

PRINTBULLETIN

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Mumbai

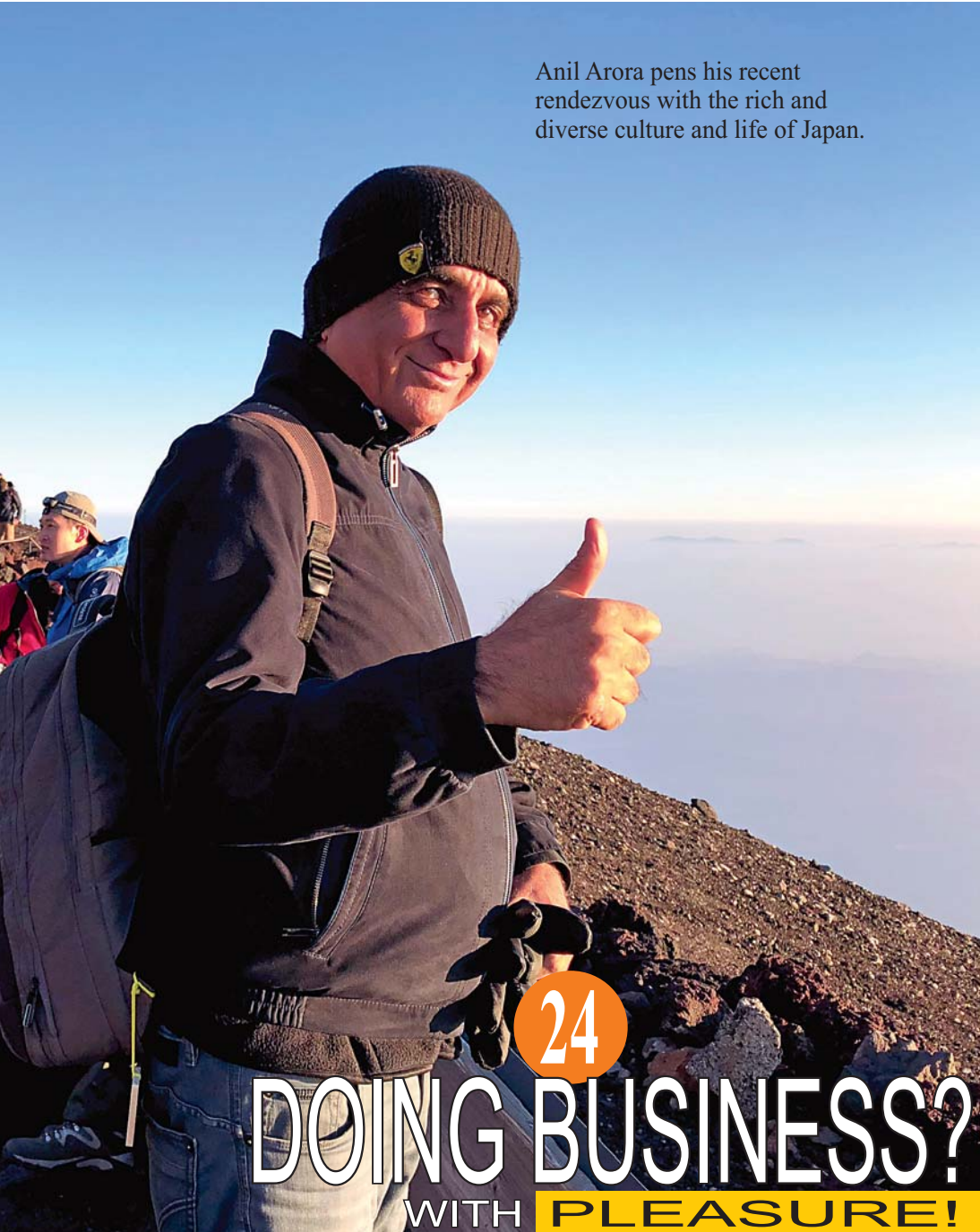
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September 2018

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Anil Arora pens his recent rendezvous with the rich and diverse culture and life of Japan.



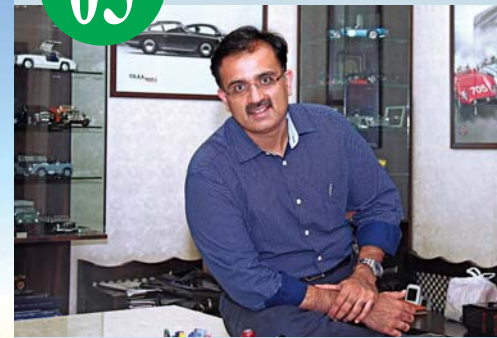
24

DOING BUSINESS?

WITH PLEASURE!

IN THIS ISSUE:

05



GO GLOBAL WITH BMPA

Faheem Agboatwala answers your queries about BMPA's support to help you expand your business to international markets.

34

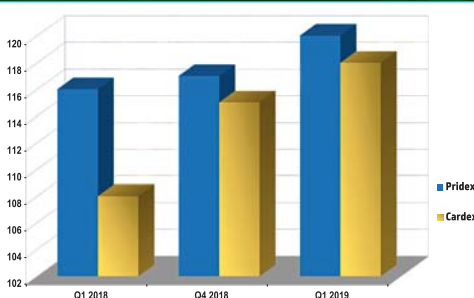
RISE TOWARDS SUSTAINABLE PACKAGING

Catering to the needs of the demands of the people and significantly stricter compliance, sustainable packaging is the new phase of the packaging industry.

38

DECODING ENERGY EFFICIENCY

Check on resource management for optimisation and reliable data collection help the production houses excel.



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 06.

THE LEGACY CONTINUES




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Copy Editor - Prashant Shah

Consultant - Shripad Kulkarni (Ascharya Creative Communications)

Design: Dhote Offset Technokrafts Pvt. Ltd.
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FROM THE PRESIDENTS' DESK

Dear Members

So long farewell, adieu, adieu; to you and you and you! That popular track from the epic *Sound of Music* lends me the right melodic background as I lay down my two-terms at the helm of BMPA.

My team members at the BMPA swear by this Mantra: *It is teamwork which makes the dream work*. I have been on the Association's Board since 2011/12 and have been able to tick and stick 'only' because of that hi-octane glue called teamwork. It has been stimulating, purposeful and motivating. The journey has been endearing, poignant and in some senses, for me alone, it has just begun.

It fuels BMPA's mission when we make the right pitch by inducting new and younger members into the team and as Office Bearers. On them, the young I mean, rightfully rides the future; that they shall lay stake on and also absorb the risks from the compelling and fluid-dynamics of a hyper-sensitive business that is – print – communications.

I take this opportunity once again to invite you, the members, to our upcoming annual networking and gala event, celebrated as High Point, on September 28, at The Club, Andheri (West) at 4.15 pm sharp. You will find that the ROTI (Returns on Time Invested) will pay rich dividends and be providential too.

We, you and me, will together cheer the team taking that torch further and flying our flag higher. We will also explore the tempo set forth by the speaker at HIP (High Point Impact) Session – Vijay Menon. He will be taking us on a journey of Transformational Leadership and Human Excellence; touching upon a gamut of thoughts that compel us, entrepreneurs, to graduate into the echelons of professionalism! Simply put Mr Menon will initiate us on a journey to 'reimagine.'

It is the AGM season at MMS too; it will be conducted on October 5, at the MMS Secretariate in Babulnath, Mumbai. Let us also remind you of the two nominations the BMPA and MMS have sent for the posts at the AIFMP. The two organisations have jointly nominated Anand Limaye and Uday Dhote for the position of President and Honorary General Secretary respectively.

Mehul A. Desai

Tushar Dhote

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CONTENTS

5 Go global with BMPA

Faheem Agboatwala answers your queries about BMPA's support to help you expand your business to international markets.

14 GST amendments and more...

A panel of consultants helps Print Bulletin from time to time to keep you up-to-date about changes about your print business.

24 Doing business? With pleasure!

An avid traveller and President of Print-Packaging.Com Anil Arora pens his recent rendezvous with the rich and diverse culture and life in Japan.

34 Rising towards sustainable packaging

Catering to the needs of the demands of the people and significantly stricter compliance, sustainable packaging is the new phase of the packaging industry.

42 Decoding energy efficiency

Check on resource management for optimisation and reliable data collection help the production houses excel.

48 Vishful Thinking

Enjoy a tongue-in-cheek presentation of the recent political news and views by our industry veteran Vishwanath Shetty of The PrintWorks.



We trekked through the night to watch the sunrise from Mt Fuji.

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Has something you've read in PRINT BULLETIN intrigued or excited you? Write in and share it with us. We would love to hear from you, we shall publish a selection of your responses in the forthcoming issues.

Email us at: ex.sec@mumbaimudraksangh.org

We welcome your emails, while reserving the right to edit them for length and clarity. By sending us your letters you permit us to publish it in the magazine. We regret that we cannot always reply personally to your emails.

Go global with BMPA

Faheem Agboatwala, Project-in-Charge of BMPA's Go Global campaign answers your questions about the Association's support to help you expand your business to international markets.

BMPA has been exploring global markets, especially Africa, for a few years. How is the latest 'Go Global' campaign and thought process different?

The earlier thought was to get our members in touch with direct buyers, easier said than done; however, in the present initiative, we are looking to partner with other print companies worldwide to try and forge partnerships not limited to mere outsourcing print orders to India but also for technical collaborations and possible joint ventures.

India is one of the few global print markets that is growing. Why do you think it is essential for the printers from India to transcend their businesses to cater to international markets?

Because India has 'English' and 'Trust' on its side.

As a nation, we are conversant with the international business language, and we are seen as fairly trustworthy. This along with the fact that we can offer the world-class print quality at reasonable rates is a winning

combination. That said, we as an industry need to work on standardisation.

What is the support BMPA will offer for the printers who plan to take their business to the international markets and those who want to expand their global footprint?

Essentially the association's job is to open doors and get interested printers together. We will provide that platform, what comes out of it is mostly dependent on the attitude and effort of the members. We are working with national associations of various countries, and with their support, we are hoping to get like-minded print companies together.

What do you expect as an Association from the members aspiring to go global or expand the global footprint?

It would be nice for our members to understand that there a vast market out there; the volumes are significant; the quality is expected, and by and large, the buyers are educated and responsible.



How do you think the campaign will help the print industry here in India? Especially the micro, small and medium printers who may not be able to enter the International markets or meet the global standards?

It is too early to say; at first, we are requesting data from our members, something we are not very good at sharing. Let's see the figures that emerge. I believe, this is a slow process but the beginning of something huge.

At the BMPA we have been actively prospecting – how can we take advantage of global shifts and preferences that are dominating and determining newer business models in a highly integrated and hyper-segmented communications' business space.

Who can participate in the process for the campaign?

BMPA's focus is straightforward, pro-business and legitimate. Apart from being fast yet flexible. All members

of BMPA, on the strength of their respective merits and without any prejudice or favour can participate in the campaign. The members must first fill out the questionnaire and send it to the BMPA Secretariat **on or before October 15, 2018**. To download the questionnaire visit <https://tinyurl.com/y8zhu8h9> or scan the QR code.

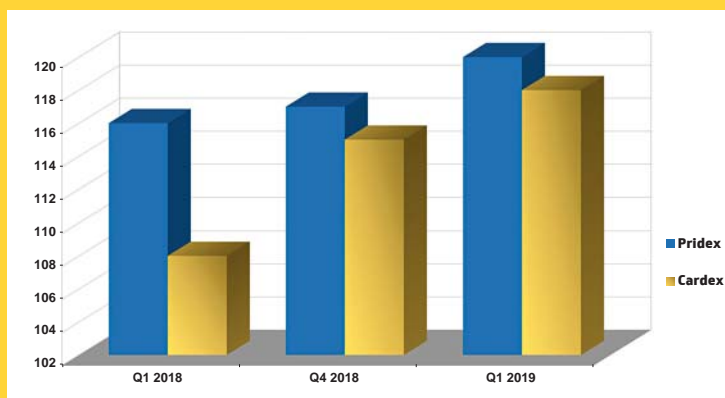
Rest assured, the data so collected will be strictly administered, used only for the set objectives of the Go Global campaign, and under no circumstance come to be misused or be commercially leveraged. After the data compilation phase, a team might visit your facility to assess and validate the information supplied.

So, your Association looks forward to wholehearted participation; feel free to write to BMPA for any further insights or call at the BMPA Secretariat on 022-24970912.



Scan me

PRIDEX AND CARDEX TO EMPOWER YOUR PRICE-NEGOTIATIONS



Pridex and Cardex are updated every quarter. Print Bulletin will update you on the trend each quarter comparing the data with the previous quarter. The two indices present a clear, scientific and straightforward trend for the input costs for your business and make it easy for you to understand the cost input for your business.

