

News and Views...

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INDUSTRY NEWS

Unlock 4: Metro services may resume; schools, colleges, cinema halls to remain shut

As India gets ready to enter phase four of the unlock, it is reported that the Centre may ease restrictions on local trains, metro services, hotels, restaurants and bars. The government is considering opening local rail transportation are likely to reopen from the first week of September, while schools and colleges and cinema halls are likely to remain closed, as per sources.

The government received various suggestions asking to allow local rail/metro, single theatre cinema halls, auditoriums, assembly halls and similar places to resume.

"The process of phased re-opening of activities will be extended further and new guidelines, will be based on feedback received from states and UTs and extensive consultations with related Central Ministries and Departments," a senior government official told ANI.

Here's what to expect from Unlock 4.0

Metro services may resume

Metro services, which have been halted since March 22, will likely resume in Delhi and NCR from September 1. The government will ensure contactless ticketing system and tokens will not be used. Also, special sitting arrangements could be made with alternate seating to ensure social

distancing.

Local trains in Mumbai will not resume in this phase. While, Chennai has made e-passes mandatory for inter-state and inter-district movement. Wearing of mask will be mandatory and spitting or littering on the station premises could attract hefty fines.

Clubs may reopen

While pubs and clubs are expected to open next month and bars will be allowed to serve liquor at counter for takeaways. The central government may give some more relaxations but its implementation in the respective states or Union Territories (UT) will be done on the basis of assessment conducted by state governments, according to sources.

Schools, colleges to remain shut

While schools, colleges and educational institutes are likely to remain closed. In view of the NEET and JEE Main exams Odisha and Jharkhand have lifted certain curfews and restrictions allowing for free movement of traffic on curfew days and even permitting hotels to stay open for the days the exams are scheduled. In Karnataka, online classes of colleges for various degree courses for this academic session will commence from September 1. While from October 1 offline classes may resume, the state government said.

Cinema halls to remain closed

Cinema halls and single screen movie plexes are very likely to remain shut as it will not be feasible to run shows with only 25-30% capacity.

—ZeeNews



Covid-19 vaccine trials in India: Govt reviews status. 10 things to know

The government of India today reviewed the status of Covid-19 vaccine trials going on in the country. There are currently three vaccines in different phases including Covaxin by Bharat Biotech Vaccine, which is India's first indigenous vaccine against the novel coronavirus. It is being developed in collaboration with Indian Council of Medical Research (ICMR).

India's first Covid-19 vaccine, Covaxin, is currently in the second phase of clinical trials, the government stated. Through partnerships, India has access to two other vaccine candidates in the country – AZ/Oxford's viral vector vaccine and Novavax's protein subunit vaccine. Here are the 10 major updates on the status of the Covid-19 vaccines development and trials:

1) Niti Aayog's Dr Vinod K Paul, who is the Chairperson of the Empowered Group-1 on Medical Emergency management plan apprised government of the process of COVID vaccine development in India and around the world.

2) Dr Paul stated that globally, 29 candidates, including two Indian ones, are in clinical trials. Out of these, six such vaccines are in phase 3.

3) In India, Bharat Biotech's vaccine candidate based on inactivated virus procured by ICMR is in Phase II trial along with ZydusCadila's candidate which is based on viral DNA.

4) ICMR, which is collaborating with the pharma company for development of the vaccine, has chosen 12 medical institutes in the country where the trial would be conducted.

5) The Oxford Covid-19 vaccine candidate developed by Serum Institute of India is already in Phase III trial in Maharashtra and some other states. The ICMR had

earlier stated that Oxford's 'Covidshield' vaccine is in phase 2 (b) and phase 3 trials.

6) Pune-based drug maker has selected 17 sites in India to conduct the trial. A total of 1,600 candidates will take part in the study, out of which at least five volunteers have already been inoculated with "Covishield" vaccine in the past two days.

7) The government was also briefed about the National Expert Group on Vaccine Administration for COVID-19. The group is tasked with facilitation of vaccine development including issues of trial and stockpiling, sorting out issues of financing, risk-management, selection of potential beneficiaries and their order of reference, envisioning logistics, scale up, digital system, defining principles for selecting beneficiary categories, and defining scientific basis for selecting vaccine. Three meetings of the Expert Group have been held so far.

