by Commercial printers. Looking to the next 5 years, the impact of Digital media is highlighted by both printers and suppliers followed almost equally by Lack of specialist skills and Overcapacity in the industry.

Impact of pandemic

When we started the Trends Report series, we paid only modest attention to broader socio- economic issues. However, given the increasing impact these were having on the print market, we introduced questions on this in 2019. Given Covid and the other challenges that have come fast and furious since, this was a wise move. Globally 52% highlighted the impact of pandemics either directly or on the economy and 42% chose Economic recession in their country or region. But there were some noticeable regional variations. For example, 62% of Asian printers chose pandemic impact versus 52% globally; 58% of South/Central American printers chose Economic recession versus 42% globally; and 32% of European



HP launches HP PageWide Web Press T485 HD with HP Brilliant Ink



HP Inc. has recently launched high-volume production inkjet web press, the HP PageWide Web Press T485 HD with HP Brilliant Ink. This PageWide Web Press is designed to deliver on a wide range of applications including commercial, direct mail, publishing, and transactional, providing print service providers (PSPs) the versatility to meet the needs of their customers on uncoated and coated papers.

"We are excited to announce the expansion of our PageWide portfolio with HP Brilliant Ink. This new HP PageWide press offers Print Service Providers brilliant quality while printing at amazing speeds," said Annette Friskopp, Global Head and General Manager at HP PageWide. "The HP PageWide T485 HD with HP Brilliant Ink was designed to provide offset-class quality and to help increase return on investment for our customers, allowing them to improve their profitability and growth."

HP Brilliant ink enables a wider, more vivid colour gamut and allows users to print directly to coated and uncoated offset media. It can print up to 800 fpm/244mpm mono and colour in Performance mode, offering reliable printing at amazing speeds over 400,000 pages per hour in full colour. This 42-in width press offers flexibility to produce a broader range of applications on various media types and formats, allowing customers to grow their business and expand into new applications. These applications go beyond traditional direct mail and books and can include flyers, brochures, self-mailers, posters, banners, journals, magazines, catalogs and newspapers.

The HP PageWide Web Press T485 HD with HP Brilliant Ink is available for sale as an upgrade to existing PageWide T400 series presses and for new orders, with expected product availability in the first half of 2023.

Circular central impression flexo webinar by Flint group in December

Flint Group, one of the largest consumable suppliers to the global packaging and print industry, is set to organize a webinar focused on Circular Central Impression (CI) Flexographic Printing on December 1, 2022. The event features an experienced panel of speakers who will discuss the technologies available for today's printers and converters who seek circular and sustainable packaging.

As well as the next generation of press machinery, plates, and sleeves, the webinar highlights Flint Group's ONECode range of solvent-based inks and varnishes for flexible package printing. The range includes products formulated to enhance performance in flexible package printing as well as next-generation inks such as the Cradle-to-Cradle certified ZenCode.

With expert representation from key parts of the flexographic supply chain, the webinar aims to better prepare converters to meet today's sustainability goals. Topics include current challenges in low-carbon flexographic printing, the use of de-inking to create circular packaging, the latest technology in printing plates and long-life sleeves, plus the role of machinery & equipment in minimising waste.

Stephen Butler, European Flexible Packaging Product Manager,



Flint Group, said, "We are delighted to welcome guests to our CI Flexo webinar focused on sustainability. Staying competitive is an immense juggling act for printers and converters. The pressure to deliver quality, speed, and precision remains critical. In addition to that, boosting efficiency, reducing waste, and designing for recycling is more vital than ever before."

During this informative webinar, attendees will hear insights from plate and sleeve technology experts, XSYS Global, as well as press manufacturer, Windmüller & Hölscher. Flint Group, will present its circular vision and provide insight into effective recycling processes for flexible packaging.

BOBST smartGPS to be integrated with complete AV Flexologic mounting machine range

BOBST shares the same passion for innovation as AV Flexologic, and together the two companies are proud to announce they are breaking the barrier between prepress and press synchronization.

The smartGPS offered by BOBST has helped countless printers to automate their start-up process and eliminate waste by generating all the registration and impression settings offline at the plate mounting stage. The partnership has started with integration of the Automatic Mounting Machine SAMM 2.0, which will be displayed during a BOBST open house, which takes place during K-show 2022. smartGPS will then be integrated in the complete range of AV Flexologic flexo plate mounting machines, MOM, SAMM 2.0, FAMM 3.0 and RoboCELL.

Leveraging BOBST smartGPS technology and the patented technologies of AV Flexologic, including Image Recognition and robotic mounting, an optimized press workflow is guaranteed. Adding the GPS system in AV Flexologic plate mounting machines will lead to a waste-free streamlined workflow, with decreased changeover times and press downtime.

"AV Flexologic is proud to become the partner of the BOBST 'smartGPS' technology. Combining this leading press automation technology with the fastest and most accurate flexo plate mounters, brings the flexo industry one step forward towards a leaner, waste-free and optimized printing workflow. Everyone wins with this partnership, but most importantly the flexo printers, our common customers," said Martijn Otten, Managing Director AV Flexologic b.v.

While, Mark McNulty, Managing Director BOBST Bielefeld GmbH, said, "We are delighted to partner with AV Flexologic and the decision is in line with our continuous update of the smartGPS technology since its introduction in 2008, synchronizing the workflow with the new generation of our presses and related equipment. The plate mounter is a fundamental element of our smartGPS technology, and we are confident that the integration of both technologies will mean even more press uptime, less waste and higher quality print results."

BOBST is a worldwide leading supplier of equipment and services to the packaging industry, with more than 130 years of experience. BOBST is a core contributor to the transformation of the packaging world, offering innovative solutions that shape a more sustainable future for the global industry.

While, AV Flexologic invented automatic mounting 18 years ago and since then, has become the global leader in automatic mounting and prepress solutions. With more than 1,500 automatic mounters installed worldwide, AV Flexologic is the most innovative company when it comes to automation and prepress optimization.



ArtPro+ GMG OpenColor Connector for automated colour management solution

Esko-Graphics BV and GMG GmbH & Co. KG have partnered to deliver a new connection between GMG's profiling and colour prediction solution, GMG OpenColor, and Esko's native prepress editing software, ArtPro+. The connector will be launched in November 2022.

The collaboration brings two market leaders together to satisfy the demand for highly automated and globally connected colour management solutions.