Use the data to your advantage

In an interview to Print Bulletin published in May 2018, BMPA-Managing Committee Member and the thought-leader for the Pridex and Cardex, Sanjay Patel says, "at the individual level, one would be able to justify and back the project calculations based on the indices. This will not allow much room for the customer to unfairly negotiate on the price with the printer. The customer today doesn't even accept our calculations or take them at face value. However, if the indices back the printers' estimates the customer will have to agree to the price proposed by the printers. I am not saying the indices will turn customers into fair-fairies.

They may still not give you the fair price, but they will stop doubting the costs the printers submit to them.

What are the latest trends?

As per the latest Pridex and Cardex data published by CRISIL on July 31, 2018, Cardex stands at 118 (Q1 FY2019) whereas for the same period a year ago it stood at 108. This movement translates into a year-on-year increase of 9.25%. Pridex, for the similar corresponding period, has moved up by 3.44% year-on-year from 116 (Q1 FY2018) to 120 (Q1 FY2019). FY2013-2014 is the base year for the twin indices with index value at 100.

Where is the index 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. The twin Indices are published as a legitimate means to demonstrate and justify rising costs faced by our industry. Leverage the advantages evolving from a reliable and scientific tool by CRISIL.



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LIFETIME ACHIEVEMENT AWARD

2 MARCH 2019
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Indo-Nepal printers meet at Gorakhpur



Award of Honour by FNPA Nepal for eminent Indian Printers

Master Printers' Welfare Association, Gorakhpur (MPWA) hosted the first ever Indo-Nepal Printers' Meet at Hotel Clarks Inn, Gorakhpur, Uttar Pradesh (UP). The event was attended by over 300 printers from Gorakhpur and other cities in eastern UP such as Basti, Devria, Azamgarh, Bansi, Kasya, Kushinagar, Tamkuhi, Sehjanva, Lucknow, and a few more; about 50 printers participated from the neighbouring state, Bihar. Responding to the cross-border initiative, 70 printers from different cities from Nepal participated in the Indo-Nepal Printers' Meet.

The Meet was an efforts to develop the business and to improve the bilateral relations between the printers of the two neighbouring countries. Appreciating the gesture, Madhav K C elaborated the status of printing industry in Nepal and stressed the need for mutual understanding between the printers of both the countries. He said, "maximum printing machinery in Nepal is imported from India; we are also dependent on India for other raw materials and machinery. Such joint meetings are a welcome step to further our cooperation."

"As per the available statics from Global Edge, the printed material falls in the top 10 exported items from Nepal, while it imports the printing machinery and equipment primarily from India. Thus printing industry of both the countries is complementing each other," said, Prof. Kamal Chopra, whose brainchild was the Indo-Nepal meet. He added, "I wish printers of both the countries grow and prosper, because together we can scale the new heights."

In her Key-note address Dr. TKS Lakshmi Priya, Prof. & Head Department of Printing & Technology Avinashilingam University, Coimbatore stressed the need for transformation of the industry. "Instead of simply ink on paper we must look for value addition to get more profit and to retain the customer," she said. Delivering his technical seminar Pankaj Tiwari, Assistant Processor, GJ University of Science and Technology elaborated the role of print education and announced that the GJ University

is also offering print education to foreign students. He invited the students from Nepal for education in Printing.

During the Indo-Nepal panel discussions, Dr. Lakshmi Priya offered to open a printing institute in Nepal with the support from the Government of Nepal. The printers from Nepal voiced their worries about the poor after-sales performance of some of the dealers and manufacturers of machinery. Prof. Chopra assured to take up the issue of poorly performing dealers and manufacturers from India at the apex industry organisations.

MPWA organised the Indo-Nepal Printers Meet under the guidance of the President K V Chopra and the Programme Convener Manish Chopra. The Meet was supported by TechNova, AutoPrint, Creed Engineering, and a few other industry leaders. The event was also attended by A K Sinha, former Director of Printing, Government of India; Subhash Chander, former President of AIFMP; Prof. Dr Ambrish Pandey, Chairperson of Printing Department, GJ University of Science & Technology, Hisar; Rakesh Tiwari, HOD at the Northern Regional Institute of Printing Technology, Allahabad.

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PAMEX TO GIVE A SUNNY START TO 2020 FOR PRINTERS

AIFMP's flagship international exhibition on printing and allied machinery industries – PAMEX – is scheduled to be held between January 6 and 9, 2020 at the Bombay Exhibition Centre, Mumbai.

The Indian printing industry is increasingly being driven by growth in packaging and labels. The rising demand fuels rising opportunities and therein leaves a lot of scope for new products, services and solutions. Pamex provides a global platform to these innovations and developments. On the backdrop of PAMEX 2017, which featured 350+ exhibitors, 75+ product launches, 200+

running machines & several other attractions, recording unprecedented footfall of 25223 visitors, Pamex 2020 aims to be even bigger.

Pamex 2020 will showcase the generation-next technologies from worldwide solution providers across various categories including pre-press, in-press and post-press segments. The Show will host dedicated pavilions for label and narrow web printing and presses; paper and board converting; and corrugated machinery and equipment. Flexo and gravure printing, digital presses, web offset presses, sheet fed offset presses, signage machinery and process equipment will widely be displayed at the event.

More than 100 companies have already booked their stalls at Pamex 2020; the leading companies, for example, Canon India, Konica Minolta, Ample Graphics, Condot Systems, PS Graphics, Mehta CadCam Systems, Monotech Systems, Technova Imaging Systems, Grafica Flextronica, Autoprint Machinery Manufacturers Pvt. Ltd., Hitech Systems Pte Pvt. Ltd., Alpna Visual Packaging Aids, Intec Printing Solutions and Xerox India are already on board.

The promotional activities for Pamex 2020 will be conducted all throughout the year, with the team travelling all across the world for printing, converting and several other related industry exhibitions like All-in-Print China 2018. To know more about the developments for Pamex 2020, follow event page on Facebook at <https://www.facebook.com/pamex2020/> or write to shantanu@print-packaging.com or visit www.pamex.in.



Over 350 Indian and foreign companies showcased contemporary technology and generation-next innovations at Pamex 2017 to over 25,000 visitors..

IPAMA NOMINATES AN INDUSTRY VETERAN FOR THE GLOBAL PRINT MEET

The Indian Printing Packaging & Allied Machinery Manufacturers' Association (IPAMA) has been playing a pivotal role in globally promoting the Indian Graphic Arts Industry. The Association has provided a number of office bearers and senior functionaries, on a number of occasions, to international Associations. During the meeting of Global Print Meet held in Tokyo on July 27, during IGAS 2018, S. Dayaker Reddy was nominated as the Vice President of the Global Print Meet. It is a moment of joy and pride not only for IPAMA but also for the entire Indian graphic arts industry as also the printing fraternity. An engineer by profession and a highly experienced personality in the field of manufacturing of different types of print and allied machinery, Mr Reddy is a marketing expert. After having a long association with a number of reputed Indian companies, in different capacities, Mr. Reddy established his own manufacturing units in the then Andhra Pradesh and now Telangana. Presently, he is the Chief Executive Officer at Gutenberg Machinery

Manufacturers Pvt. Ltd. and the Managing Director of Omsri Saivani Secure Print Pvt Ltd. Apart from these assignments, he is also associated with number of educational and social institutions. Mr. Reddy is the present President of Asia Print, President of IPAMA, GC Member of AIFMP, Co-ordinator for Telangana Offset Printers Association, and a Syllabus Committee Member for the Government Institute of Printing Technology.



Mr Reddy with the members of the Global Print Meet at IGAS 2018.

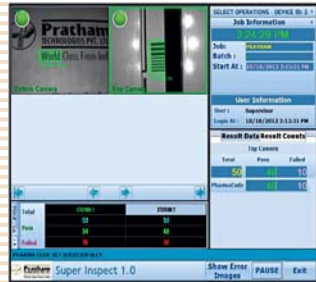
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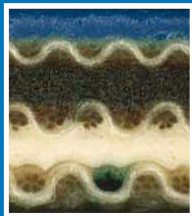


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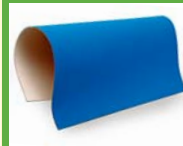
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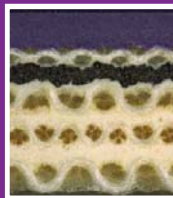
Air Excel EX 6000 WEB



Stays stable & consistent, offers longer blanket life on press through improved shock absorption, rapid recovery and better smash resistance. ThermaSphere® offers ecological improvements in our manufacturing process.

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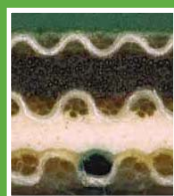
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"Poly Clean" Autowash Cloth

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- ☐ Smooth Surface
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- ☐ Lint Free

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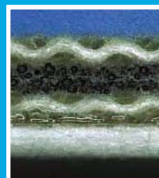
AND SYSTEMS

Air Excel TackM & J UV

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GST amendments and more...

A panel of consultants helps Print Bulletin from time to time to keep you up-to-date about changes about your print business. This time we have extensive tax updates, besides the updates from Banking sector and the Companies Act.



The supply to SEZs when made with Tax ITC on Inputs can be used and facility of refund of output tax is available for both supplier and recipient. In case of Exports, since there is no output tax, the refund of GST on Inputs and Input services is required to be given and hence having words of complete Zero rated supplies is not required and only Exports is enough. Image: VtTN on Wikipedia under CC3.0

Tax updates

Impact analysis of the CGST Act, 2007 amendments published on August 30, 2018

Original	Amended	Change-impact
Section 7 amendments		
Section 7 sub-section 1 b in the course or furtherance of business	Section 7 sub-section 1 b would be read as in the course and furtherance of business	Earlier to come under supply out of two conditions any one has to be satisfied: 1) in the course OR 2) furtherance of business. Now both the conditions are required to be satisfied as they are mutually related.
(c) the activities specified in Schedule I, made or agreed to be made without a consideration; and	(c) the activities specified in Schedule I, made or agreed to be made;	This includes similar to inward supply even out ward supply when made or agreed to be made and now consideration is not required.
CGST Act, 2017		
(d) the activities to be treated as supply of goods or supply of services as referred to in Schedule II	Omitted and New sub-section 1 A Was inserted "(1A) where certain activities or transactions constitute a supply in accordance with the provisions of sub-section (1), they shall be treated either as supply of goods or supply of services as referred to in Schedule II."	Re arrangement of clause d as New section 1 A.
Section 9(4) of CGST and Corresponding Section 5(4) of IGST Act, 2017		
Section 9 (4) of CGST and Section 5(4) of IGST Act, 2017 The central tax in respect of the supply of taxable goods or services or both by a supplier, who is not registered, to a registered person shall be paid by such person on reverse charge basis as the recipient and all the provisions of this Act shall apply to such recipient as if he is the person liable for paying the tax in relation to the supply of such goods or services or both.	Section 9 sub-section "(4) The Government may, on the recommendations of the Council, by notification, specify a class of registered persons who shall, in respect of supply of specified categories of goods or services or both received from an unregistered supplier, pay the tax on reverse charge basis as the recipient of such supply of goods or services OR both, and all the provisions of this Act shall apply to such recipient as if he is the person liable for paying the tax in relation to such supply of goods or services or both."	Currently the RCM Provisions relating to Inward supplies from unregistered Persons which had been deferred until September, 2019 is now brought in where the requirement of RCM on Inward supplies from Unregistered person is required to be notified by Government. Hence this would be a relaxing factor for smooth conduct of Businesses where only certain categories of inward supplies as notified by Central Government would be covered.