8) In the meantime, an approved vaccine is likely to hit the Indian market by the first quarter of 2021, Bernstein said in a report.

9) "Phase I/II data looks promising for both in terms of safety and the vaccine's ability to elicit an immune response," it said. "We are optimistic that there will be an approved vaccine in the market by 1Q calendar year 2021 in India," the report stated.

10) Meanwhile, India's COVID-19 tally raced past 34 lakh with a single-day spike of 76,472 cases, while the number of recoveries surged to 26,48,998, pushing the recovery rate to 76.47% on Saturday, according to the Union health ministry. However, the case fatality rate has further declined to 1.81% in the country. "India has one of the lowest global COVID-19 fatality rates," states Union Health Minister Dr Harsh Vardhan during the meeting.

– LiveMint



India's COVID-19 mortality rate stands at 1.58%, lowest in the world; recovery rate over 75%: Health Ministry

The Ministry of Health and Family Welfare on Tuesday (August 25, 2020) said that the country's COVID-19 mortality rate stands at 1.58% which is one of the lowest in the world.

Addressing a press briefing, Rajesh Bhushan, Secretary, Union Health Ministry, said, "The COVID-19 mortality rate in India stands at 1.58% which is one of the lowest in the world. In the last 24 hours, the number of active cases has reduced by 6,400."

"The recovery rate is now more than 75%," Rajesh Bhushan said.

The Union Health Ministry official further stated that today, the recovered cases are 3.4 times more than the active cases in the country. Active cases are only 22.2% of the total cases. The recovery rate is now more than 75%, Secretary, Rajesh Bhushan said. Sharing more detail, Rajesh Bhushan said, "Out of the total COVID-19 active cases in India, only 2.7% patients are on oxygen support, 1.92% patients are in ICU and 0.29% patients are on ventilator support." Rajesh Bhushan also said that on the basis of 7-day rolling average, COVID-19 positivity rate was 11 per cent in first week of August, it has now come down to 8 % today.

COVID testing improved from 363 tests per million per day on August 1 to more than 600 tests per million per day at present, the Health Ministry official said. To a question on Russian COVID-19 vaccine, he said as far as Sputnik-5 vaccine (COVID-19 vaccine developed in Russia) is concerned, India and Russia are in communication. Some initial information has been shared in this regard.

Speaking on his turn, Prof (Dr.) Balram Bhargava, DG, ICMR, said, "ICMR sero survey is publication in-progress. It should appear by this week in the Indian

Journal of Medical Research. It has been peer reviewed." The second national sero-survey should be completed in the first week September, he added.

Three COVID-19 vaccines are ahead in the race in India. Serum Institute's vaccine is in phase 2(B) & phase 3 trials and Bharat Biotech and Zydus Cadila's vaccines have completed phase 1 trial, the ICMR Director General said. The ICMR D-G said that irresponsible, less cautious people who are not wearing masks, are driving the pandemic in India.

- ZeeNews



Coronavirus Vaccine Tracker LIVE Updates: US, UK Move Closer to Covid-19 Vaccine by 2020-end

The United States may have four Covid-19 candidate vaccines in large-scale clinical trials by the middle of September, according to a report by the USA today. Health and Human Services Deputy Chief of Staff Paul Mango, who is also the agency's liaison with Operation Warp Speed, said that the US government was very pleased with the progress. He added that the agency felt it was "absolutely on track", if not a little ahead, in terms of their overall objective - which was tens of millions of (doses of) safe and effective vaccines approved for calendar year-end. Mango said that each Phase 3 clinical trial would enroll 30,000 volunteers and that the two underway currently were about halfway there.

Britain is preparing to revise its laws to allow the emergency use of any effective coronavirus vaccine before it is fully licensed – but only if the shots meet required safety and quality standards. In a statement Friday, Prime Minister Boris Johnson's Conservative government said it was adopting "reinforced safeguards" to allow the country's medicines regulatory agency to grant temporary authorization of a COVID-19 vaccine, provided it meets safety and quality standards. The proposed regulations would allow coronavirus vaccines to receive an emergency approval allowing people to be immunized while the full licensing process is being finished. Typically, vaccines are only used after the licensing review has been completed, a process which can take several months.