Creating a smoother and more efficient colour conversion process for packaging and label printers, trade shops and premedia houses, the new ArtPro+ GMG OpenColor Connector enhances the connectivity and data exchange between the two class-leading solutions. This integration ensures uninterrupted file processing and colour conversion, without losing mission-critical metadata between systems – allowing both solutions to operate at their best.

Geert de Proost, Director of Product Management at Esko, is delighted to announce the new technology partnership. "The manual reseparation of images and artwork to match brands' color accuracy demands can be a laborious and error-prone process. But by automating the reseparation using GMG OpenColor technology, via the unique integration with Esko ArtPro+, prepress professionals can now accurately visualize color in before-and-after states and assess color deviations on-screen with precise Delta E readouts."

Rainer Schmitt, Head of Product Development at GMG, commented, "Esko and GMG have a shared goal of delivering fully integrated digital workflow and color management solutions. A better integration of GMG technology inside Esko solutions is one of the most often reported requests from our joint customers."

"Focusing on a friction-less user experience by connecting Esko ArtPro+ and GMG OpenColor, our partnership is starting with a great deal of value for our customers," he said. "GMG and Esko will continue to search for areas of collaboration to further simplify our customers' workflows."

The new connector will deliver wide ranging benefits for customers using ArtPro+ and GMG OpenColor, including:

- The creation of a standardized and automated process for colour matching and reseparation of multi-colour image and vector data, eliminating manual work, reducing the risk of errors and saving up to 60 minutes of operator time per job
- As ArtPro+ can modify colours, it is now simple and quick to add file edits after conversion for Multi Colour Process Printing
- Enhanced colour precision on press through standardizing colour conversion using GMG's enhanced spectral colour technology
- The ability to retain mission-critical metadata to deliver a seamless and highly efficient prepress workflow
- Increased flexibility for printers through rapid and precise prepress setup, thereby reducing pressure on time and resources

"At Esko, we know printers and their brand customers are looking for a 100% colour guarantee," added Geert. "We have always had an open system and that's why we continue to invest in technology partnerships and R&D to bring the colour consistency and quality they seek. Working with partners such as GMG underlines our commitment to bringing new innovations to market."

ESKO 

gmG  color

Four solutions integrate to create a seamless web-to-print workflow

At PRINTING United, Tilia Labs demonstrated how its intelligent imposition and planning technology integrates seamlessly to deliver a fully automated workflow.

According to George Folickman, Global Business Development & Sales Manager, Tilia



Labs, "To ensure we fit everything in, we've organized a full-day users group session ahead of the event with our friends at Infigo, Enfocus, and printIQ. We'll use that to showcase how the integration between the four solutions creates a seamless web-to-print workflow, moving files through quickly from order to print. There'll also be a customer panel session discussing trends and challenges within the industry, as well as roadmap discussions and a session on new features."

"As well as integrating our products featuring intelligent algorithms for sheet layout, estimation and planning into the Esko product portfolio, we recently announced a new partnership with Highcon, that sees the industry-leading Tilia Phoenix being sold with every Highcon system," he said. "With short run packaging on the rise, this marriage of Tilia Labs software and Highcon

laser die-cutting allows customers the best of all worlds, enabling profitable short, medium, and long runs," he said.

"Of course, the efficiency gains and benefits are not just limited to the length of the runs," he said. "Ganging multiple designs onto one press run reduces job changeover and increases press capacity, while digital laser cutting lowers the cost to job ganging by eliminating the need for costly dies. With Tilia Phoenix, the true breaking point between conventional and digital is uncovered, empowering businesses to continue their digital journey with confidence."

Tyler Thompson, Tilia Labs Solution Director, explained that



the latest version of Tilia Phoenix has an expanded Scripting Module, adding even more capabilities by exposing the core Tilia Phoenix technology via JavaScript. "The Script Marks feature provides the ability to hook into the Tilia Phoenix PDF library for drawing of customized marks and elements via JavaScript," he said. "The Imposition AI Scripts tool provides access to lower level layout data such as X,Y coordinates of items on a sheet or roll and exposes functions to do things like translate, rotate, or scale products based on scriptable logic."

"The extended Scripting Module now includes access to the Tilia Phoenix GUI to provide a way to script virtually every action available to a human operator to streamline unique imposition and planning processes based on production needs. Users can now automatically perform certain things based on job requirements, with no manual effort, and if you are repeating the same types of actions every time, the module allows for scripting these GUI-based tasks," said Tyler.

DIGITAL DRIVERS IN LABELS!

The reality on the factory floor today is that digital and analogue are entirely complementary print processes. This is realised through the growing amount of 'hybrid' options available – 'full' hybrid, 'true' hybrid, 'integrated' hybrid, etc – that combine the best of both processes, as well as the capacities that have been freed up and created, shares David Pittman, Editor, Digital Labels & Packaging.

It has been a few decades since the term 'digital' first entered the lexicon of the label printing industry. Since then, those at the bleeding edge and adopting when the market was still very much embryonic have been supplanted by a mature customer base deploying tried, tested and refined solutions as digital printing has become commonplace.

With the technology evolving – faster speeds, better quality, increased consistency, etc – so the market has embraced the opportunities digital printing permits. This has been realised in pressrooms the world over through hardware installations as printers look to respond to 21st Century consumer behaviours, the advent of short runs and ongoing trend for personalisation, and brand owner demands for new business models to provide just-in-time delivery and minimise waste in the supply chain. This sees many digital adopters in labels now operating multiple lines. They are also embracing the different digital printing technologies and the unique characteristics and capabilities of each to further their ability to respond to today's business environment, and that of tomorrow.

Increasingly, the end-use is driving the choice of technology, be that: challenging substrates as often seen in wines and spirits; durable labels that are resistant to various environmental factors; beer and beauty labels, where achieving the correct look and feel is paramount; or food labels, which must be aesthetically pleasing whilst meeting stringent regulations for food safety.

For most, these digital presses have slotted in alongside flexo and offset machines. There are examples from the early days of this not providing the most effective route to ROI, with the capabilities and capacities of digital printing undermined by attempts to make the technology work within existing workflows. Today, it is widely acknowledged that to make the most of an investment in digital, the ecosystem around the press is as important as the machine itself. This helps get incoming orders through pre-press, onto the print engine, then forwards to finishing and converting in the most streamlined and effective way possible.