Original	Amended	Change-impact
In lieu of the tax payable by him, an amount calculated at such rate as may be prescribed, but not exceeding,...	"in lieu of the tax payable by him under sub-section (1) of section 9, an amount of tax calculated at such rate" shall be substituted;	The rates provided in Section 10 of the ACT for composition Dealers is removed where in the same could be bought through Tariff Schedule.
Section 10		
Provided that the Government may, by notification, increase the said limit of ₹50 lac rupees to such higher amount, not exceeding ₹1 crore, as may be recommended by the Council.	In the proviso, for the words "one crore rupees", the words "one crore and fifty lac rupees" shall be substituted;	The Limit of composition dealers which was earlier 50 lac extendable to 100 lac had now been made to 150 lac. Further earlier the composition scheme was applicable only for supply of goods and services is not included now.
	"Provided further that a person who opts to pay tax under clause (a) or clause (b) or clause (c) may supply services (other than those referred to in clause (b) of paragraph 6 of Schedule II), of value not exceeding 10 per cent of turnover in a State or Union territory in the preceding financial year or five lac rupees, whichever is higher.:"	Services where the same is 10% of the total contract or five lac rupees whichever is higher can also opt for Composition scheme. This will actually benefit persons in the business of works contracts. Further Small business providers can expand their business can also get benefit like the AMC services, repairs and maintenance, etc. However the persons who are dealing with these people would be in disadvantage as they cannot claim ITC.
Section 12		
Section 12 clause a (a) the date of issue of invoice by the supplier or the last date on which he is required, under sub-section (1) of section 31, to issue the invoice with respect to the supply; or	Section 12 clause a (a) the date of issue of invoice by the supplier or the last date on which he is required, under section 31, to issue the invoice with respect to the supply; or	Earlier the time and Value of supply was applied only to Tax Invoice as Section 31(1) speaks about Tax invoice Now By removing sub-section 1 the coverage of time and Value of supply is covered for all documents meaning Invoices, Bill of supply, Credit notes and Debit notes for Goods.
	In section 13 of the principal Act, in sub-section (2), the words, brackets and figure "sub-section (2) of " occurring at both the places, shall be omitted.	Similar amendment as stated above is being for Services also.
Section 16		
He has received the goods or services or both.	He has received the goods or services or both.	Earlier there was a confusion relating to Input Tax credit benefit whether to be taken by the person on whom Invoice was raised or the consignee. Now the same is cleared that the consignee even on whom Bill was not raised since he would be using or

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Original	Amended	Change-impact
Explanation: For the purposes of this clause, it shall be deemed that the registered person has received the goods where the goods are delivered by the supplier to a recipient or any other person on the direction of such registered person, whether acting as an agent or otherwise, before or during movement of goods, either by way of transfer of documents of title to goods or otherwise;	Explanation: For the purposes of this clause, it shall be deemed that the registered person has received the goods or, as the case may be, services: (i) where the goods are delivered by the supplier to a recipient or any other person on the direction of such registered person, whether acting as an agent or otherwise, before or during movement of goods, either by way of transfer of documents of title to goods or otherwise; (ii) where the services are provided by the supplier to any person on the direction of and on account of such registered person.	consuming the goods would be eligible for Input Tax credit even though his name appear in the Tax invoice as consignee. This actually clears the misunderstanding that under section 16(2) he should be in possession of Tax invoice or Debit note which should contain the consignee name as Billed person even when he has received the goods or services. In this scenario it would always be a safe bet to have the recipient name also in the Invoice.
(c) subject to the provisions of section 41, the tax charged in respect of such supply has been actually paid to the Government, either in cash or through utilisation of input tax credit admissible in respect of the said supply; and	(c) subject to the provisions of section 41 or section 43 A, the tax charged in respect of such supply has been actually paid to the Government, either in cash or through utilisation of input tax credit admissible in respect of the said supply; and	This addition is mandated as restriction of ITC is also linked to the suppliers filing of returns and Payment of tax through Section 43 A which was inserted relating to GSTR 2. In Section 43 A the ITC allowed under provisional basis is now only for missing invoices and not for Invoices which were uploaded by the supplier and action taken by recipient. Meaning not to have issues relating to mismatch of ITC in form 3B and GSTR 2 it is now said that ITC is restricted to the extent Invoices are being uploaded by supplier within the due date prescribed and action taken by the recipient like verify, Validate, Modify. However a new condition had been imposed where in the ITC relating to missing invoices for which details had been uploaded is allowed only upto 20% of ITC shown in GSTR 2A and action taken by recipient.
Section 17		
(3) The value of exempt supply under sub-section	In section 17 of the principal Act, in sub-section (3), the following explanation shall be inserted, namely:	Earlier when the Supply is exempted, the ITC is to be reversed for transactions relating to Schedule III activities. As exempted supply includes Non Taxable supplies. With this amendment the Non-GST supplies is removed from Exempt supplies for the purpose of ITC availability with restriction only for sale of Land or Building. Meaning Staff welfare expenses, which are even though part of Employment contract and falls under Schedule III, ITC can be taken. However this provision of service should have been Mandated under any other Existing law.
(2) shall be such as may be prescribed, and shall include supplies on which the recipient is liable to pay tax on reverse charge basis, transactions in securities, sale of land and, subject to clause (b) of paragraph 5 of Schedule II, sale of building.	Explanation: For the purposes of this sub-section, the expression "value of exempt supply" shall not include the value of activities or transactions specified in Schedule III, except those specified in paragraph 5 of the said Schedule.;	
Section 25		
Provided that a person having multiple business verticals in a State or Union territory shall be granted a separate registration for each business vertical, subject to such conditions as may be prescribed.	Provided that a person having multiple places of business in a State or Union territory may be granted a separate registration for each such place of business, subject to such conditions as may be prescribed.	The word Business vertical has been removed. Meaning in case the person chooses to have branches which would not come under the scope of the definition of Business vertical can still have multiple registrations in the same state.

Original	Amended	Change-impact
Section 39		
Section 39(1)	In such form and Manner is amended to In such form and Manner and within such time as may be prescribed "Provided that the Government may, on the recommendations of the Council, notify certain classes of registered persons who shall furnish return for every quarter or part thereof, subject to such conditions and safeguards as may be specified therein."	This Basically applies to returns filing for small assesses whose turnover is less than ₹5 crore where they can Opt for filing returns on quarterly basis but still required to pay tax on Monthly basis. Meaning these assesses have to file Form 3B on the monthly basis and file GSTR 1, GSTR2 on the quarterly basis.
Section 54		
Section 54(8)	In the Place of Zero Rated supplies the words export or Exports are Substituted.	Section 54 sub-section 5 the extract of which is given here under If, on receipt of any such application, the proper officer is satisfied that the whole or part of the amount claimed as refund is refundable, he may make an order accordingly and the amount so determined shall be credited to the Fund referred to in section 57. Relating to 1) zero rated supplies made without payment of tax; 2) where the credit has accumulated on account of rate of tax on inputs being higher than the rate of tax on output supplies (other than nil rated or fully exempt supplies), except supplies of goods or services or both as may be notified by the Government on the recommendations of the Council: However Section 54(8) provides for refund amount to be paid directly to assessee instead of crediting to fund maintained under Section 57 relating to various situations of which section 54(8)(a) provides for (a) refund of tax paid on zero-rated supplies of goods or services or both or on inputs or input services used in making such zero-rated supplies.
		With the amendment the term Zero rate supplies is substituted by Export/ Exports. This is because supply to SEZs when made with Tax ITC on Inputs can be used and facility of refund of output tax is available for both supplier and recipient. In case of Exports, since there is no output tax, the refund of GST on Inputs and Input services is required to be given and hence having words of complete Zero rated supplies is not required and only Exports is enough.

ITC accumulated on supplies received on or after the 1st day of August, 2018 shall be available

Earlier Notification No.5/2017-Central Tax (Rate) dated June 28, 2017 has notified the goods in respect of which no refund of unutilised input tax credit shall be allowed where the credit has accumulated on account of rate of tax on inputs being higher than the rate of tax on the output supplies of such goods.

Now, the Central Government, vide Notification No. 20/2018-Central Tax (Rate) dated July 26, 2018 and Notification No. 21/2018- Integrated Tax (Rate) dated July 26, 2018 has amended the above notification to provide that the input tax credit accumulated on supplies received on or after the 1st day of August, 2018, in respect of certain notified goods shall be available. However, the



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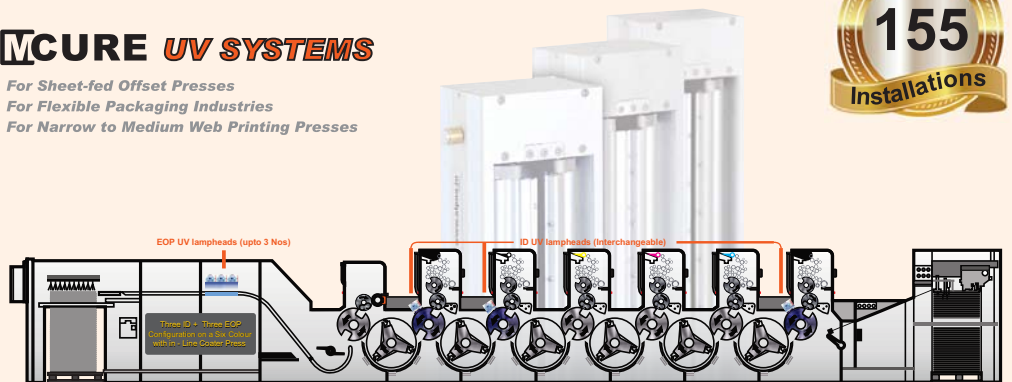


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accumulated ITC lying unutilised in Credit ledger balance for and up to the month of July, 2018, shall lapse.

Comment: Experts hold the view that section 54(3)(ii) only empowers Government to deny refund of inverted rate structure but not to lapse the credit.

Companies Act and legal

Amendment in the Companies (Registration Offices and Fees) Rules, 2014

Ministry of Corporate Affairs (MCA), Government of India, vide notification dated 21 st August, 2018, has introduced Companies (Registration Offices and Fees) Fourth Amendment Rules, 2018. They shall come into force from the date of their publication in the Official Gazette.

In the Companies (Registration Offices and Fees) Rules, 2014, in the Annexure, the following note shall be substituted: "for the current financial (2018-2019), no fee shall be chargeable till September 15, 2018 and fee of ₹5,000 shall be payable on or after September 16, 2018."

Impact: It means that no fees shall be chargeable for filing e-form DIR3 KYC before September 15, 2018; however, after September 16, 2018 a fee of ₹5,000 shall be levied.

Banking update

Line of credit by EXIM Bank

Vide Reserve Bank of India (RBI) Circular A.P. (DIR Series) No.6 dated August 30, 2018 the Exim Bank's Government of India has announced a supported Line of Credit of USD 500 million to Ecowas Bank for Investment and Development.

Exim Bank has entered into an agreement dated March 25, 2018 with Ecowas Bank for making available to the latter, a Government of India supported Line of Credit (LoC) of US\$500 million for financing various development projects in the 15 member countries of Ecowas Bank in West African region.

Under the arrangement, financing of export of eligible goods and services from India, as defined under the agreement, would be allowed subject to their being eligible for export under the Foreign Trade Policy of the Government of India and whose purchase may be agreed to be financed by the Exim Bank under this agreement.

Out of the total credit by Exim Bank under this agreement, goods and services of the value of at least 75 per cent of the contract price shall be supplied by the seller from India and the remaining 25% of goods and services may be procured by the seller for the purpose of the eligible contract from outside India.

The Agreement under the LoC is effective from July 27, 2018 and the terminal utilization period is 60 months



Earlier when the Supply is exempted, the ITC is to be reversed for transactions relating to Schedule III activities. As exempted supply includes Non Taxable supplies. With this amendment the Non-GST supplies is removed from Exempt supplies for the purpose of ITC availability with restriction only for sale of Land or Building. Meaning Staff welfare expenses, which are even though part of Employment contract and falls under Schedule III, ITC can be taken. However this provision of service should have been Mandated under any other Existing law. Image: Zondor on Wikipedia under CC3.0 with personality rights disclaimer

after the scheduled completion date of each project. The shipments under the LoC shall be declared in Export Declaration Form as per instructions issued by the Reserve Bank from time to time.

No agency commission is payable for export under the above LoC. However, if required, the exporter may use his own resources or utilize balances in his Exchange Earners' Foreign Currency Account for payment of commission in free foreign exchange. Banks may allow such remittance after realization of full eligible value of export subject to compliance with the extant instructions for payment of agency commission.

Please obtain full details of the Line of Credit from the Exim Bank's office at Centre One, Floor 21, World Trade Centre Complex, Cuffe Parade, Mumbai 400 005 or from their website www.eximbankindia.in.