Here are the LIVE Updates on the Coronavirus Vaccine: WHO Sweetens Deal for Wealthier Nations | Wealthier countries that join the World Health Organization's COVID-19 vaccine plan are being offered a new option to pick and choose which shots they get while reserving a right to receive their "full share" of doses, documents seen by Reuters show. The change appears aimed at convincing governments which have negotiated their own bilateral deals securing experimental vaccines to also sign up for the global COVAX facility by Monday's deadline for submitting expressions of interest.

"They are trying to be more flexible for self-financing countries to make it more interesting... There are some advantages to incentivise you to pay upfront," said a Western diplomat familiar with the terms. The United States, Japan, Britain and the European Union have struck their own deals to secure millions of COVID-19 vaccine doses for their citizens, ignoring the WHO's warnings that "vaccine nationalism" will squeeze supplies.

Sanofi More Confident About Its Coronavirus Vaccines | Sanofi's confidence in its coronavirus vaccine candidates has increased this summer as the French

drugmaker prepares to start clinical trials, its chief executive told Reuters. The company is working on two of the more than 150 potential vaccines being developed across the world to tackle the COVID-19 pandemic, which has claimed more than 831,000 lives and sparked economic chaos. One candidate, to be manufactured on the back of an existing platform that develops vaccines to treat flu, will use an adjuvant made by Britain's GlaxoSmithKline (GSK) to boost its efficacy.

Bangladesh's Beximco Invests in Serum Institute of India | Bangladesh's Beximco Pharmaceuticals is investing in the Serum Institute of India (SII) to ensure Dhaka gets priority access to COVID-19 vaccines being developed by the Indian drug manufacturer, the company said on Friday. The deal announced by the Bangladeshi generic drugmaker comes after Dhaka said this month it was ready to hold trials of candidate vaccines being developed by India as both countries seek to curb the spread of the virus.

Putin Praises Russian Vaccine | The Russian president on Thursday praised a coronavirus vaccine that Russia approved for use earlier this month as effective and safe, a clear bid to address international skepticism about the shots that have only been studied for two months in a few dozen people. In an interview with the state Russia 24 TV channel released Thursday, President Vladimir Putin insisted that the world's first vaccine against coronavirus to receive a government go-ahead was approved "in strict accordance with Russian laws" that are in line with "international practice and regulations."

Novavax Firm May File for Vaccine Approval by December 2020 | Novavax Inc expects filing for approval of its COVID-19 vaccine candidate in the United States in December, Chief Executive Stanley Erck said in an interview for Czech daily Hospodarske Noviny, released on Thursday. The company plans to

produce part of the vaccine at its Czech plant, which will give the country access to the product once it is approved, the paper cited Erck as saying. Novavax said on Monday it had begun enrolling volunteers for the second phase of an ongoing clinical trial of its COVID-19 vaccine candidate, with interim data expected in the fourth quarter of 2020.

Peru to Start Testing China's Sinopharm Vaccine | Peru will start testing coronavirus vaccines from China's Sinopharm and U.S. drugmaker Johnson & Johnson in September, researchers said, which should help the country gain faster access to inoculations once the vaccines are approved. Sinopharm began this week to recruit up to 6,000 volunteers in Peru, which Reuters data indicates has the highest number of COVID-19 deaths in relation to its population size. A team of Chinese scientists is expected to arrive in the Andean nation next week to work with local researchers, said Germán Málaga, a doctor and lead vaccine investigator at Lima's Cayetano Heredia University. "This is going to happen around Sept. 3, to begin vaccinations on Sept. 8," he said. Sinopharm's clinical trials in Peru are being done with Cayetano Heredia and the state-run Universidad Mayor de San Marcos.