The starting point is invariably the correct MIS/ERP, designed to handle the greater number of orders and jobs, the complexities of such work and the amount



David Pittman is the Editor of Digital Labels & Packaging.

of data involved, whilst being able to keep up with the press and keep it filed with saleable work. Web-to-print business models are now springing up at an increasing rate, bringing the convenience of e-commerce as experienced by consumers on a daily basis to the business-to-business world. While this will not work for all, it's likely that a growing amount of work destined for digital label presses will come from online avenues. This then creates an entirely different structure for label printers who might be more au fait with established workflows that see orders coming through the door and being processed by the pre-press department.

The likely deskilling of the pre-press process will result in a need for companies to find new roles for staff. This can be a boon for many as it creates new opportunities for growth, taps up underutilised resources within a workforce, and strengthens the personal development roadmap for staff. This may seem scary to some but it is an inevitable consequence of digital transformation.

Similarly, for a period there were concerns about how digital transformation would impact analogue print processes and their place in the food chain. Driven in part by the digital industry's excellent marketing activities and loud vocal presence permeating the supply chain, the furore reached such a fever pitch that there was a brief point in time when the digital printing industry was having to go on record to state, 'We're not here to kill flexo.'

In recent years, the flexo industry has staged a 'fightback' and gone through a technical resurgence of its own, including efficiency gains, automation of press set-up and better standardisation of the process.

As a result, the reality on the factory floor today is that digital and analogue are entirely complementary print processes. This is realised through the growing amount of 'hybrid' options available – 'full' hybrid, 'true' hybrid, 'integrated' hybrid, etc – that combine the best of both processes, as well as the capacities that have been freed up

and created. By taking the burden off a flexo press to print short runs when implementing a digital printing workflow, for example, label printers can increase the amount of volume work they put through their Gallus/Mark Andy/Nilpeter/MPS/BOBST press. Similarly, digital presses are now able to take on longer runs, leaving a flexo press free to produce the highest value jobs, perhaps. This maximises OEE and hastens the ROI, for both digital and analogue hardware. For many label printers, this has now opened up new business opportunities and new markets to them that they may have previously been unable to service.

One such opportunity has been digitally printed flexible packaging. Flexible packaging is a widely spoken about open goal for label printers. Technical challenges remain in this area given the greater demands placed upon primary packaging and how it relates to established label printing technologies such as UV, although work is ongoing in the supply chain to mitigate and alleviate such concerns. Further, a growing amount of hardware is now available to permit fast turnaround of digitally printed flexible packaging constructions, printed using either aqueous inkjet or toner technologies and suited to 'print-for-use' business models. There remains a need for education amongst label printers as flexible packaging materials and end uses are entirely different. That being said, it's likely we'll see more and more label converters moving into flexible packaging as opportunities present themselves.

Adding value is another area of opportunity for label printers deploying digital. In the ongoing battle to win at the 'Moment of Truth' and offer the greatest shelf appeal, more and more systems are being introduced to enhance and embellish digitally printed labels with either post-print analogue processes, or newer digital-native systems that can apply foils, varnishes and other visual effects, as well as haptic elements to appeal to consumers' desire to touch and feel.

As such, I believe that the label industry is well placed to embrace the next iteration of digital transformation, coupling its engrained knowledge of digital printing coupled with a capacity to adapt and change. Rather than being fretful, the label industry is looking forward to how digital can future-proof business and is ready to embrace all the opportunities this will present. Let's keep a close eye on this at drupa!

CONVERGENCE IN PRINT

THE UNDERLYING THEME AT PAMEX 2023

Convergence in Print is a holistic approach to adopt evolving print technologies and processes under one umbrella with the objective of expanding capabilities and delivering seamless print reproduction on various substrates for producing similar or diversified product range; aligning with the requirement of end customer in a timely & cost-effective manner by empowering the printers and converters to look beyond their present horizon.

In simple terms, production of diversified printed product range of cartons, labels, shrink sleeves, lami-tubes, in-mould labels, corrugated packaging, flexible packaging, printed electronics, commercial printed products etc, by adopting diversified prepress, print, print enhancement & finishing technologies including offset, digital, flexo, gravure, screen, hybrid, foiling, lamination, die punch technologies etc - all under one aegis.

The main takeaway is that modern print platforms are highly flexible and well suited for a wide range of applications from short runs to long runs prints and provide the technological foundation for the printers seeking migration to different segments due to varied commercial reasons. Ability of print technologies to print on a wide range of substrates is a great enabler of this convergence. The growing print enhancement and embellishment techniques available in these technologies are also lending to the emerging of newer and often high value applications. Coding and marking that works on Inkjet technology converges seamlessly with conventional print technologies to bring in great value addition through brand protection.

'Convergence in Print' will be the underlying theme of PAMEX 2023 and will be highlighted in a separate hall. Convergence is a phenomenon that has been happening over the past few years. It has gained tremendous momentum in the recent times and is very pronounced today as we come out of the unprecedented global pandemic while merging the technologies seamlessly. At one end, it is driven by the printers and converters who are looking to diversify into an industry segment beyond their primary focus. On the other, the emerging technologies make it possible for printers and converters to offer newer applications, enhancements and embellishments from their equipment. These technologies and trends will be witnessed through the exciting display at PAMEX 2023, with convenience to interact with technology leaders.



PAMEX'S PROMOTION AT NATIONAL & INTERNATIONAL SHOWS!



PAMEX, the trend setting premium B2B exhibition for national and international exhibitors and visitors from print, labels, converting and corrugated packaging industry is levelling-up its promotional activities with each passing day. The show, with its presence and participation in some of the most prestigious exhibitions from the relevant industries, assures unprecedented success of the 2023 edition, to be held from March 27 – 30, 2023 at Bombay Exhibition Center, Goregaon, Mumbai.

The 10th month of the calendar year was commenced with the participation at India Corr Expo 2022 held from October 8-10, 2022 at Bombay Exhibition Centre. The show provided a perfect opportunity to drive quality traffic and promote PAMEX 2023. The marketing team of PAMEX banked this opportunity with its active participation and diligent presence throughout the expo.

PAMEX, thereafter moved to Bangkok from 19th to 22nd October for the 8th Pack Print International Exhibition. This event was held alongside Corruotec Asia creating an augmented business platform representing synergistic industries and end-to-end value chain for the packaging, printing, and corrugation industry. Team PAMEX got an opportunity to meet international exhibitors and visitors and instil their pre pandemic trust in the Indian market.