Not swift but at last a stern action from RBI

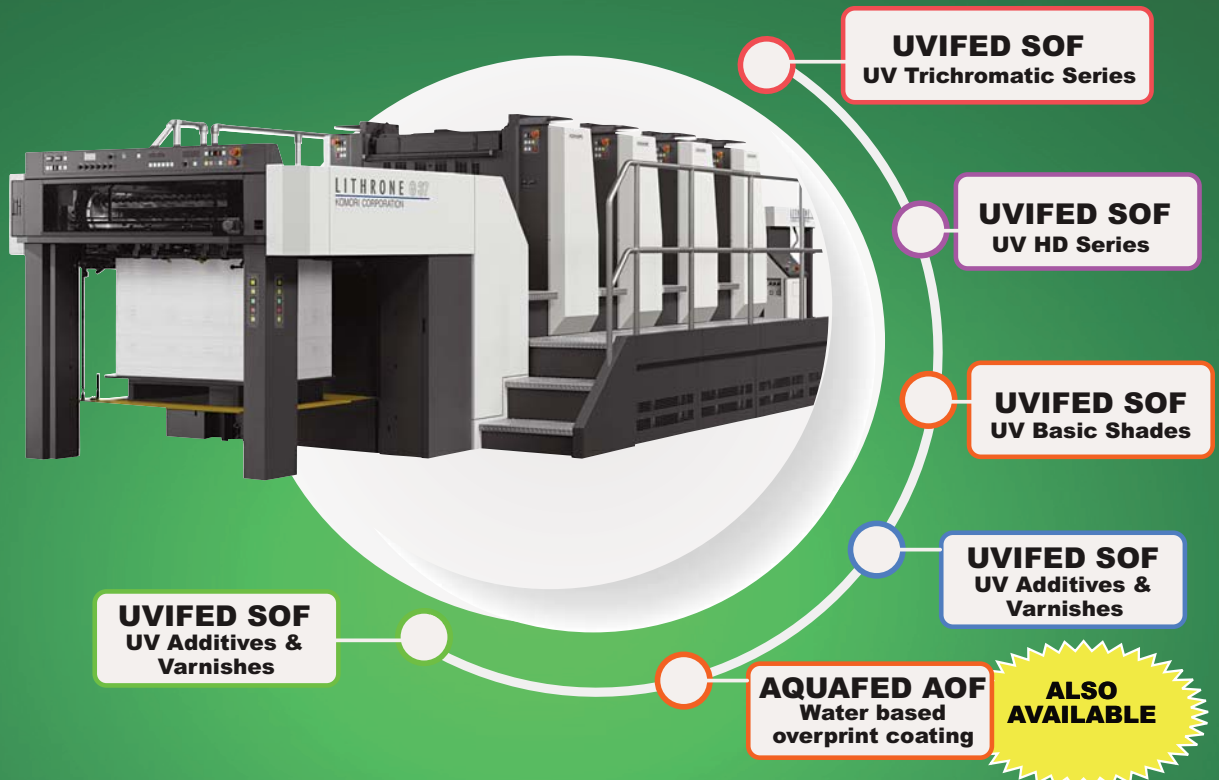
The Reserve Bank of India has been calling for a comprehensive audit of SWIFT systems in use since 2016, long before the ₹13,000 crore Punjab National Bank scam broke. But banks are yet to pay heed, and hence the regulator has reportedly issued show-cause letters to several banks.

To remind the readers, the reason the scam escaped detection for so long is that rogue bank employees had issued fraudulent Letters of Undertaking (LoU) by using the SWIFT messaging system, without recording the transactions in the bank's core banking software (CBS) - something he was supposed to do since the two systems were not integrated.

As details about the scam surfaced earlier this year, the apex bank had once again cracked the whip. In a confidential advisory to CEOs of all banks, the RBI had directed them to put in place a slew of measures to curb such frauds.

To begin with, banks were directed to immediately ensure that no SWIFT message, creating funded or non-funded exposure to banks, got sent without first ensuring that

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Exim Bank has entered into an agreement dated March 25, 2018 with Ecobank for making available to the latter, a Government of India supported Line of Credit (LoC) of US\$500 million for financing various development projects in the 15 member countries of Ecobank in West African region. Image: Willem Heerbaart on Wikipedia under CC-A2.0

the underlying transaction was duly reflected in the CBS/ accounting system.

Secondly, they were asked to implement straight-through processing between both systems. Moreover, a detailed timeline was issued to banks for implementation of 20-odd controls related to SWIFT and Nostro accounts. Some of these measures had to be implemented with immediate effect while the rest had to be put in place between March and June-end.

Other measures suggested by the RBI included putting in place a system to generate alerts on breach of any control limits as well as any other unusual feature in the transactions; auditing SWIFT/Nostro transactions for any anomaly by sourcing the data in raw form from the originating system; reconciling payment messages every one or two hours by comparing the outward messages with SWIFT confirmation; and setting limits for all corporate customers, which would be monitored centrally by bank's risk management division every week.

But now, having discovered that many banks are yet to fully implement the measures, the regulator has asked them to explain the delay. Citing bankers the daily added that the show-cause letters issued in August-end points out lapses in close to 25 banks.

Banks serving summons to defaulters through WhatsApp and emails

Indian Banks are using WhatsApp and Email to pin down those defaulters who slip through the banks grip when more traditional mode of correspondence is used. Banks are issuing court summons through WhatsApp and Email. This digital means of correspondence is being followed after a judgement earlier this year. A letter through post

can get unduly delayed and addresses keep on changing but phone numbers and Email addresses can remain constant, making these digital modes of correspondence handier to the lenders. HDFC Bank has already issued 214 court summonses through WhatsApp and Email.

Banks' share in MSME financing reducing over the years

The share of credit financed by banks to Micro, Small and Medium Enterprises (MSMEs) has declined since 2016. This share is being taken up by Non-Banking

Financial Companies (NBFCs). The share of credit financed by NBFCs to MSMEs has nearly doubled to 10%. NBFCs with their rigorous marketing and increased risk taking capacity will continue to eat the market share from banks in future as well.

Rupee is one of the best performing currencies in the past 5 years

In the current year, Indian rupee might be one of the worst performing currencies, but over the five year period it is still one of the best performing currencies against the US dollar.

Country	Currency	August 29, 2013	August 29, 2018	% Change
Russia	RUB	33.27	67.09	50%
Brazil	BRL	2.39	4.11	42%
Mexico	MXN	13.34	18.91	29%
South Africa	ZAR	10.23	14.26	28%
Canada	CAD	1.05	1.29	19%
Australia	AUD	1.12	1.36	18%
Japan	JPY	98.16	111.24	12%
Europe	EUR	0.76	0.86	12%
China	CNY	6.12	6.88	11%
India	INR	65.71	70.57	7%
Singapore	SGD	1.27	1.36	7%

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PackPlus 2018 – Surpasses All Previous Records!



A complete packaging, processing, and supply chain event, held between July 25 and 28, 2018 at Pragati Maidan, New Delhi, recorded huge success with over 400 exhibiting companies and a footfall of more than 20,000 visitors. Over the years, PackPlus has evolved to cover the segments of the end-user packaging, supply chain, flexible and carton packaging and finished packaging products was spread across ten halls of Pragati Maidan, New Delhi and saw a growth in all the sections.

Several new companies joined the PackPlus exhibitor in 2018, and the results surpassed their expectations. "We have participated in PackPlus for the first time and it has worked well for us. We have networked with more than 150 quality visitors already and many of these are soon to be converted into clients," said Vaishali Sharma from DNV Industrial Systems (P) Ltd.

PackPlus 2018 witnessed a series of business deals and sales, especially on the second and the third day of the exhibition. To name a few, Vardhman Enterprises sold its fully-automatic high speed paper cup machine to Delhi based Ginny International; Ample Graphics sold its multi function automatic box making machine to Bahadurgarh based Azure Press.

The International Packaging Conclave 2018 was held concurrently on July 27 at the Business Lounge of Pragati Maidan. The event delved deep into the implications of the new regulations on food packaging and featured panel discussions and case studies by brand owner company experts. The Conclave was attended by more than 225 brand owners, converters, raw material suppliers, packaging technologists and consultants. "The conclave has been very helpful in sharing as well as understanding how food safety is a part of packaging. We explored how coming together with other stake holders safe packaging can be achieved and what are the challenges and opportunities before us," said Mr. Barun Banerjee, Corporate Packaging Manager, Nestle India.

PackPlus 2019 is slated to be held between August 29 and 31 at Pragati Maidan, New Delhi.



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KBA merges large-format and LED-UV

Bringing together the large-format and LED-UV technologies, Koenig & Bauer demonstrates cost-efficient 4-over-4 production in the large-format offset segment.



Dirk Winkler, head of printing process technology at KBA in Radebeul, described the 13 print jobs in detail before the practical demonstration began

At the beginning of September, Koenig & Bauer (KBA) placed large-format sheetfed offset in the spotlight again in Radebeul, Germany. The latest customer event left packaging printing to one side; however, shifted the focus onto highly efficient commercial production, web-to-print, and online applications. The press on the show was an eight-colour Rapida 145 with perfecting unit for 4-over-4 production.

The highlights of this press included LED-UV dryers to enable immediate further processing, as a world premiere in large-format perfecting, a large-format reel-sheeter of the latest Quantum generation, the high production speed of 15,000 sheets/hour in perfecting mode, and the autonomous printing of multiple jobs and job sections with ErgoTronic AutoRun.

Dirk Winkler, head of printing process technology at KBA in Radebeul, took general and current demands of the print market such as fast make-ready, low waste, ultimate quality and high outputs as the starting point for his presentation of automation solutions and unique features of the Rapida sheetfed offset presses specifically for the commercial and online market. These included

the DriveTronic dedicated drive components which actually make simultaneous processes possible and thus contribute significantly to make-ready reductions. The same can be said of the CleanTronic washing systems for optimised, parallel washing processes matched to each individual application. Fast, high-performance inline measuring and control systems (QualiTronic), a broad spectrum of VariDry dryers and end-to-end digital workflows are

further key factors for extraordinarily cost-effective print processes.

Benefits of LED-UV production

Alongside the general plus points, such as the rapid further processing, improved print quality on uncoated papers, the elimination of odours and heat input into the substrate, waste and energy savings compared to other drying processes, reduced powder and coating consumption and less need for cleaning of the post-press machines, the LED-UV process offers further benefits particularly for perfector presses, for example:

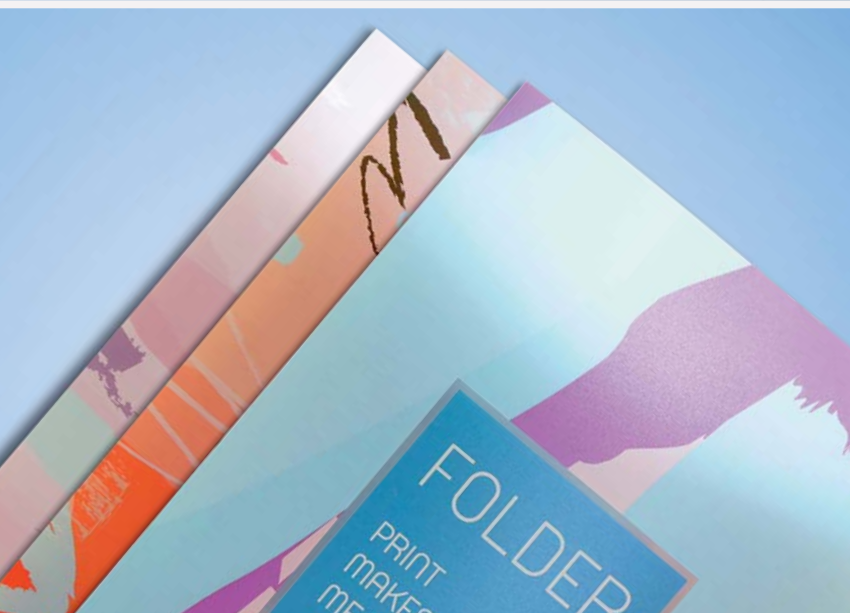
- Higher production speed
- Elimination of the intermediate dryer tower which is otherwise necessary ahead of the perfecting unit
- No danger of ink drying on the impression cylinders
- No need for special ink-repellent jackets on the impression cylinders after perfecting
- Minimised make-ready times for frequent format changes

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- Optimum inline quality control as the QualiTronic ColorControl cameras can be placed in the ideal positions to scan both sides of the sheet

The eight-colour Rapida 145 in Radebeul was fitted with two LED-UV dryers, one above the storage drum of the perfecting unit and one in the swan neck of the delivery. It was also configured with a DriveTronic feeder, the sidelay-free infeed DriveTronic SIS, and simultaneous plate changing using DriveTronic SPC and Plate Ident. CleanTronic Synchro (including CleanTronic UV) provided for parallel and thus ultra-fast washing processes.

Flying job changes in practice

The print demonstrations at the customer-event began with the production of content pages for a magazine on 80 g/m² paper. This paper was supplied on a reel and cut into sheets at the full production speed of 15,000 sheets per hour on the reel sheeter. Subsequently, the audience was able to witness fast conversion of the feeder for production using sheets from a pile, in preparation for printing of the magazine cover on 150 g/m² glossy paper.

The next jobs were three sections of a cookery book, for which the substrate was changed yet again to a 115 g/m² matt paper. The job changes between the individual sections were realised fully automatically in an AutoRun process. As a result, only 1.5 minutes passed between the last good sheet of the old job and the first good sheet of the new job. These jobs were followed by another cover on 200 g/m² glossy paper and two sections of a travel guide on 135 g/m² glossy paper.