China Approves Use of Emergency Vaccine | Sinovac Biotech coronavirus vaccine candidate CoronaVac was approved in July for emergency use as part of a programme in China to vaccinate high-risk groups such as medical staff, a person familiar with the matter said. China National Biotec Group (CNBG), a unit of state-owned pharmaceutical giant China National Pharmaceutical Group (Sinopharm), also said it had obtained emergency use approval for a coronavirus vaccine candidate in social media platform WeChat on

Sunday. CNBG, which has two vaccine candidates in phase 3 clinical trials, did not say which of its vaccines had been cleared for emergency use.

Donald Trump Vows to 'Crush Pandemic' With Vaccine by Year-end | In a war cry against the pandemic, US President Donald Trump on Thursday vowed to "crush" Covid-19 with a vaccine by the end of the year, as he accepted the Republican nomination for a second term as POTUS. The US President said that the country is roped in deft scientist to develop the vaccines for coronavirus under 'Operation Warp Speed'.

We are marshaling America's scientific genius to produce a vaccine in record time. We will have a safe and effective vaccine this year and together we will crush the virus," Trump said, adding that three coronavirus vaccines will be ready for production soon and could be made available this year.

French Govt Expects Vaccine by End of 2020 or Early Next Year | New coronavirus vaccines could be available from the end of 2020 or the beginning of 2021, a presentation by French Health Minister Olivier Veran suggested on Thursday. French Prime Minister Jean Castex said on Thursday the government must move fast to head off a deadly new COVID-19 wave as the virus's reproduction level has jumped, with infections surging in the Paris region and among young people.

– News18 India



Hyve India Pvt Ltd has come up with a weekly e news alert program - **'Market News & Views'**

This program will cover Industry Updates, Launch of New Technologies, Partnership Opportunities, Industry Views & CSR activities. The purpose of this program is to keep customers up to date with developments in the Industry.

INDUSTRY UPDATES



Surge in OIN, ONP and OCC Waste Paper, Kraft Paper prices go up

The three months long nationwide lockdown has collapsed the spine of waste paper collection system here in India. The night after Prime Minister Modi's announcement of a complete lockdown in view of COVID-19 pandemic across the country, many Indians woke up to the fact that newspapers were not delivered on their doorsteps.

Non-printing of newspaper and readers' fear to receive a copy of a newspaper from a vendor completely reduced the collection of old newspaper (ONP) in the houses. Even in unlock- period, newspaper supply is still at below expectation level. According to multiple industry sources, this move has hit the newspaper industry hard with advertisement revenues hitting rock bottom since the crisis started. The corporate sector has reduced print advertisements in newspapers pressurizing publishers to reduce the number of pages in newspaper. "The price of unsold fresh newspaper (OIN) has been skyrocketed to Rs. 30 per kg in most of the parts of India, which is being just used for different products'

packaging like fruits. Normally the price of this kind of waste paper hovers around Rs. 13 to 14 per kg. From the last five months, the availability of newspapers is very low due to readers' reluctance and disruption in numerous small newspaper publications," said Mr. Naresh Singhal, President, All India Waste Paper Dealers Association (AIWPDA).

Mr. Singhal also pointed out the rally in ONP (Old Newspaper waste) prices, "paper mills making newsprint in north India are buying the ONP waste at Rs. 14 to 15.5 per kg which was at Rs. 11 per kg two months earlier.

Print publications are dependent on printers being able to print; distributors being able to drive copies around the country; and shops and stalls being open for people to buy or pick up the publication. A national lockdown obliterates every part of that chain.

The Price spike in imported waste paper and non-availability of domestic OCC make the waste price hiked by almost 30% in the last two months. "Waste paper price for recycled paper has now touched Rs. 13.5 per kg in Meerut and Muzaffarnagar belt, while in Morbi the price for OCC has reached upon Rs. 14.5 per kg. We expect a further increase of Rs. 1 to 2 per kg by the end of August," Mr. Naresh informed.

– *The Pulp and Paper Times*

Real introduces new low-calorie range Tetra Pak Craft packaging

Tetra Pak and Dabur have partnered to bring a unique packaging material effect Tetra Pak Craft to India, with the launch of Low Calorie range under Real Activ. Tetra Pak Craft gives the package a natural look of bare paperboard with wood fibres and helps food and beverage brands bring out the 'naturalness' of their product and gain high on-shelf differentiation. This is the first time that Tetra Pak Craft is being introduced in India.