The team also participated at Packprint International, Bangkok (October 19-22, 2022) to promote PameX.

The team now looks forward to its presence at Label Expo 2022, which is scheduled from November 10-13, 2022 at India Expo Centre, Greater Noida.



Raveendra Joshi becomes President of AIFMP for the second time



At the annual elections of All India Federation of Master Printers (AIFMP), Raveendra Joshi has taken over as the new President of the association. Joshi has already served AIFMP in various capacities and had served as the President of the association earlier for the term 2018-19, as well.

Joshi is a Law Graduate from ILS Law College, Pune. After completion of his B.Com, he has expanded his family business by upgrading the infrastructure. He also established his own identity by establishing United Multi-color Printers Pvt Ltd, a commercial printing house with the ultra-modern technology equipment from pre-press to post press and diversified operations in packaging and book printing segments. His company has won several 'National Awards for Excellence in Print (NAEP)' in printing, at competitions held on national levels.

Joshi is currently the President of The Poona Press Owners Association Ltd, also popularly known as PPOA. PPOA is the oldest association of Printers having a legacy of 103 years.

While reacting to the good news, Mr. Joshi said, "I am honored to hold the position of AIFMP President again and look forward to continue doing good work for the benefit of our printing fraternity in India. Further, completing the project of building AIFMP Bhavan and Research Centre at Manesar, Haryana, will be the dream project to work on."

New office bearers for AIFMP 2022-23

At the 69th Annual General Body Meeting and the Election of Office Bearers for the year 2022-23 of All India Federation of Master Printers (AIFMP), the new team of Office Bearers were elected for the year 2022-23. Raveendra Joshi, United Multicolour Printers Pvt Ltd, Pune has been elected as its President for the year 2022-23, taking over the reins of AIFMP the apex body of 2.5 lakhs Printers in this country employing around 15 lakhs persons directly and 10 lakhs indirectly w.e.f 1st October 2022. Established in the year 1953, AIFMP draws its strength from 82 regional associations spread all over the country, which are affiliated to it.

The following dignitaries have been elected as Office Bearers of the All India Federation of Master Printers for the year 2022-23: Hon. General Secretary: Raghabendra N. Dutta Baruah, Seven Stars Publications Pvt Ltd; Hon. Treasurer: K. Rajendran, Vignesh Offset; Vice-President (North): Nitin Narula, Colourbar Communications; Vice-President (East): Bidyut Ranjan Nag, Nag Offset; Vice-President (West): Anant Vishwanath Joshi, Sahitya Mudranalaya; Vice-President (South): K. Kumarasamy, Kumaraswamy Printing Press; and Hon. Joint Secretary: Rahul Mahajan, Narendera Publishing House.

Imm. Past-President is P. Chander of Artisan Company.



Biographical book on the life of Prof. Kamal Chopra released

During the course of the acclaimed 'International Conference on Printed Electronics and Smart Packaging' held in DCRUST Murthal, the biographic book 'Imprint of a Printer' was released. Based on the life of the printing mogul of India Prof. Kamal Mohan Chopra, it is penned by a veteran journalist PPS Gill, who served as the former Information Commissioner of Punjab and the Bureau Chief of The Tribune – a prestigious newspaper published from Chandigarh. The foreword of the book is written by the famous Israeli inventor of Digital Printing, Benny Landa. It was released by His Excellency Shri Bandaru Dattatraya, Hon'ble Governor of Haryana.

Based at Ludhiana, the former President of All India Federation of Master Printers (AIFMP), Prof. Chopra is presently serving as the Chairman of World Print and Communication Forum (WPCF) which is the apex body of the printing world. This feat made him not only the first Indian, but the first Asian to do so. Acknowledging his many achievements in the field of printing, his birthday 22nd October, is celebrated every year as the "National Printer's Unity Day."

Speaking on the occasion Prof. (Dr.) Rajendrakumar Anayath, Vice Chancellor, DCRUST, Murthal, said, "Prof. Chopra's contribution towards the printing industry of the country, is something to be marvelled at. It is a proud moment for me and the University, that this book was launched here and that too by the Chancellor of the University and Hon'ble Governor Shri Dattatraya." "It was a pleasure for me to be invited at such a prestigious conference," said His Excellency Shri Dattatraya who was the Chief Guest at the ceremony. He further added, "One of the biggest highlight of this International Conference for me, was the launch of the book 'Imprint of a Printer.'"

Global digital printing packaging market to reach approx. \$50,000 m by 2031

The global digital printing packaging market size was valued at \$20,599.5 million in 2021, and is expected to reach \$49,927.84 million by 2031, with a CAGR of 9.1% from 2022 to 2031, says Digital Printing Packaging Market: Global Opportunity Analysis and Industry Forecast, 2021-2031 report by ResearchAndMarkets.com.



Vallava to present economical range of binding machines

Mumbai-based Vallava Graphic Machinery is a manufacturer of post press machineries. The company's team of highly-experienced engineers creates innovative machine designs and heavy-duty constructions that redefine value and affordability in a new way. At PAMEX 2023, Vallava will present its versatile range of note book binding machines, joint forming machines, semi-automatic file making machines, spring file making machines, case making machines, cover pasting machines, box file pasting machines, and others.

Murugan S, Managing Director, Vallava Graphic Machinery, said, that PAMEX 2023 will be perfect platform for them to showcase its flagship products to the right visitors as well as its customers from all over the country. Vallava always lends helping hands to their customers who wish to customise any machine as per their requirement.



Vallava notebook binding machine



Xerox to shed spotlight on 11 colors capabilities at PAMEX 2023

How can 11 Colors deliver a million different possibilities? Visit Xerox Stand at PAMEX 2023 to find out. At the expo, the company will showcase how Xerox Adaptive CMYK+ Technology is helping print service providers expand beyond commodity print. It's all about high-value, high-impact applications, adding digital embellishments that pop and keeping customers coming back.