The presentation was rounded off with a series of five jobs typically handled by an online printer. The first three were corridor-free gang formes with flyers requiring run lengths of just 300 copies each. Again making use of the AutoRun function, production was here so fast that the helper on the press had his work cut out to remove the old plates from the plate changers and to insert the new ones in time for the next change. The jobs also switched back and forth between formes with high and low ink coverages, illustrating one of the

particular strengths of an LED-UV process when printing gang formes. To conclude, two further gang formes with business and greeting cards were printed on 350 g/m² board. For these jobs, the printer disengaged three inking units at the press of a button, enabling 4/1 production to proceed with any delay for roller washing and without the need to apply roller oil in the unused units.

Live view of job data

The print demonstrations were about more than just live print production on the Rapida 145, however. On external monitors, the visitors were able to follow how press data were gathered in the production planning system LogoTronic Professional and transferred to the management information system (MIS). The LogoTronic cockpit displayed all important production parameters, and it could be seen, for example, that the net production output was still 13,000 sheets/hour despite the many job changes. All makeready times were documented and the OEE (overall equipment effectiveness) was calculated and displayed. The KBA specialists explained the JDF/JMF workflow and use of the MIS Optimus Dash in daily commercial and online print production.

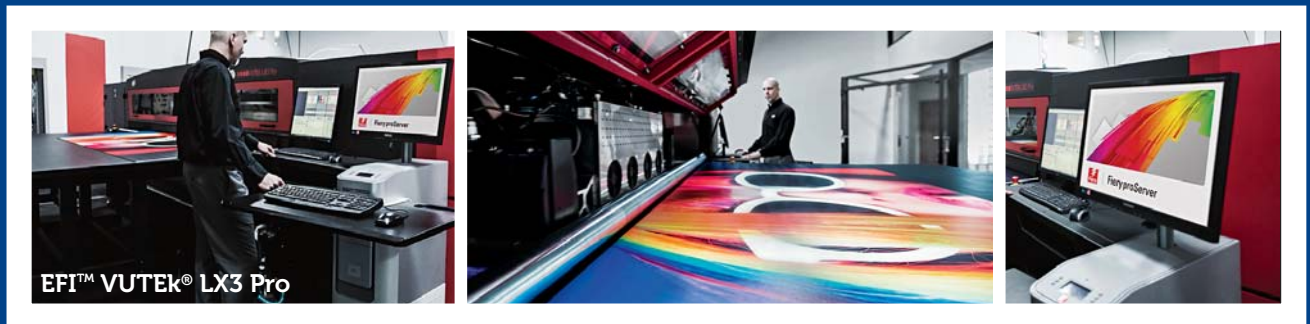
Further presentations were devoted to data-driven Connected Services, Visual PressSupport and use of the Rapida LiveApps for decentralised press operation, maintenance, inventory management and consumables tracking.

Assuming a corresponding job pool, the Rapida 145 perfecter is an ideal means of production for both long runs and jobs requiring only 250 sheets. The high production speed permits the efficient processing of long runs, while fast job changes with AutoRun enable extremely economical production when short runs are the order of the day.



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DOING BUSINESS? V

An avid traveller and President of Print-Packaging.Com Anil Arora pens his recent rendezvous with the rich and diverse culture and life in Japan.

I was a part of the team to IGAS, Tokyo to promote PAMEX 2020; I lapped up the opportunity and decided to explore Japan with my wife. It turned out to be a perfect business trip and an excellent getaway.

Even while the exhibition was on, along with the industry colleagues, we found time to explore the city and treat our taste buds to some interesting Japanese cuisine; a tofu restaurant, a gyoza restaurant, and a tempura restaurant now run by the second-generation of the family.

The taste of rich history and the future

With the arrival of my wife, Neetu, my Japanese adventure really took off. On an afternoon we happily explored the Food Show located in the basement of the Tokyu Department Store – a sprawling hall of fresh and prepared foods of all kinds from *tonkatsu*, sushi, grilled chicken, tofu products, pickles, deli salads, to a variety of bento boxes. The evening was devoted to an indulgent dinner of a very modern interpretation of traditional Japanese cuisine in a small exclusive eatery.

The next day, we checked out from the hotel, leaving our suitcases in the luggage room and carrying our backpacks. We waited in the queue for over an hour and a half to taste the crunchy, sesame-oil-fried *tempuras* over a bed of rice in an overfull bowl for twenty minutes of sheer delight at a 90-year-old eatery. Then we took train and bus

to make it to the fifth station of Mt. Fuji by the evening and started our climb by night to arrive at the summit at the break of the dawn to witness the magnificent sunrise.

After the descent from Mt. Fuji, we headed to the hotel at Yamanakakako for much-needed rest and a dip in the open air hot springs.

Back in Tokyo, the next day, a memorable experience waited for us at Inua, the new kid on the block on the ever-evolving restaurant scene in Tokyo. It is just two months old and yet has an established pedigree, being touted as the 'Japanese Noma'. Helmed by the Chef and co-founder Thomas Frebel, who spent a decade as the head of research and development at Noma, the Mecca of modern food research located in Copenhagen, Denmark. Typical Noma in the use of flowers and insects, for me, the stand out dish was the Maitake Mushroom that had been smoked and braised to give a meaty taste. The most adventurous dish was, of course, Rice and bees, with the bees providing the crispness.

Tipping the southern tip of Japan

Yaeyama islands are the south most that you can go in Japan; any further south and you would be in Taiwan. Ishigaki is one of the largest of the clutch of islands spread in the South China Sea; a 4-hour flight from Tokyo.

The island had a sparsely populated little village in the centre and pristine stretches of sandy beaches all around; we explored the island on our own and at our own pace on the bicycles. We cycled around in carefree abundance, stopping at whim, admiring the lovely cottages, sucking on ice candy of un-tasted flavours bought at the tiny village shop, lazing on the beaches and lunching at a local eatery while downing glasses of *Awamori*, a local cocktail of Okinawa prefecture, and nibbling at the pickled veggies. We made acquaintance with a Japanese man from Kobe with roots in the island, who bought us a drink of his favourite *Awamori*.

The next morning we made our way to the now familiar piers and boarded the ferry that took us to the Uehara port on Iriomote, the second biggest of the Yaeyama islands, a 40-minute ride away. Another 20 minutes of a bus ride brought us to the Urauchi river. We set off on a boat, upstream, on this fascinating river that



The overfull bowl with the crunchy, sesame-oil-fried tempuras over a bed of rice was the twenty minutes of sheer delight at the century-old eatery.

WITH PLEASURE!

would mostly flow through mangroves on either banks for the greater part of the 8-kilometre ride. It was amusing to carefully see the *Shitsukon* roots, literally meaning knee roots – for their resemblance to human knees – of the mangroves. According to the local guide, 400 types of fishes, crabs and clams inhabited the mangroves and the river.

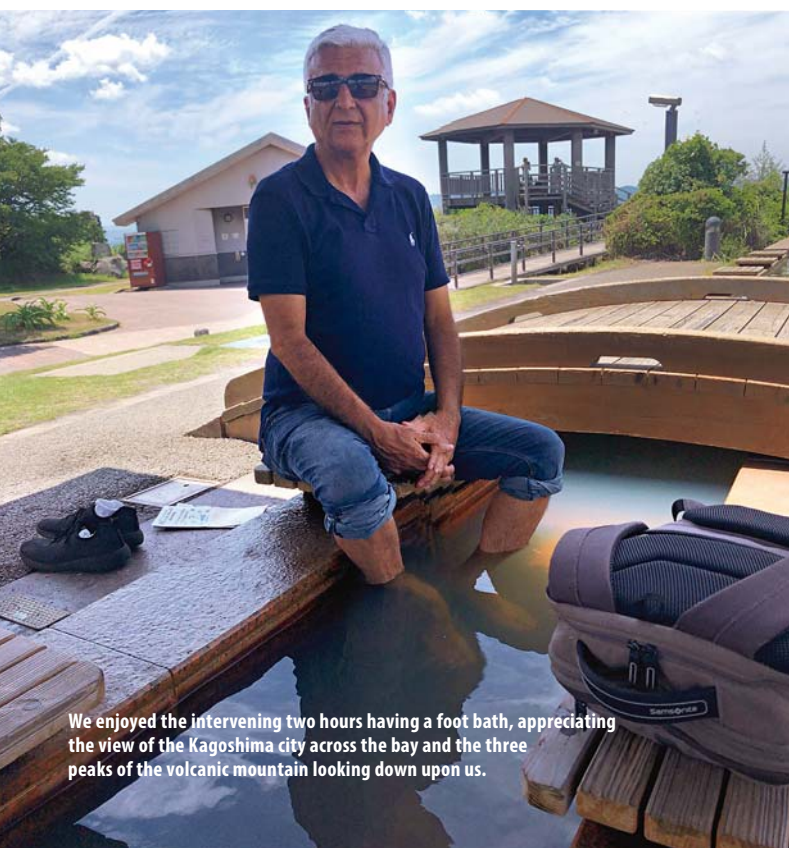
On our ride, we passed the place where once stood the village of Inaba before it was washed away in the floods of 1968 and now the woods have grown obviating any signs of the settlement. We de-boarded from the boat to begin the hike into the woods; to come across lizards and centipedes of various colours, shapes and sizes scurrying ahead of us. The 2-hour round trip past the Mariyudu and Kanbire waterfalls brought us back in time for the boat that took us back to our bus, and on to a Japanese lunch at *Kitchen Anaba*.

We stopped briefly at the Star SandBeach on the way to Mihara from where we waded through to the Yubu island ensconced in a buffalo cart with the cartman playing a stringed instrument and singing a Yaeyama folk song. We returned the same way before being transported to the Ohara port and ferried back to our favourite piers.



Rendezvous with peace, and a stir of emotions

Though not fond of monuments and museums, the Peace Park was something that we could not miss in Hiroshima. As we stood watching the bomb dome, that was once an industrial exhibition centre, we were overwhelmed with many conflicting emotions. The fragility of human existence and the ability of humans to create the best and destroy on a whim; the real possibility that this can happen again; the structure that could be an icon of hate and revenge being turned into a symbol of a desire for world peace; the ability of people to pull themselves out of an abyss and raise again and many other such thoughts crowded our mind. We wandered through the park and into the hall of remembrance. As we sat quietly in the evocative but straightforward structure, we understood how the park serves to be cathartic to the people and the nation who have risen leaving behind the deep wounds.



We enjoyed the intervening two hours having a foot bath, appreciating the view of the Kagoshima city across the bay and the three peaks of the volcanic mountain looking down upon us.

A date with volcano and the conveyor-sushi

A flight from Ishigaki to Naha brought us close to Kagoshima city. Incessant rain and the talk of an impending typhoon put paid to our plans of exploring Naha city. Another disappointment waited for us the next morning when we were denied a rented car that was central to our plans for the next two weeks because the international driving permit issued by the Mumbai RTO was not acceptable; it did not mention that it was issued under the convention of 1949. The positive of the fiasco of our car rental plan turned out to be a delight much later when we travelled by Shinkansen, the famous Japanese bullet train, to *Kumamoto*. Neetu was able to strike off one item off her bucket list.

A few hours later we were on the ferry looking wistfully at those who were rolling in their cars to cross the bay to *Sakurajima*, the most active

volcano in Japan. We reserved our seats on the coach that traverses the circumference of the Mt., stopping at observation points and other important features. While reading the English translation of the salient points in a folder that was handed over to us, we watched the peppy Japanese guide animatedly articulate the seeming awesomeness of what we were lucky to witness, to all those who could understand the language of course. We, the non-Japanese-speaking ones, were content to gaze at the green landscape and contemplate the indomitable spirit of the humankind and that of nature. The entire area was covered in several metres deep lava a little over a century ago, after the big eruption of 1914. The vegetation and the plants had slowly crept back till the entire mountains were again covered with woods, and the humans rebuilt their houses, and most of them under the active South peak refuse to leave despite warnings by the city council.

Back to the hotel in the evening, feeling indefatigable ourselves, we visited Mekkemon at the Dolphin Port on the recommendation of TripAdvisor as the best eating place in town. This sushi-restaurant has the bar style seating with the running conveyor that is continuously replenished with the freshest of the sushi-dishes by the chefs behind the table. One can pluck a plate as it passes by, or order from an English menu that you are provided. The colour of the plate denotes the price of the dish, and soon we are in competition with the customers next to us in creating a larger pile of empty plates. When you are ready to pay, the waitress comes around and runs an RFID-reader from top to the bottom of the pile of the plate, and the amount to be paid is on display! The use of technology in Japan was inspiring.