Tetra Pak Craft has been chosen by Dabur to launch their first-of-its-kind 'Low Calorie' fruit juices range. Addressing the need gap for 'Calorie Conscious' consumers looking for tasty, fruit nutrition, Real Activ 'Low Cal' range which contains no added sugar, no added color and no added preservatives, is the perfect partner for their fitness goals and healthy lifestyle.

Speaking about the launch, Mayank Kumar, business head (foods), Dabur India said, "Calorie conscious consumers are increasingly looking for beverages that bring out the natural goodness of fruits without the guilt of excessive calories and we had the perfect offering in Real Activ 'Low Cal'. We were looking for the right packaging to complement the product concept and Tetra Pak Craft proved to be the perfect solution. A market first, the new Real Activ 'Low Cal' range will appeal to fitness and health conscious consumers and the innovative Tetra Pak Craft packaging will strengthen the product's credibility."

Ashutosh Manohar, managing director, Tetra Pak South Asia said, "We are very happy to build on our partnership of innovation with Dabur for its new 'Low Cal' Real Activ range in Tetra Pak Craft pack. As consumer demand for healthy alternatives grows, food companies are looking for packaging innovation that represents the values of the brand and the product accurately. With its natural look and high on-shelf differentiation, Tetra Pak Craft is the ideal match for products that lay emphasis on natural ingredients and authenticity." Tetra Pak Craft, like other Tetra Pak packages available in India, is primarily paper-based and recyclable, making it not just good for consumers, but also the environment. Tetra Pak Craft further adds to Tetra Pak packaging portfolio offering a wide spectrum of innovations for brand owners to leverage packaging as a competitive advantage.

– *The Packman*

Paper import under Free Trade Agreement route now requires 'rules of Origin'

The Government has notified the Customs (Administration of Rules of Origin under Trade Agreements) Rules, 2020, which will come into force from 21st September 2020. These Rules (CAROTAR 2020) will apply to imports into India of goods at preferential rates of basic customs duty under free trade and other trade agreements and seek to curb the misuse of the Rules of Origin under the FTAs by requiring the importer to submit detailed information about the imported goods while importing under the claim of a preferential rate of duty.

This rule will also benefit the Indian Paper industry in curbing the import of paper. The new norms have been framed with a view to checking inbound shipments of low-quality products and dumping of goods by a third country routed through an FTA partner country. "The 'Rules of Orgins will stop the malpractices in paper import also under the Free Trade Agreement (FTAs). Now the paper of origin needs to be shown to authorities in order to get custom clarification. We will see a reduction in paper import once this rule implements," a paper trader said.

"These new norms will help check third country exports (non-FTA members) to India at preferential / nil import duty using the FTA route as Rules of Origin are expected to be more strictly enforced as compared to earlier. It should help all industries to the extent that the misuse of FTAs to route exports to India at preferential / nil duty will be reduced. Only goods produced in FTA members which meet the Rules of Origin and Value Addition Norms will be allowed into India at preferential / nil import duty," said Mr. Rohit Pandit, Secretary-General, IPMA (Indian Paper Manufacturers Association)

These rules "shall apply to import of goods into India where the importer makes a claim of a preferential rate

of duty in terms of a trade agreement," it said.

Previously reported by The Pulp and Paper Times that the Government is all set to fine-tune the import duty structure as well to have a quick review of all 'Free Trade Agreement' (FTA). China and Indonesia are using this opportunity to push their excess inventory to India at very low prices, AS Mehta, president, Ipma, told FE. "We have urged the Centre to hike basic customs duty on paper import to 25%. Again, the paper should be placed in the Negative List for all existing and future FTAs (free trade agreements)," he says. Taking advantage of low import duty rates countries like China and Indonesia diverting their inventory, rendered excess by a levy of anti-dumping and anti-subsidy tariffs by their traditional markets of USA and EU, to India. The "rules of origin" provision prescribes for the minimal processing that should happen in the FTA country so that the final manufactured product may be called originating goods in that country.