Main objective of Xerox at the expo will be its 11 Colors capabilities to offer its customers a wide variety of print solutions, which enable them to truly stand out

with eye-catching printed marketing materials in both metallic and fluorescent on Xerox Versant 280 Press. The post-pandemic is the time for small shops to make big, bold changes, leveraging Adaptive CMYK+ Technology to stand out in a world of colours. With the Vivid and Fluorescent Kit, 11 Colors of Xerox means a million different ways to breakthrough brilliantly.

hubergroup India wins two IFCA Star Awards

At the IFCA Star Awards 2022, the Indian Flexible Packaging and Folding Carton Manufacturers Association (IFCA) honoured hubergroup Print Solutions with two awards in the category "Innovation R&D". The two award-winning products are HYDRO-LAC GA Oxygen Barrier Coating and the offset ink MGA CONTACT.

hubergroup's products convinced the independent jury of experts due to their innovative character: The oxygen barrier coating stands out due to its sustainability efforts. It protects packaged food from oxygen and, thus, enables mono-material packaging for oxygen-sensitive foods such as nuts. Consequently, the packaging is easier to recycle and can be returned to the material cycle. The sheet-fed offset ink MGA CONTACT scores with creativity: Thanks to carefully selected raw materials, the ink series is suitable for safe printing on the inside of paper and cardboard food packaging. Thus, brand owners and packaging designers have twice as much space for information and creativity.

Suresh Kalra, Managing Director India & President Asia at hubergroup, is very pleased about this recognition. "At hubergroup, we place great emphasis on driving the advancement of sustainable, safe packaging. We, therefore, put a lot of energy into the research and development of innovative as well as creative products such as our HYDRO-LAC GA Oxygen Barrier Coating or MGA CONTACT," he concluded.



Continue from page 05

8TH DRUPA GLOBAL TRENDS REPORT 2022 – EXECUTIVE SUMMARY

printers chose regional physical wars versus 21% globally. And there was a clear majority (59%) that thought socio-economic pressures were either more important than or of equal importance to market pressures.

In conclusion we were encouraged by the broadly positive outlook that printers and suppliers had both of trading in 2022 and the prospects for 2023. Indeed, perhaps the single most striking result of the survey was that globally the Barometer of Economic Confidence was slightly higher in 2022 than in 2019 before Covid struck. Then again, most regions and markets forecast better trading in 2023. This was not universal and there are strong headwinds to make things more difficult – some global, some regional.

Clearly investment fell during the Covid pandemic and companies have taken time to recover. Nevertheless, printers and

suppliers report a determination to grow their businesses, investing as necessary, starting in 2023. As there are few signs that market and broader economic pressures will lessen, this is just as well. For only those companies who invest wisely, bring their costs down by raising productivity, diversify and innovate and invest in their team, will prosper. This is well summarised in a quote from a printer in Portugal.

"Looking for the biggest opportunity, my company must be alert, be patient and look for new demands... The Covid pandemic, and the Russia/ Ukraine war will bring new disruptions in market, but equally may create new opportunities. [These] could be found in markets where innovation and rehabilitation [reform] could happen. For that, my company will look essentially for digital operations... (labelling, digital printing - wide format and medium format)." -**Commercial, Packaging and Functional printer, Portugal**

Autoprint to showcase its highly acclaimed machines including Autoprint Dextra 80

Autoprint has emerged as a market leader at global level in manufacturing and selling post-press machines viz. coating machines, die punching machines, variable data printing, carton inspection and other related machines. At PAMEX 2023, the company will showcase its line of machines including Autoprint Dextra 80 die punching machine with standard features. Autoprint produces Dextra Die Punching machines in two sizes—22×32 inches and 19×26 inches.

'Made in India' in global standards, Autoprint products have found wide acceptance and acclaim in various countries across the world. VMOM Pte Ltd in Singapore is one of the valued customers of Autoprint. This overseas customer recently installed a fleet of three Autoprint Dextra 80 and two Automatic Die Punching machines with Hot Foiling. VMOM is a highly reputed packaging company serving the industry for the past 25 years.



Autoprint Dextra 80

DGM to display high-speed automatic folder gluer at PAMEX 2023

Chinese printing and packaging machine manufacturer DGM Automation supplies high-quality machines to the printing and packaging companies across the world. DGM India independently builds a production base for a range of machines comprising automatic folder gluers, automatic die-cutting hot stamping machines, and high-speed laminating machines. The company's participation at PAMEX 2023 will reveal some upgraded range of machines. In this respect, Puneet Agarwal, MD, DGM

Automation India Private Limited, said the key product on display at the expo will be the automatic folder gluer for folding cartons.

Puneet mentioned that the high-speed automatic folder-gluer is available from 650 up to 3200mm. The company's Technofold, Smartfold, Megafold, G-Fold Series can offer customer tailored solutions—from small carton board to big corrugated boxes, from short run to long run. High speed automatic folder gluer is suitably designed for straight-line, crash-lock bottom & double wall boxes. This versatile folder gluer is specially designed for the most demanding packaging companies, commercial printers and finishers.

Chemo Graphic to showcase core competency in offset printing blankets

Mumbai-based Chemo Graphic International is a leading converter of offset printing rubber blankets in South Asia. The company boasts of a range of blanket products which are converted and barred in its own facility for ready-to-use shipping. The products are of the highest quality criteria and advanced in their technical requirements. At PAMEX 2023, the company will showcase core competency of its range of products imported from leading global manufacturers, such as Conti-Air, Techkon, Sawa, among others.

Vivek Bhuta, Managing Director, Chemo Graphic International, shared that at PAMEX, they will present PRINT-TALK, a knowledge sharing platform, which covers one of the most exiting operations required by the press operators. The platform provides the solutions of the problems press operators face from time to time. The talks on the online platform cover the whole gamut of discussions, such as under-packing storage, application process, printing eco-system and cycle of print.



Easeprint to announce upgraded software solutions at PAMEX 2023

Fulfilling the need for quick print management, Easeprint provides software solutions for offset printing—which are made for advanced, easier, quicker and accurate way of generating quotations/job tickets/ordering materials/print floor/analysis print reports. "We help and assist print service providers at every level of their printing process from the first step of estimating till the final stage of the finished product," said Sanjay Handa, COO, Easeprint Solutions.

Sanjay added that Easeprint at PAMEX 2023 will demonstrate the upgraded range of their software solutions which are designed with their two decades of experience in the printing industry. The Easeprint software solutions rectify the frustration of delay, mistakes, irregularities, losses due to common manual way of handling the jobs. Easeprint software is user friendly and can be made operational in minutes.



MINOSHA to showcase RICOH machines

MINOSHA has been a strategic partner of RICOH Asia Pacific in India. The company offers a comprehensive range of digital solutions for empowered businesses using a whole gamut of RICOH digital presses, which comprise MFP of diverse models as well as production printers like high-speed RICOH Pro VC 60000 and InfoPrint 5000 Multi-Purpose Platform (MP) with configuration flexibility.