The route and the rituals

After travelling on *Shinkansen* to *Kumamoto*, our onward local train was terminated at Higo-Ozu for some reason, from where we were supposed to travel on a bus to

Aso. Our bus arrived at Aso several minutes behind schedule, and we expected to miss the connecting bus to Mt. Aso crater. However, the connecting bus had been kept waiting, and the Aso station manager hurried the disembarking commuters into the lingering coach. He even took charge of our suitcases to keep in his office to save us time to find and use the lockers.

If the drive to Mt. Aso had been scenic, the climb to the summit was nothing but spectacular. As we gained elevation, a range of mountains came into view to our east, providing a large valley-like feel to the plains stretching below. We reached the base of the Mt. *Nakadake* after a 35-minute drive from where one embarks on a rope-way to view the crater. Due to the volcanic activity, however, the rope-way was shut on the day, so we had to be content with watching the volcano throw up the smoke.

At Minamoguni, our destination for the night, we stayed in a Ryokan, the traditional Japanese inn that also has an *onsen*, a hot spring. In the typical Japanese style, the Inn expects tourists to leave their shoes at the entrance, wear the provided slip on all the time in the inn, except when in the rooms, that we must step in barefoot. Our room had the sliding double doors, *tatami* – mats made from rice straw – flooring, and the very low height table and seating, besides all the ingredients and tools necessary to make the green tea that the Japanese drink sitting at the low-table, wearing a *Yukata*, a traditional robe.

A lively, outgoing town

*Yatai*s are mobile food stalls that spring up every evening across Fukuoka underlining the fun-loving, outgoing character of this beautiful Japanese town. Each *Yatai* has the seating for about eight to 10 guests and is distinct in looks and the food it serves.

We found seats at a *Yatai* run by a mother and daughter duo who could not speak English. Neetu pointed at the

skewers of *yakitori* to indicate her order while I pointed to the plate of the Japanese guy seated next to me, who was already exchanging pleasantries. I got a dish made of Tofu and followed my neighbour to get an omelette that had as many shallots as eggs and was cooked unhurriedly over low heat.

Next, we hopped to another *Yatai* that prominently displayed a board with a hand drawn sketch of a fish, indicating its pescatarian focus and also had an English-speaking worker. After a grilled fish and a Tempura for me and a grilled *sausage* for Neetu, we were wandering back to our hotel pleasantly high on Sake and the lively Fukuoka. We have people around us having a good time; three girls rehearsing their dance moves on the walkway, and we ran



If you have been to Fukuoka and not eaten in a *Yatai*, have you even been to Fukuoka?

into a wine bar owner couple, whom we had met in the evening, returning home on their bicycles.

An adventure and spirituality to behold

A Shinkansen ride brought us to Hiroshima where we visited the peace park before taking the ferry ride to Miyajima, an island on the west of the city.

On the island, we spent our first evening appreciating the famous torii gate of the *Itsukushima* shrine, followed by the elaborate traditional Japanese dinner at the beautiful traditional inn where we were staying. Next morning we packed some fruits and juices on our climb the Mt. Misen. What we thought would be an easy hike, turned out to be quite a gruelling climb due to the hot and humid weather on the day. Also, the fact that we inadvertently took the steeper route that had steps all the way for the 3-kilometre or over 500 metres of elevation made the climb fatiguing. Associated with *Kobo Daishi*, the most revered Japanese monk, the mountain provides the breath-taking vantage view of the Hiroshima city. We also visited the *Reikado*, the hall of spiritual flame; the flame has been continuously burning since it was lit by *Kobo Daishi* some 1,200 years ago. It is this flame that lit the Flame of Peace at the Hiroshima Peace Park.

Mt. Koya or *Koyasa*, our next destination, is the centre of Shingon Buddhism, a sect that was introduced to Japan in the ninth century by *Kobo Daishi*. It is also the site of his mausoleum and an important pilgrimage place. The quaint little town has over one hundred temples, many of those offer an overnight stay. Here you can closely see a monk's lifestyle, eating the monks' vegetarian cuisine, and attending the evening meditation session and the morning prayers. The logistics of reaching our temple-stay was an adventure in itself. We took a ferry to *Miyajimaguchi* to leave the island and a train to reach Hiroshima station to retrieve our luggage; a *Shinkansen* brought us to *Shin Osaka*; another train ride to *Namba*, transferring to *Hashimoto* and then *Gokurakubashi* that brings us to the foot of Mt. Koya that we must reach by a cable car; followed by a short bus ride that eventually brings us to this beautifully landscaped divine place that would be our home for one night.

In the morning, we did a round of the town, where we offered our prayers at the *Kongobuji* main temple that controls over 4,000 temples of *Shingon* sect all over the world. We walked to the *Danjo Garan* complex where Kobo Daishi had built the first temple before we visited the mausoleum where the holy man is said to be in eternal meditation. The 2-kilometre path leading up to the main complex is lined with towering cedar trees and



Japanese food is all about simple ingredients, fresh flavours and immaculate presentation.

over 2,00,000 graves and memorials of feudal lords and other historical figures. Among these structures is also a well that people peep into and are relieved to see their reflection because it is believed that one whose reflection is not seen would die within three years!

Kyoto: the rewarding food-hub

Kyoto is the best city to explore Japanese food; immediately after landing in the town, we took a cab to a century-old eatery in downtown Kyoto, said to serve the best Soba noodles only to find it closed for the day. The next place that served the best *Gyozas* had remained closed on the day for some reason. Disappointed and hungry, we stepped into the first Gyoza-restaurant we found on the way and had an untraditional Gyoza stuffed with beefsteak leaves, chicken and cabbage. Beefsteak leaves are like large mint leaves, also known as *Shiso* leaves; they have nothing to do with the cow. Later we entered an attractive tempura restaurant and sat right in front of the fryer with the copper hood. It was only later that we learned how lucky we were to get the coveted seats without reservation in the most sought-after The Tempura Endo. We enjoyed the several courses of a

very contemporary interpretation of the traditional cuisine that included some non-tempura dishes.

Next morning, we were headed for the fourteenth century *Tenryu-ji* temple that houses the beautifully landscaped garden with a central pond and rock formations in the original shape created about 600 years ago. It is also adjacent to the dense bamboo groves and water bodies that attract droves of tourists. Scores of beautiful cafes, little eateries and restaurants have sprung up that makes it a very lively area; however, our target was the Shigetsu restaurant housed in the temple complex and run by the monks. It serves *Shojin Ryori* or the Zen vegetarian

My itinerary

Tokyo: Mt. Fuji, Yamanaka; Tokyo: Yaeyama Islands; Kagoshima: Mt. Aso, Kurokawa; Fukuoka; Hiroshima; Miyajima; Koyasan; Kyoto: Gifu; Shirakawa-go; Takayama; Nakatsugawa; Matsumoto; Kamikochi; Tokyo to Mumbai



With Chef Thomas Frebel and the Inua Team.

cuisine. Zen regards cooking and eating as a spiritual practice; it manifests in a cuisine that harmonises with Buddhist ideals, creating satisfying, nourishing meals from fresh seasonal vegetables, herbs, and wild plants while depriving no animals of life. We sat on the tatami-matted floor on the low tables and felt overwhelmed by the colours, flavours and taste of one of the best meals we have ever had, even as the picture of the fiery-eyed monk looked down upon us. We learnt later that the image was of *Bodhidharma*, the Indian Zen monk who had taken the Buddhist teachings to China in the sixth century.

And yes, in Kyoto we finally laid our hands on the rented car with my updated driving credentials. This car would take us places in the rest of the trip to Japan.

Fishing for the boats in Gifu

Gifu is famous for its traditional fishing method *Ukai* or cormorant fishing. Fisher folks use the trained cormorants to catch the fish during the fishing season between May and mid-October. The fishing is done at night with the flames of the blazing fire to lure the startled fish to the surface. The leashed cormorants catch the birds but are unable to swallow them due to the leashes, and the fisher folks retrieve the fish. The entire operation is quite a spectacle that has, for centuries, attracted the rulers, the noblemen, the haiku poets, and even Charlie Chaplin – who had reportedly visited Gifu on more than one occasion. Needless to say, we were at Gifu to witness and experience the drama and the excitement of *Ukai*.

Armed with more food than what we could eat and ample stock of wine and Sake we joined a boat of friendly and boisterous Japanese people. The boat was rowed up a little distance upstream where it stood lined up with several others. While we ate and drank the atmosphere suddenly filled up with very melodious music, as a raft floated by with several dancing *geishas*. This was soon followed by the fireworks and then came the five boats, one by one, with the flaming lanterns and the master fisher folks handling the birds on a leash and egging them

on with loud cries and the cheering of the crowd as a bird dived in to get the fish. The boats came back once again, this time sailing together rather majestically in a row and signalling the end of the spectacular show.

The splice of tradition and modern Japan

As we drove out of Gifu into the remote mountains of Toyama prefecture towards *Shirakawa-go*, we were looking forward to some curve-hugging mountain driving on the hairpin bent roads. The Japanese have built a flat and fast expressway, tunnelling the rows of mountains; the longest of the many tunnels on the route was 11 kilometre.

Traversing the tunnels, we arrived in the picturesque village famous for its traditional farmhouses with steep, thatched roofs. *Gassho-zukuri* as these are called after their resemblance to the hands of Buddhist monks pressed together while praying. These houses are typically two stories, and the attic is used for cultivating silkworms.

We roamed the area before moving on to Takayama, our next stop. Takayama has a beautifully preserved old town. We had dinner at an eatery near the hotel where Neetu got to have a cook-yourself-on-your-table chicken and a vegetable dish. The next morning we took a walk of the old town and the pretty *Sannomachi Street* that has many old homes, shops, coffee houses and sake breweries. The centuries-old Sake breweries are easily recognisable with *sugidama*, large balls made of cedar branches, hanging over the entrance and traditional sake barrels showcased out in the front.

Next day, we stayed at *Nakatsugawa*, a small town near *Magome*. We drove to the *Ena gorge* in the evening and spent some time in this quaint place, not very popular with the tourists as it has not accessible by public transport. The favourite Magome-Tsumago hike in the Kiso Valley was our target for the next morning. The 8-kilometre trail is an easy walk, mostly on paved lanes and with clear signs. This used to be the part of the



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Imperial route from Tokyo to Kyoto in the *Edo* era. It has been meticulously reconstructed and maintained.

Along the trail, we saw several shops selling baskets, wicker ware, farmer's hats, handicrafts, and souvenirs besides

the wood and plastered houses with little, landscaped gardens or just a clutch of flowering pots in the front. Soon, we were on the outskirts of the village, and the fields gave way to the woods. We saw a watermill and some large bells, with signs exhorting the hikers to ring them loudly to keep away the bears. We dutifully followed and tolled the bell! The path gently ascended up to the Magome pass and then started the descent towards Tsumago. Here we saw a hut of the local man offered the passing hikers free tea. He also sang us a *Kiso* folk song and offered to lend us an umbrella, that we could

The 8-kilometre Magome-Tsumago trail in the Kiso Valley is an easy walk, mostly on paved lanes and with clear signs. It used to be the part of the Imperial route from Tokyo to Kyoto in the *Edo* era; it has been meticulously reconstructed and maintained.



deposit at the bus stand in Tsumago. We halted at the twin waterfalls on the way and reached Tsumago in time for lunch at a small eatery run by two women who spoke no English. We took a bus back to Magome.

Meet the mountains

In Matsumoto, we explored the wasabi plantations and the factory, and the magnificent *Matsumoto castle*. The castle is known for its camouflaged fourth floor. The next day we took the 25-kilometre drive from Matsumoto to reach the entry point of *Kamikochi*. A hill station that offers the most spectacular mountain scenery in Japan! Private vehicles are not allowed in *Kamikochi*, so we took the eco-friendly coach. Located on the 15 sq. km plateau in the Azusa River valley surrounded by tall mountains *Kamikochi* has well-maintained tracks on either side of the meandering river, and bridges that interconnect the trails for the long but gentle walks. There are also the hiking trails into the mountains.

We walked from the *Kamakochi* bus stand towards the Imperial Hotel, across the *Tashiro* bridge turning around towards the *Kappa* bridge, where we took a brief break before walking to the very scenic *Myojin* pond that also houses the *Hotaka Shrine*. We created our own pebble pyramids to add to the scores that dotted the stony beach on the way and picnicked sitting on a mound before crossing the *Miyajin* bridge and returning to the bus stand to catch the 4 o' clock bus back to our car parked outside the hill-town.