According to the notification, to claim preferential rate of duty under a trade agreement, the importer or his agent, at the time of filing bill of entry, has to make a declaration in the bill that the imported products qualify as originating goods for a preferential rate of duty under that agreement; and produce the certificate of origin. The claim of a preferential rate of duty may be denied by the proper officer without verification if the certificate of origin is incomplete or has any alteration not authenticated by the issuing authority or the certificate is produced after its validity period has expired, it said.

The importer, it said, also has to possess all relevant information related to the country of origin criteria, including the regional value content, and submit the same to the proper officer on request.

It is also said that an officer may, during the course of customs clearance or thereafter, request for verification of certificate of origin from verification authority where

there is a doubt regarding genuineness or authenticity of the certificate for reasons such as mismatch of signatures or seal when compared with specimens of seals and signatures received from the exporting country.

Finance Minister Nirmala Sitharaman in her Budget speech had stated that the government would review 'rules of origin' requirements, particularly for certain sensitive items, "so as to ensure that FTAs are aligned to the conscious direction of our policy".

– The Pulp and Paper Times





Sirpur Paper Mills stopped production due to the Covid-19 crisis

The mounting pressure of weak demand in the paper sector has led Sirpur Paper Mill to shut down its production facility temporarily.

Sirpur Paper Mills Ltd, a subsidiary of "the company, has temporarily shut down its production operations at its manufacturing facility at Sirpur-Kaghnagar in Telangana in view of the current market condition consequent to Covid-19-pandemic situation", JK Paper Ltd said in a regulatory filing.

"Besides Covid-19 crisis has led to an uncertain atmosphere which will impact the spending behaviour and habits of the consumer in the near future. Decisions on discretionary purchases will be postponed while trends such as work-from-home will shift consumption from away-from-home to at-home items," Said Mr. Harsh Pati Singhania, Vice Chairman & Managing Director of JK Paper Ltd. to The Pulp and Paper Times in an Interview.

Before the COVID-19 lockdown, Sirpur Paper Mills

Ltd. (SPML) had ramped up its production and achieved highest production of 286 tons from the Pulp Mill (against a rated capacity of 323 tpd) and 320 tons (rated capacity of 400 tpd) from the Paper Machines. In the month of March, 2020 (up to 21st March, before COVID-19 lockdown) the Company achieved about 70% of the capacity based on actual number of working days. Progress is also being made on improving the quality parameters of the final products to meet customer requirements and expectations.

Mr. Singhania further said, that Except for Food, Pharma packaging grades and certain hygiene products, most Paper grades will see only a gradual demand buildup and therefore may witness price pressure in the near future. In certain segments, e.g. recycled paper, raw material price has spiked during lockdown due to challenges in waste paper collection and import consignments stuck at ports. However, this should be a temporary trend.

Sirpur Paper Mills, with a capacity of about 1.4 lac TPA, which JK Paper acquired through the IBC route, commenced production. After having undertaken significant refurbishments at the plant in the last year and achieved up to 70% of the operative capacity.

The Company comprises state-of-the-art integrated manufacturing facilities in three locations, helping moderate logistics cost, deliver products with speed and service a pan-Indian customer base.

– The Pulp & Paper Times





Jash Packaging plugs demand-supply gap with two Bobst folder-gluers

Packaging specialist Jash Packaging invested in two Bobstfolder-gluers – a Visionfold 110 A2 and an Ambition 76 A1 – a few months ago in a bid to continue its 20% year-on-year growth.

The Vadodara-based 50-year-old company installed the two machines at their company's folding carton unit in the city, along with two of their existing Bobst machines – a Bobst folder-gluer Lila II 145 A2 and a Novacut 106 E die-cutter.

The company is currently converting around 4,000 tonnes in corrugated and about 1,000 tonnes of solid board per month. According to Ravindra Patel, proprietor of Jash, there was a demand-supply gap, as a result of which the company faced difficulties in delivering the volume required by the customers on time with the existing gluers. “We decided to ramp up the finishing capabilities and bolstered the two existing folder-gluers with the addition of two new Bobst machines,” said Patel, who is assisted by his son Kishan in running the business.