Prasanna R, Business Manager – Production Printing, MINOSHA India Limited, said they will use PAMEX 2023 as a strategic platform to demonstrate the entire range of RICOH machines for diverse print productions. He adds that whatever be your documentation requirements, MINOSHA has MFPs to meet your every need. RICOH offers single function or multifunction printers (MFPs), mono or colour, in A3 & A4 sizes, which are affordable, reliable and compact.



NBG auto roll fed square bottom paper bag machine
bags with handles.

According to Nitin Garg, Managing Director, NBG Printographic Machinery Company (P) Ltd, the latest auto roll fed making machine is highly cost effective and it is specially designed for food & ornaments industries. He adds that the special bottom closing device improves the slow bottom closing process in traditional models. Its distinct bottom gluing system (water glue) can efficiently save glue loss and labour cost, bringing profit directly to customers.

NBG to highlight auto roll-fed square bottom paper bag machine

Manufacturer, supplier & exporter of printing and converting machines, NBG Printographic Machinery Company boasts of a complete range of roll-fed flexo & offset printing machines, roll-fed paper bag machines and converting machines like sheeters & slitter rewinders. The company at PAMEX 2023 will highlight its auto roll-fed square bottom paper bag machine, suitably designed for small square bottom paper

Nippon Color to showcase Screen CtP devices

Mumbai-based Nippon Color has joined hands again with Screen to distribute the latter's pre-press and printing equipment. At PAMEX 2023, along with the exhibit of flagship pre-press product range including Cron, Dotline, Glunz & Jensen and others, the company will demonstrate Screen thermal CtP, FlexoCtP and UV inkjet label presses.

Akshat Pardiwala, Managing Director, Nippon Color, shared that they have partnered with some of the leading international brands in the pre-press domain. He further informed that PAMEX 2023 will be a prolific platform for the company to demonstrate the latest machines, equipments and technologies in a grand manner.



Standard Printers Providers to present versatile range of flexo machines

With its 40 years of active presence in the Indian graphic machinery market, Standard Printers Providers offers a multiple range of imported flexographic machines for printing and packaging segments. The existing product portfolio of the company consists of TAIYO high-speed servo driven UV flexopress for labels, films, laminates, mono cartons, etc; NICKEL intermittent offset label press/slitter rewinder & label inspection system; offline in-mould label production press; FUJI metal printing equipment and others.

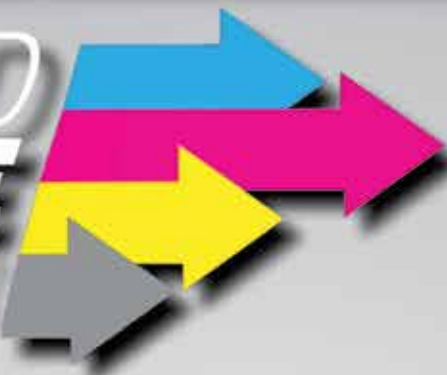
Gaurav Sachdev, VP, Standard Printers Providers said the PAMEX 2023 will a prolific meeting point for the industry people to meet all over again after a long and hectic pandemic break. He mentioned that they will use the expo to showcase their entire range of flexo machines and meet their customers.