Sayonara Japan

We started the last day of our 25-day-long adventure with a visit to the Tsukiji Fish Market in Tokyo. Best known as one of the world's largest fish markets, handling over 2,000 tonnes of marine products per day, we restricted our visit to the Outer Market that consists of blocks of small retail shops and restaurants crowded along the narrow by lanes. Here you can find fresh seafood and produce for sale in smaller-than-wholesale portions, besides the kitchen tools such as the famous Japanese knives. We bought a pair of bats that are used for grating wasabi and radish, more as souvenirs, before embarking on a flight to India.



The entire area of Sakurajima was covered in several metres deep lava a little over a century ago, after the big eruption of 1914, now covered with lush green vegetation.



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PAMEX AT IGAS'18

The International Graphic Arts Show (IGAS), held between July 26 and 31 in Tokyo, Japan, is a comprehensive international trade show on print media. IGAS showcases the latest products, the technology and the services related to printing, book-binding, paper converting, packaging, digital graphics and digital communications.

This edition of IGAS had the PAMEX' presence with a dedicated booth at the event. Team PAMEX including Tushar Dhote, Chairperson, PAMEX 2020; ASMG Ashokan, President, AIFMP,



Shantanu Baraskar, Manager Print-Packaging.com, Mr Satomi, Mr Dhote, Mr Arora, Mr Hirotsune

and Anil Arora, President, Print-Packaging.ComPrivate Limited were all out to meet the participants at IGAS, informing and inviting them to PAMEX 2020, scheduled to be held in January 2020 at the Bombay Exhibition Centre, Mumbai.

The IGAS-exhibitors had a very warm and positive approach towards the Indian market and showed interest in PAMEX 2020. To name a few, Yasuto Sato from Uchida YOKO Global Ltd, Masae Onishi from Intertek Co. Ltd, Masato Takahashi from Yoshino Machinery Co. Limited., Yoshihiro Hashimoto from Sanwa Mfg. Co. Ltd., Karin Paldanius from Schmid Rhyner AG, Yasumits Takayangi from Fujiyuatsu Seiki Co. Ltd. showed keen interest in knowing ore about PAMEX 2020. Mr Dhote and Mr Arora along with the team PAMEX had a one-to-one interaction with Japan Printing Machinery Association (JPMA) officials. Kazuo Satomi, Executive Managing Director, JPMA; Takeshi Hirotsune, General Manager, JPMA that focused on making the association stronger. Mr Satomi and Mr Hirotsune were very optimistic towards taking the JPMA-AIFMP association for PAMEX to the next level and bring more Japanese companies to PAMEX 2020.

MMS CELEBRATES TEACHERS' DAY

On September 5, 2018, Managing Committee members of MMS visited Government Institute of Printing Technology (GIPT), Mumbai to express gratitude towards the teachers who educate and train professionals for the printing and packaging industry. Manisha Deshpande, Principal, GIPT, and the all the staff members of GIPT were felicitated by MMS. Tushar Dhote, President MMS, Anand Limaye, Senior Advisory Member and Past President; and Medha Virkar, Immediate Past President visited the Institute.



Manisha Deshpande, Principal, GIPT, and the all the staff members of GIPT were felicitated by MMS.

Mr Dhote explained in detail the academic initiatives by MMS, for example, programmes for educating printers including the Knowledge Sharing Workshops, the promotion of printing technology as a career choice, the industrial visits for students. He assured all the possible co-operation from the industry to enhance the academic activities at the Institute and offer employment opportunities for the students. "We would also be happy to welcome and accommodate the willing GIPT students in MMS' Knowledge Sharing Workshops conducted from time-to-time at the MMS Training Centre in Babulnath," he also added, "On behalf of my company, let me assure you that we are willing to conduct a three-day session on colour management for GIPT students and teachers at Dhote Offset Technokrafts Pvt. Ltd."

Mrs. Virkar, while interacting with the gathering, discussed various aspects of design and colour correction technologies. She added, "it is important to regularly upgrade the curriculum at GIPT in consultation with the industry to deliver the latest knowledge and ensure better employability of the students." Mr Limaye explained the significance of the basic concepts to be taught at the institute as well as how communication is important for the diploma holders.

Mrs. Deshpande shared the current activities and the development in different areas of the institute with the gathering, and thanked MMS for the support.



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Rising towards sustainable packaging

Catering to the needs of the demands of the people and significantly stricter compliance, sustainable packaging is the new phase of the packaging industry.



Packaging companies should set their packaging designs well, use environment-friendly products and focus on the value added to the brand and not just the cost. Image: VFS Digital Design via Flickr under CC-BY 2.0 Free downloaded from <https://www.flickr.com/photos/vfsdigitaldesign/5396609002>. Published by Vancouver Film School on Flickr

a thought to sustainability. The future is at stake with vast amounts of waste floating in the seas and piling up in the dumping yards at present. Packaging with non-degradable goods is at times cheaper, but the consequences turn out to be expensive. This picture is the directive force that has driven all our senses into action, previously that was in slumber. This is when the paper and paperboard-based packaging companies can make the most of the opportunity and change their packaging and designing styles to further push the boundaries of

It is a daily deal to unwrap some biscuit packets or chips or at times an online good in a bubble wrap in brown boxes or something else. Here, do we think or care about what happens to the wrapper or the packet? Everyday products like essential commodities, food items to high-value luxury goods and mechanical products good packaging is a definite check. Moreover, it would be wise to say that sustainability is the force of action behind the use and reuse of the packaging of these commodities. For ages we have been experiencing a shift; from traditional packaging to the contemporary sustainable packaging. Keeping up with the needs of the consumers, what role does sustainable packaging perform or should perform? Besides catering to the needs of the consumers, we must understand that the client and the end-use consumer must trust and believe in the promise of sustainability.

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Today we are increasingly demanding environmentally friendly products and a nation as a whole is giving

sustainability for the brand owners.

Coming to the basics, there are different roles that packaging performs. Some of the functions are: preserving the product, maintaining the brand image, the usage of the product, directions to use and much more. Now handling these responsibilities with care and still being able to make your product reusable is a top-notch combination if you succeed; we as printers can collaborate with the brand owners and designers to present ideas to improve product packaging by adding the value, including sustainability. We are experienced enough with our materials to add value to the ideas from brand owners: use of water-based inks and varnishes would enhance the sustainability of packaging; the use of the Forest Stewardship Council or FSC-approved paper; or as necessary as designing the product packaging such that it can serve a purpose beyond being just the packaging. The prominent message that is subtly projected here is that sustainability should be the agenda and the call for opportunities for every packaging company.

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Whether it is designing, packaging or presenting the product, every bit and every criterion are counted. From all these principles we now come to a simple question, what is sustainability? For the packaging industry, sustainability is making the packaging more environment-friendly by reducing waste, recyclable and an excellent alternative to other non-recyclable materials.

Connecting both the ends: the client companies and the end-use consumers

The life of a particular packaging or wrap starts with protecting the commodity until it reaches the end-user, tearing apart for use, and throwing it away. The duration to impress the consumer is limited only to this three-stage cycle. Although we see, utmost care is taken to preserve the hidden gem for the longest time. Especially in the case of perishable goods like food items, along with storage criteria, the safe packaging is mandatory. In order to maintain the durability of the product, along with good packaging, sustainable packaging should be on the rim of the bucket list of all the companies.

Previously when this concept was introduced, people were a bit reluctant to pay relatively higher prices for recyclable or sustainable commodities. However, through the years, they have responded towards the efforts that go into making the product and packaging

sustainable and are willing to pay above the average margin for these goods. On the other hand, the brand owners and designers also understand that sustainability is not just about the materials used but also the way the product and the processes are designed.

The thought process for sustainability flows through the government policies, the retailers, the logistics, the packaging designers and converters, and finally the consumers. Exactly like a food-chain, every person's decision depends on the other. The government forms policies, logistics focuses on weight and cost reductions, and the packaging companies are expected to coordinate with the retailers and design accordingly that would suit the best for the consumer and environment as well. While we are as packaging converters under tremendous pressure in this thought and manufacturing process, it offers us immense power and opportunity to add value – to brand owners and to our business as well – with our expertise.

Brink of the dawn

In the developing countries like India, the sustainability is slow, but it is increasingly gathering pace. The brand-owners are focusing on sustainability to create distinction for their brands. However, one should remember that a particular material like paper or cardboard opposite to a plastic commodity does not always prove that paper and cardboard are sustainable products. The product development process needs to go through scrutiny in the case of packaging, like any other product for that matter, before they have been used as sustainable alternatives. They should go beyond the conventional concepts of pricing and gains in value chains. Their first step towards sustainable packaging can start from good designing using recyclable materials in the boundaries of safe and precise packaging.

In conclusion, we can safely say, multiple aspects go into the making of a particular product. Wise producers and brand makers should accordingly consider these mechanisms to make their products noticeable among consumer preferences.

In the true sense, sustainability is absolutely the modern face of the print and packaging industry, preferably, any industry in India or elsewhere in the world. Instead, it is the on-going process in this field, where the productivity of a product along with its presentation together matter the most. It is assumed that the person keeps in mind the final consumer during his journey of brand projection because finally, that is the goal. Packaging companies need to become a viable medium between the brand and the consumers. They should be aware of the impact of their packaging and offer feasible solutions through their products. Similarly, cooperation from the consumers will help both the ends build a sustainable environment.



Sustainable packaging should be the agenda for every packaging industry.
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Energy efficiency: the making of the molecule

The constant check on resource management for its maximisation and reliable data collection can help the production houses excel in a better way; let us learn from the Irish print industry.



One shall try to fit into the circle of energy efficiency and transform their processes into more environmentally friendly reforms.
Image: SweetMellowChill on Pixabay under CC-0 at <https://pixabay.com/en/printing-house-buffer-vintage-ink-3391580/>

Keeping track of the latest lifestyle, our mobile phones are updated continuously, including the humongous range of apps intriguing our taste buds. Constant revival and innovation are seen in the features they provide and accordingly our choice of these gadgets. This same concept is applied to other industries and sectors in our country.

Especially our print and packaging industry that plays a significant role in almost every industry sector, changes in new techniques and tapping new technologies is the need of the hour. Adopting new ways and methods for a better print and packaging experience is essential. According to *Resource Efficiency: in The Irish Print and Packaging Sector*, a joint report published by EPA Green Business and The Print and Packaging Forum, many Irish firms and production houses worked efficiently in maximising the resources and delivering a quality product.

According to the Packaging Industry Association of India (PIAI), the Indian packaging sector is one of the fastest growing segments maybe because it has its presence in almost every industry. Along with being a

thriving industry, care should be taken regarding environmental sustainability which is highlighted in the Irish research report.

Building a better future

The way we switch off the lights of a vacated room saving energy at our homes, precisely the same is expected on a higher scale for print and packaging industry.

Optimising the resources to the fullest is what is expected from production houses. This not only leads to energy efficiency but a responsible approach towards resource management.

Now, imbibing the culture of extensive research and data collection followed by data analysis should be executed in every print and packaging unit. Many vital issues that are often neglected can be resolved if data regarding the raw materials, water and waste management of these industries is carried out systematically. The mention of proper guidelines to be followed by the organisation and especially the employees, such as developing and abiding by 'best practices' towards saving of material and available resources would lead to a positive changeover required.

Modern India has adopted various changes and trails and has been inclusive of many environment-friendly reforms. One such improvement is 'go green.' It is the new face for modern print-packaging that is undoubtedly offering companies an edge in competitiveness and profitability.

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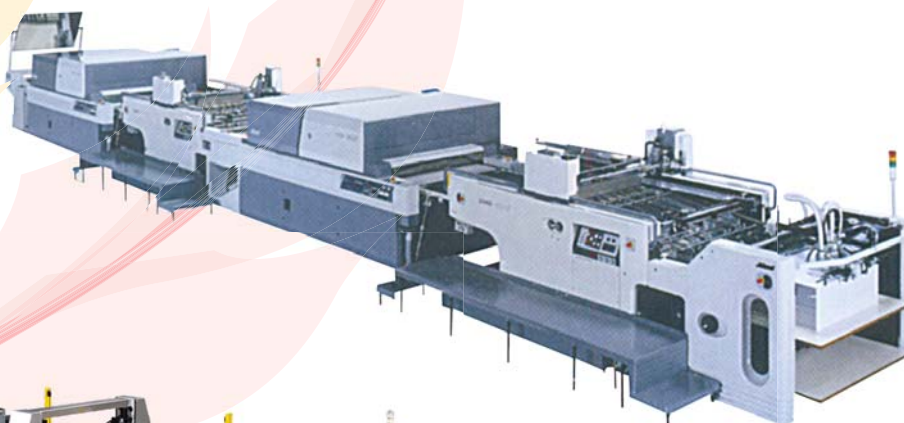


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Constant data collection may help the print and packaging sector to keep track of their progress. Image: Free download from <https://www.pexels.com/photo/custom-t-shirt-custom-t-shirts-custom-tees-ink-300884/>

Different blocks make one cube

Planning of the energy efficiency programme comprises of different stages; each stage is responsible for the smooth functioning of the planned activity. It all begins with the management committee of the planning programme, followed by the business committee. To run this programme in a better manner, one should keep track of the assessment of their workflow. However, bringing constant changes in the work method can break the monotonous schedule and eventually things can catch up speed. These ideas can be executed when the staff undergoes continuous training programmes that will help them improve their work efficiency. The action committee implements these programmes along with constant reviewing of the progress to keep up with the statistics, and this cycle repeats again and again. It is important to note that people are the main drivers of a successful resource efficiency programme.