The Ambition 76 A1 features a straight line open width of 76 to 760 mm, lock bottom open width of 146 to 760mm and a running speed of up to 300 m/min, while the Visionfold 110 A2 features a straight line open width of 76 to 1,100 mm, lock bottom open width of 146 to 1,100mm and a speed of up to 350 m/min.

“Both machines are capable of running straight line, crash lock bottom, disproportionate outer cartons and litho laminated three-ply cartons. The Visionfold 110 A2 is in addition equipped with to run specialty 4- and 6-corner jobs. Consistency and faster job changeovers allow the customer to achieve more production in the given time,” said the regional sales manager – western region, India at Bobst.

The company additionally installed Handypack on both machines. It is a kit that is installed at the delivery section, which according to Patel, increases the productivity of the folder-gluer through easy carton collection, resulting in optimum utilization of the folder-gluers and minimizing the manual labour required at delivery – a wonderful example of automation.

Patel said, “Increasing the total capacity to offer prompt service to our customers was our main requirement. We have had a good history of growth. Times are tough, but one has to be aggressive and pro-active as well as vigilant and shrewd, to continue the streak of success. In our endeavor, we relied on Bobst because of its prompt service, the process support to hand-hold us and to get the machine to reach its optimum level of performance. This has really boosted our production level substantially compared to what we were able to achieve earlier.”

– *The Packman*



MEDIA SPEAK



Good things come in right-sized packages

The average package shipped today contains 40% empty space, contributing to the unnecessary destruction of more than 342 square miles of forest every year. Both environmentally and economically, this is an immense problem requiring urgent attention. Rather than just thinking outside of the box, Packsize went ahead and reinvented it. With superior automation performance from B&R, Packsize now allows manufacturers to produce custom packages on demand to perfectly fit their content.

Truckloads of savings through On Demand Packaging

The potential environmental benefits are impressive – 17.4 billion kilograms of carbon dioxide emissions and 36.91 million barrels of oil could be saved each year by eliminating the empty space in oversized packages.

Through its innovative approach to right-sized packaging, Packsize has already prevented over 35.6 million kilograms of carbon dioxide emissions through 24.3 million avoided truckloads.

“The environmental aspect was one of our main motivations for developing this solution,” says Niklas Pettersson, global vice president of technical innovation at Packsize, “but one should not forget the huge savings it promises for companies who implement it.” Shipping logistics is a universal challenge faced in every industry. The traditional approach – maintaining a stock of boxes in a limited variety of sizes – racks up costs for strategic planning, inventory maintenance and warehouse management systems.

Companies end up paying for excessive corrugated cardboard, filling material, warehouse space and transportation – just to move around large quantities of air. Not to mention that products shipped in oversized boxes are also much more prone to damage. Determined to create a win-win solution to these problems – not only for the companies involved, but for the planet as well – Packsize introduced the concept of On Demand Packaging. Their customers and partners can now enjoy cost savings and optimized supply chain logistics while contributing to a healthier planet.

The right partner for the right strategy

One might easily assume that Packsize has paved its way to success with On Demand Packaging, but the road has not been without its share of bumps. Early on, Packsize had difficulty convincing manufacturers – particularly those for whom packaging was not a core business – to invest in its new machines. Thanks to the resourcefulness of current CEO Hanko Kiessner, however, Packsize was able to turn this obstacle into a stepping stone. Rather than selling its machines, Packsize chose to lend them to its customers and charge instead for the supply of corrugated cardboard.

In order for this new business model to work, Packsize knew it would have to produce its machines more cost-effectively without interfering with their performance. Looking for an automation partner with the technology and know-how to make this happen, Packsize found B&R to be the clear choice. Well-known for its portfolio of easily integrated and highly scalable solutions spanning the entire bandwidth of automation technology, B&R was able to help optimize both performance and cost.

Right-sized automation for the new iQ Fusion

To better serve an e-commerce market that is growing faster than ever, Packsize and B&R have developed a new, even smaller machine – the Packsize iQ Fusion. With its small footprint and versatile carton-making ability, this machine has the agility needed for the fast-paced e-commerce fulfillment industry. The Packsize iQ Fusion can create an infinite number of box styles, and WMS integration allows it to seamlessly connect with any warehouse management system for automatic transmission of product dimensions.