EXHIBITORS' LIST

Company Name	Stand No.	Company Name	Stand No.	Company Name	Stand No.
3S Graphic Solutions	A23	Hitech Systems Pte Pvt. Ltd	D10	Paramount Trading Corporation	A41
A One Ctp & Graphics	MS28	Honesty Subscription Agency	MS30	Patel Enterprises	E12
Aarushi Agencies	A40	Hotron Heaters Private Limited	MS01	Pelican Rotoflex (P) Limited	H10
Abhikruti Digi Soft	E14	HP India Sales Pvt. Ltd	H22	Perfect Packwell	I70
Acme Machinery Company Private Limited	B40	Hubergroup India (P) Ltd.	C46	Photokina Chemicals Pvt Ltd	E35
Aditya Print Solution	A61	Image Ravi Creations (IRC)	P03	Plastics Capital India Private Limited (C & T Matrix)	D41
Advanced Graphic Systems	A21	Impel Services Private Limited	A07	Poojan Industries	A12
Aim Machintechnik Pvt. Ltd.	G12	Impex Enterprise	F01	Prakash Weboffset Pvt. Ltd	J05
AKR Industry	O20	Impress Paper Drill Bits	E58	Pratham Technologies Private Limited	C65
Akshar NX Digital Pvt. Ltd.	G35	Indiacot	O22	Precision Machinery	F38
All India Plastics	E90	Indo Poly Machines Corporation	E20	Premier Book Centre	F02
Alliance Printech	I58	Indus Analytics LLP	D12	Pressman Solutions	A15
Alpha Techsys Automation India Pvt. Ltd.	MS11	Innovative Flexotech Private Limited	G10	Prince Enterprises	F42
Alpna Visual Packaging Aids	E26	Insight Print Communications Private Limited	A65	Printech Systems	B90
Ample Graphics (P) Ltd.	C06	Integriti Consulting	B73	PrintHub	C36
Anant Book Suppliers	F05	Intergraphic Sales & Services (P) Ltd.	G50	Printpack Engineers	A20
And Global Sales Corporation	E23	Ionic Chemicals Private Limited	E90	Prizm Holography And Security Films (P) Ltd.	G38
AND Systems	MS03	J K Steel Enterprise (Amritsar)	A75	R C Agencies	MS25
Anugrah Impex	E55	J K Steel Products (Mumbai)	B80	R K Label Printing Machinery	G40
APL Machinery	G05	J S Kainth	L35	R Manubhai & Sons	E70
Arofine Polymers Pvt. Ltd.	C64	Jandu Engineering Works	G45	Radix Enterprise (Pinnacle Technocrats)	C45
Arrow Digital Private Limited	G18	Jay Engineering	D58	Ratan Industrial Engineers	E22
Artize Die Makers	D56	Jay Raj Fine Paper Company	A45	Retrofit India	A52
Ashok Punch Arts Private Limited	A08	Jem Inc.	E45	Reves Technopack	A72
Ashwin Enterprises	C04	J-Pack Engineering Private Limited	E40	Riso India Private Limited	B70
Associated Enterprises (Sujata)	N01	JSA Printing Solutions	C47	Robatech India Pvt Ltd	B66
Associated Industrial Corporation	O31	JSD Industrial Consultant Private Limited	A24	Robertson Machinery Company	E02
Astra Chemtech Pvt Ltd	B75	JSR Instruments	A51	Robus India	N07
Autoprint Machinery Manufacturers Pvt Ltd	E17	K Shyamji Enterprises / Dham Chemicals (P) Ltd.	A70	Royal Enterprises	F27
Avery Dennison	H25	Kagaj Digital Paper Private Limited	A59	RSG Solutions	B62
Avtar Mechanical Works	N10	Kalbro Manufacturing Co	A86	S J Engineering Works	K12
Baumer India (P) Limited	E16	Kanan Graphics Pvt. Ltd.	B42	S Kumar Multi Products Pvt. Ltd.	H60
Bharat Printing Agency	F07	Khushi Graphics	D60	S P Konsultancy	N19
Bhogle Engineering Works	E50	KMI Business Technologies Pvt. Ltd.	A50	S S A Amrutha Folder Tech	A38
Bobst India Private Limited	D45	Kollatrr	A54	Sachdeva Enterprises/Orange Business	A42
Bodhi Professional Solutions (P) Ltd	E10	Komori India Private Limited	D02	Sahil Graphics	K01
Bosshere Spare Parts	MS06	Konica Minolta Business Solutions India Pvt.Ltd.	D32	Sandilyam Automation Systems Private Limited	I26
Boxtech	C68	Krishna Lamicoat	J03	Sangeeta Poly Pack (P) Ltd	A06
BRD Manufacturing Company	L05	Kunal Enterprise	A73	SASG UV Solutions Pvt Ltd.	C20
C Press Trading	G01	Lagi Shetty Creatives	F18	Selection Scan De'Print	F32
Canara Flex	I50	Laser Technologies Pvt Ltd.	G02	Senior Packhub	J40
Canon India Private Limited	B10	Laxmi Trading Company (Sakthi Group)	A66	Sharp Digitals	I30
Care Graphic Machinery UK	D43	Li Shenq Machinery Co. Ltd. Taiwan	I52/	Sharp Enterprises	F09
CGSASP Private Limited	MS19	L12	B02	Sheth Printograph Pvt. Ltd.	B25
Champion Machinery China	M10	LineOMatic Graphic Industries	P26	Shield Knife Company	E38
Chemline India Limited	E03	Linux Machine Incorporation	B85	Shredders and Shredding Company	G06
Chemo Graphic International	B45	M R Graphics	A62	Shyam Techno Print	K30
Colorjet India Limited	H40	Machine Resources	G42	Siddhant Engineering Services	MS14
Condot Systems Private Limited	I03	Macrobond Engineers	I65	Sigmaroto Machineries Private Limited	I27
Control Print Limited	G65	Macrobond India Private Limited	E46	Silicon Infotech	I19
Cosmic Print System	A48	Majestic Graphics	C30	Simplify Inc	A47
Creative Digital Delhi	P25	Malhotra Graphics	H35	Skytec Corporation	E56
CREOFIL	C61	Manroland Goss	E60	Soham Technologies	G04
Crystal Innovations	F17	Mark VI Trac Systems	B64	Sonafine Corporation Pvt Ltd.	D51
Davindra And Sons	F04	Max Print Engineers	A85	Sond Engineering Works	O05
DCC Print Vision LLP	E18	Maxworth Trading Company	O33	SPB Machinery	M08
Deluxe Packtech Machines	J50	Mcsparrr test systems and Chemicals pvt ltd.	E42	Square Stationers	B56
DGM	A02	Media Print 'N' Pack	B30	Standard Mechanical Works	D05
Digital Print Solutions	E11	Megabound (India) Pvt. Ltd.	I32	Standard Printers Providers	G15
Domino Printech India Private Limited	H20	Memory Repro Systems Pvt. Ltd.	B72	Suba Solutions Private Limited	G60
Duratech Automation Pvt Ltd	E36	Michelman Private Limited	F08	Sudarshan Machinery	J15
Easeprint Solutions	F22	Mikro Automation	C10	Suddha Machineries and Industries Pvt. Ltd.	I15
Echaar Equipments	I11	Minosha India Limited (Formerly Ricoh India Limited)	A36	Super Bond Adhesives Private Limited	I01
Electromec Machinery Manufacturers Private Limited	C40	Mistry Packtech Engineering	A63	Super Cure (Tech Chaska Pvt. Ltd.)	D55
Eltech Engineers	C50	Mital International	H30	Suprabhat Trading Corporation	A46
Emerging Graphics (I) Private Limited	A68	MLM India Ltd / MLJ Industries	D54	Swifts Private Limited	N16
Empowera Technorganics Private Limited	A26	Modern Machinery	MS10	Taj Printing Machinery	J01
Esko Graphics India Private Limited	I45	Modi Enterprises	K05	Tech Master Engineering	D50
Fair Deal Engineers	L10	Mohindra Mechanical Works	D42	TechNova Imaging Systems Pvt Ltd.	C01
Falcon Vacuum Pumps & Systems	F14	Monk International /Shri Export Import LLC	J10	The Stark Printers LLP	E04
Farb Technologies	A80	Monu Graphics	F20	Total Packaging Services	L01
Filigree Pack	B52	Multi Hitech Inc	J12	Trasy Enterprises	G09
FIP Flexo	G30	Nagpal Industries	B60	TRC Exports Private Limited	D44
Five Star Printing Machinery	B53	Namrata Graphics	G43	Trutech Machinery	D33
Flexo Image Graphics (FIG)	I25	Naph Graphics	A22	Unique Packaging	J18
Friends Engineering Company	C48	Navkar Cards	M01	Unison Machinery Private Limited	A107
FujiFilm India Limited	B07	NBG Printographic Machinery Co. Pvt. Ltd.	A14	UV Graphics Technologies Pvt.Ltd.	I02
G B Tech India	A55	Neha Overseas	O45	V Chem Bond LLP	MS08
Galaxy Printers	F36	New Perfect Rubber Roller	D40	Vallava Graphic Machinery Company	D30
Gebr. Becker India Vacuum Pumps Pvt. Ltd.	D48	Nippon Color	B54	Vardhaman Graphics	A18
Global Printech Graphics	F21	Nitta Corporation	C70	Vinsak India Private Limited	G08
Gpaks Solutions Private Limited	F15	Novel Automation Limited	I55	V-VAB Vision Technologies (India) Private Limited	A57
Grover Industries	E01	Ocean's Deep Printers	F40	Watthour Systems	C35
Gurinder Engineering Works	L30	Om Sai Techno Graphix Pvt Ltd./Heikom Engineers	I57	Xerox India Limited	C03
Gurleen Engineers	J09	Omet India	C41	X-Rite India Private Limited	A82
H L Printech	C55	Omkar Engineering	C52	Yamuna Trading	F45
Harbhajan Singh & Co.	P05	Origami Machines Pvt Ltd	L15	Yash Copier	A25
Harison Agencies	C49	P S Graphics	A60	Zenith Rubber (P) Ltd	B48
Harpreet Graphics	MS15	Paliha Machinery			
HIC Machinery Co.	O01	Pangraphics Machinery			