Keep a constant watch, analyse and adapt

The main thread that binds the expectations and the desired reality is having up-to-date information, a regular check on resource management and reliable data. Print and packaging sector can flourish and be inclusive to transformation when they have statistical data that would compare the present situation and the expected outcome. This would bridge the gap between the two endpoints.

The final aim of the whole process is the optimum use of all the

resources and reusing until its last bit of consumption.

This would not only retrain the wastage of excessive good quality material but would also save the additional cost of the required material. The Irish research explicitly focuses on the issues related to the wrong consumption of assets.

Elements of an energy efficient business

Now how do we make it more environment-friendly?

The act of shifting to the more suitable alternatives, for example, replacing conventional inks with water-based, UV-cured inks or opting for reusable plates is a good switch for the printing and packaging industry. Here, we need to have accurate and full-fledged research along with reliable data to have better solutions and striking revolutions in this field.

In production houses, the electricity is the highest consumption activity running through various forms like ventilation, printing machinery, lighting, air conditioning, or the allied devices such as different pumps, compressors, and motors. This consumption

can be reduced with the low-cost method, primarily by installing energy efficient lighting and other better facilities that can accelerate the process, leading to the minimal use of energy resources. Measures, like switching of the energy supply when not-required or investing in automated energy management technology, can help. Moreover, using high-efficiency motors can boost cost savings and reduce carbon footprints. Machinery like compressors, where air pressures are set high and the air

Chesapeake Pharmaceutical & Healthcare Packaging Westport: €140,000 potential savings were identified through a range of resource efficiency measures including the reuse of plates. Source: www.greenbusiness.ie and *Resource Efficiency: in The Irish Print and Packaging Sector*.

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conditioners can be set to the more optimal, application-specific settings to avoid excessive power consumption; alternatives are always on the list to resolve these issues.

Water that contributes a significant chunk of the production process is also a part of any energy efficiency programme. For machinery cleaning and washing, water can be effectively used by reusing the portion of fresh water after rinsing that is anyway thrown after the initial wash. Storage tanks can be set-up to collect this rinsed water and can be transported within the industry.

Process	Suggested actions
Plate reuse	Introduce a dual system that allows simpler plates for repeat jobs to be kept for reuse, where the risk of faults is minimal and the other places for recycling.
Ink reuse	Set up an excellent ink-management system with bar-coded stock control and a responsible ink-manager. Any left-over ink should be scraped back into the tin or into the primary tank dispenser. Excess spot inks should be stored for reused and bar-coded to assist tracking. Consider re-blending waste inks; investing in colourimetric spectrophotometry to enable re-blending of opened ink tubs for reusable spec and colour.
Bookbinders and the adhesives	Where adhesive fluids are applied by roller, allow the reservoir to run to its lowest level and minimise top up before time-related change-overs, as the adhesive goes off with time.
Preventive maintenance and clean down	Schedule print-runs to reduce the need for cleaning and the wastage related to start-ups. Clean as you go – use spray bottles and cleaning solutions that penetrate and remove inks from screens, rollers and plates. Dispense solvents in an accountable and controlled way, i.e., through measured amounts. Consider investing in a solvent recycling and distillation unit. This will allow solvent from press wash-down to be cleaned and reused. Depending on the solvent use and the size of the distilling unit, the investment may be repaid within a year. Where possible, send wipes off-site for cleaning and return for reuse.
Packaging	Where possible, obtain materials from suppliers in returnable and reusable containers. Reuse cardboard packaging from suppliers for on-site storage or outgoing final product packaging wherever possible. Minimise the use of pallet wrap; for example, using a semi-automated turntable wrapper to optimise roping overlap.

Process	Suggested actions
	Investigate the possibilities of printing directly onto product boxes, using a laser printer for example, rather than onto additional labels.
Plate-making and production planning associated	Invest in or make the most of your computer-to-plate or computer-to-screen technology to achieve better savings with water, effluents, chemicals, film and aluminium. Optimise your production planning to reduce wastage by: making use of print estimator tools; calculating the optimum production method for the finished spec; using software (e.g., METRICS Imposition) that optimises layout of single job on plate; gang printing of more than one job at a time and making use of software to streamline job groupings, i.e., ganging.
Substrate choice and handling	Periodically review storage, package and handling; ensure the first-in-first-out policy implementation. Do not automatically discard the top and the bottom layers of the stack. On the web, optimise use as close to the end of the roll as possible: identify where the creasing risk starts. Alternatively, consider installing/adjusting a laser sensor to allow the core to be run down further than the current set up.
Make-ready	Do not merely rely on press manufacturer's settings or the 'last equivalent job', for example, ink key settings and registration. On repeat/equivalent jobs, use historical data from the press to give better averages, e.g., PPF data. Use left-over or slightly damaged stock for set-up. Introduce a sheet wastage KPI (from press count data) for benchmarking purposes (internally, from job to job) – often the only measure is make ready time which can result in set-up wastage.
Inks and solvents	Use low VOC inks such as water-based, UV-cured inks wherever possible. Think about the whole life costing. For example, UV inks for screen printing are a higher cost but can offer faster drying, higher productivity, more natural screen cleaning, less extraction and ventilation required, and improved print quality. Typical investment payback is under three years.

An environmental shift is expected in almost every industry irrespective of its form and energy consumption. Small bits contribute significantly when implemented together, and accordingly maximising your resources will add up to the environmentally friendly culture at your business. Developing such a culture would not only save up the energy but also decrease the material cost and increase profitability.



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Vishful Thinking



In this column, our industry veteran Vishwanath Shetty of The PrintWorks presents us his tongue-in-cheek view of the recent political news.

Surname or name of the caste!

With the twist in the tail, Aam Admi Party (AAP) in Delhi have added to the phenomenon of caste. In the 2014 elections, Ashutosh, the then AAP frontrunner who contested from Chandni Chowk constituency was asked to add his surname to his name, which he never did earlier. A former journalist who did not believe in surnames or sub-sects of any religion was forced to use the family name Gupta, next to his name Ashutosh, as the advisors recommended for reasons – there were a large population of people of Baniya community in the constituency. While Ashutosh was forced to use the surname, the twist now in August 2018 is Atishi, another AAP candidate is asked to drop her surname Marlena as people would recognise her as a Christian. Incidentally, Marlena is not her surname; she was named after someone by the name Marlena.



It is only politicians who can be vishful of changing the public perception by changing the name. We are familiar that people change their names and spellings to suit numerology! It is really strange that a candidate is asked to drop or add a surname as it identifies with a specific community. Vishful indeed are the leaders who talk of equality and discrimination!

Common citizen can wait but not the Judges and VIPs. Is that justice?

The newspapers on August 30, reported the Madras High Court, sent a blunt message to the NHAI (National Highway Authority of India), on Wednesday: "Create exclusive lanes for VIPs (very important persons) and sitting judges at all toll plazas on national highways or face contempt of court proceedings. It is embarrassing for

VIPs and judges to wait 15 minutes at the toll plazas and display identity documents." *Isn't it vishful to think, the common citizen can wait eternally at such lines, whereas for the VIPs it becomes embarrassing! And, in today's chock-a-block traffic can we idle and keep a reserved lane?*

Grand-alliance or...

Shivpal Yadav, uncle of Akhilesh Yadav and the former Samajwadi Party-leader, floated a new political party *Samajwadi Secular Morcha*, while Akhilesh is trying to forge the grand political alliance or maha gathbandhan, against the BJP and Narendra Modi. If there are internal splits at a time when they all profess unity, what does *gathbandhan* mean? "Those who are not letting me build my house, can hatch any conspiracy in my family," said Akhilesh Yadav hinting at the BJP for conspiring with uncle Shivpal Yadav. *Is it gathbandhan (an alliance) or ghaath-bandhan (complicated alliance)? Vishfully they will only tie themselves in knots and create more trouble.*

Nullifying kundali

Times of India on September 3, reported that a businessperson Ramesh Singh, aged 38, from Gomti Nagar served 24-hour imprisonment in May – after learning things from his kundali or horoscope). The family astrologer predicted that he had a *jail yog* and advised to go to jail to pre-empt something large-scale from happening. What a way to end the ill effects of the kundali! Though there is no provision in law for such imprisonment, the application to the District Administration yielded in positive results, and he was advised to behave in the jail (or lock-up) and eat the same food as the jail inmates to counter the effects of the kundali. *This is brilliantly vishful thinking and I wish it works. Then, I would suggest everyone to go and their kundali checked and those who have jail yog, can practise this strategy – vishfully we will be without criminals in this world!!*

Find a school for the suspended boy

A bench of judges at the Bombay HC, hearing a petition by the 13-year-old student from a south Bombay school, to set aside his suspension, said the student was victimised for minor infractions. According to the school, if a student gets three pink cards he or she is suspended,

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whereas he had only two. One for throwing a shoe at the counsellor, which he claims to be an overthrow over the cabin, and the other for throwing the pencil of another student into the dustbin. The report also says, the parents have informed that the student is suffering from Attention Deficient Hyperactivity Disorder (ADHA). The south Bombay-based school questions the possibility of doing psychiatric test for all the 2,000 students! In such a case, can the school not handle this case with parents and give the boy a chance to overcome and better deal with his problems? Don't you think counselling and taking the parents into confidence was more important? If it's completely out of hands, then too they could ask the parents to take the boy away to an appropriate school, without suspending him. Could they not be a little more humane? *Or am I vishful that school authorities will consider such aspects before jeopardising the life of a child?*

Bow down or cow down?

Congress-chief in Madhya Pradesh Kamal Nath promised a *gaushala* in every panchayat if his party comes to power in the 2018 assembly elections. He also assured that 'It is not a rhetoric, but a promise.' *Is this a vishful political gimmick or competitive cow politics? Or cow down instead of bow down to janata!*

Beti bachao or beti bhagao??

During the Janmashtami celebrations, BJP MLA from Maharashtra Ram Kadam said that 'he would help the youth rejected by a girl to abduct her, if the girl is approved by his parents.' The video went viral after he made the comment. Shiv Sena leader Udhav Thackeray rightfully asked the question: Beti bachao or beti bhagao? Is there nobody to question the loose tongues in the political parties? Or do they lose their thinking power when they see the mike? *It is visfhu! indeed to think of abducting any girl for rejecting a boy and making such statements in the public.*



MONOTECH SYSTEMS INSTALLS JETSCI X1 IN BANGLADESH

India's leading equipment manufacturer, Monotech Systems has installed its flagship JETSCI X1, a high-speed inkjet imprinting solution at one of the biggest printing presses in Bangladesh for security printing application. JETSCI range of products are being represented in Bangladesh by M/S Printech Corporation Limited. "This is our first industrial high-speed inkjet system installation in Bangladesh. The customer's print application was very demanding and our team designed a special solution to achieve the desired requirements of the client job," Neeraj Thappa, General Manager – International Sales, Monotech Systems, says, "With this installation of JETSCI X1 the customer can add more print applications in their workflow to deliver job with numbers, codes, etc." JETSCI X1 is a modular and an upgradable print system giving the customer the convenience of taking the system to next level.

Sharing the experience of the new acquisition, Marvin Sardar, MD, Printech Corporation Limited, says, "Printech was looking for high-speed VDP (variable data printing) solution to offer in Bangladesh market and JETSCI Inkjet systems were the ideal solution for our client. JETSCI's high-speed system with low-cost of ownership was the perfect combination that helped us secure the order." Mr Sardar adds, "My experience of the visit to JETSCI centre of excellence in Gurgaon was very positive and



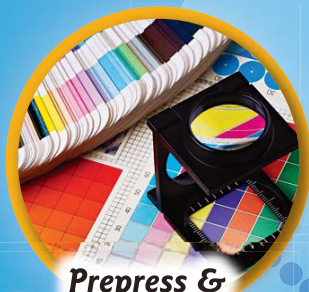
motivational. The system arrived customer's site on time and installation, commissioning and training were all carried out smoothly by JETSCI's experienced Engineers."



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