ADD
VALUE
TO YOUR
PARTICIPATION



pamex
2023

International Exhibition on Printing and Allied Machinery Industries
Of the Printers - For the Printers - By the Printers
27 - 30 March, 2023

IN

pamex
2023

PREVIEW NEWSLETTER / **SHOWDAILY**

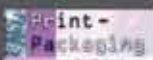


&



JOINTLY PUBLISHED BY

print.publishing



ORGANISER



ALL INDIA FEDERATION OF
MASTER PRINTERS

EDITORIAL CONTACT:

varsha.smedia@gmail.com # 9899026282
sonal@smediagroup.in # 9810297693

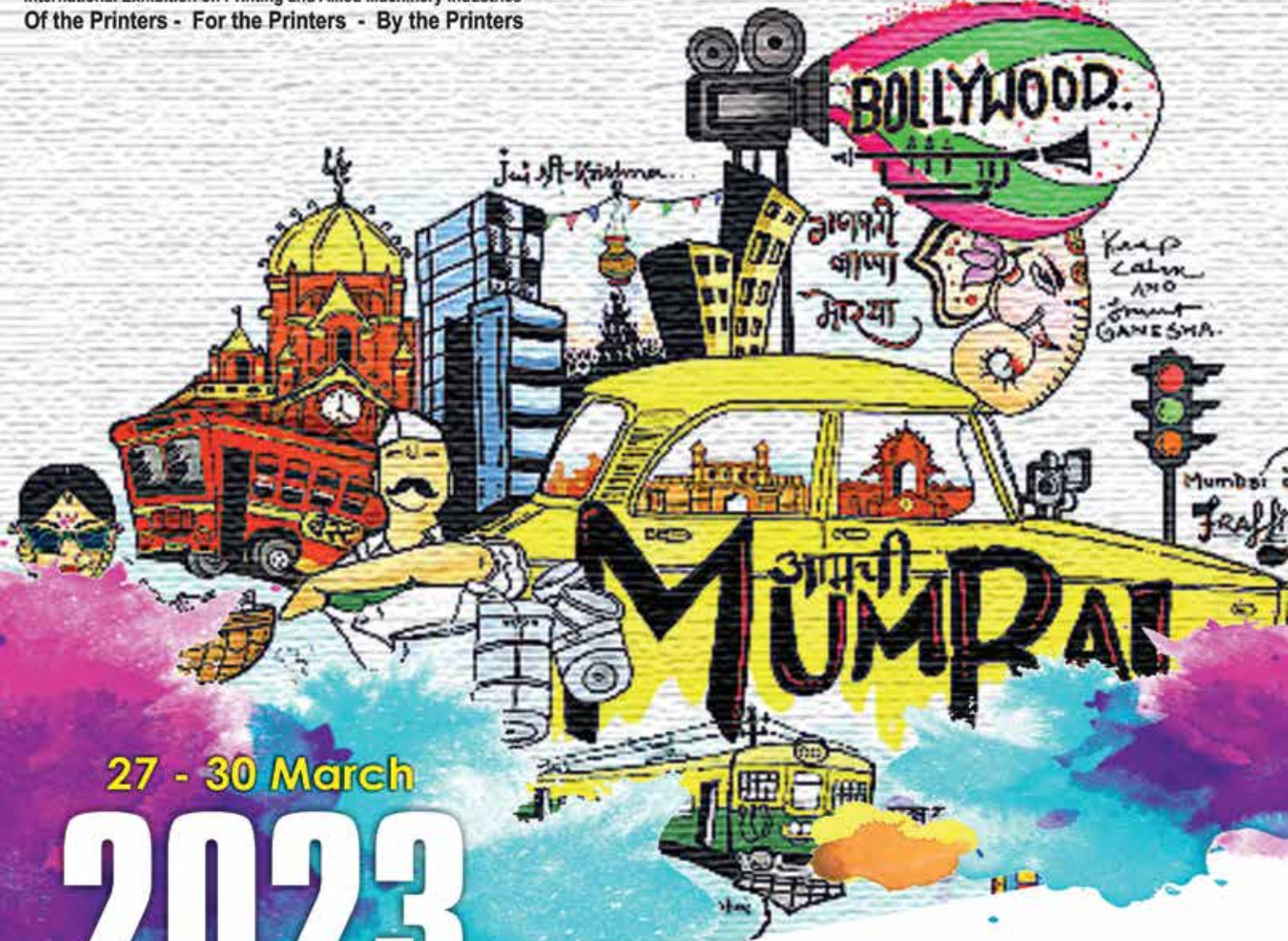
ADVERTISING CONTACT:

kutty@smediagroup.in # 9313480469
sonal@smediagroup.in # 9810297693

PAMEX 2023

International Exhibition on Printing and Allied Machinery Industries
Of the Printers - For the Printers - By the Printers

CONVERGENCE
IN PRINT



27 - 30 March

2023

Bombay Exhibition Centre,
Goregaon, Mumbai



Organised By:

ALL INDIA FEDERATION OF
MASTER PRINTERS



In Association With:

PRINT-PACKAGING.COM
(P) LTD.

Print-Packaging.com (P) Ltd.

Mumbai : F 101, Tower No. 7, First Floor, International Infotech Park,

Vashi Railway Station, Vashi, Navi Mumbai 400 705.

Tel : 91-22-27812093, 27812619, 27812657

Fax : 91-22-27812578

Email : info@print-packaging.com

www.Pamex.in