Packsize's sustained position as an innovative leader in its field is owed in part to B&R's outstanding product portfolio. B&R's Automation Studio development environment provides a seamless link between programming, diagnostics, I/O and motion control, ensuring the high-performance positioning and speed control that is vital for Packsize. The flexibility and openness of B&R's fully integrated components makes them perfect for creating right-sized solutions that harmonize nicely with Packsize's own philosophy.

On Demand Packaging allows vendors to give their customers environmentally friendly packaging while still increasing their own margin. With the fast growing e-commerce industry and a major contract with Staples, Packsize looks forward to a bright future where it will continue to rethink the packaging industry together with B&R. The Packman

Packing industry holds potential for high growth



India can emerge as a significant global player, if the sector strengthens its capabilities in terms of technology, skills, and efficiency. The impact of Covid-19 on the packaging sector has been mixed depending on the portfolios of different end-user industries. The Indian packaging sector, even in the pre-Covid era, has been witnessing considerable growth largely due to increased globalisation of trade in goods and services and emergence of new trade models, such as e-commerce and organised retailing. E-commerce in India is projected to grow rapidly at a CAGR of 27 per cent from 2017 to 2026 to reach \$200 billion by 2026. This has been further boosted by the current pandemic due to closures of store retailing consequent to the lockdowns. With the projections of the impact of the pandemic to be long drawn, consumer preferences towards e-commerce and e-retailing will continue to be a trend beyond the crisis. Currently, India's share in the overall parcel shipments (transit packaging) worldwide is less than 1 per cent. With steep growth of e-commerce and e-retailing globally, and in India, transit packaging and omni-channel packaging are emerging as the most

potential segments – maintaining safety, hygiene, and integrity of goods – and where the Indian packaging industry has considerable scope for expansion. Whilst the closure of stores has reduced the need for disposable in-store packaging in the short term, demand have shifted to alternative uses. In the food service segment, disposable takeaway packaging options have registered higher demand as consumption patterns shift to food delivery. Emergence of new food businesses, and local restaurants and food delivery giants launching their own delivery or food takeaway services are warranting new requirements of packaging.

Growth forecast

The Indian packaging industry is expected to reach \$72.6 billion by 2020, growing at a CAGR of 18 per cent during 2016-21. Covid-19 may have derailed this growth considerably; however, certain manufacturing sectors, such as pharmaceuticals, packaged food and beverages, functional food and hygienic products among the FMCG, have been less affected by the crisis, and have rather seen a sizeable growth both in demand and in production, raising the demand of packaging. By far with a low share of 1.4 per cent in global exports, India is a net exporter of packaging materials. The export of packaging materials from India was estimated at \$843.8 million in 2018-19, witnessing a y-o-y growth of 14.1 per cent. India has emerged as market leader in quite a few sub-segments of packaging, such as the Flexible Intermediate Bulk Container (FIBC) and Biaxially-oriented Polyethylene Terephthalate (BOPET) films. Nevertheless, China dominates the sector and is the largest manufacturer and exporter of packaging materials and products globally. While the trade in the sector has been severely affected by the global pandemic lockdowns

as in the case of other sectors, the pandemic driven isolation of China have been forcing the packaging companies worldwide to relook at their supply chain

vulnerabilities, which is accelerating shifting of their businesses and sourcing to other second world countries, preferably India.

Despite limited activity in the packaging space in India, historically, the last decade has witnessed the Indian packaging industry emerging as an attractive investment avenue for the global players, largely in the flexible packaging segment. Predominantly an unorganised set-up, the flexible packaging industry has undergone a certain degree of consolidation in the recent years, due to the acquisitions and mergers, which has brought in much-needed investments in the industry in technology, scale and skill development. Although M&A activity is likely to be more subdued in the short term due to the Covid disruptions, as the economies recover, the M&A activities are likely to be heightened in the medium to longer term, as consolidation in the sector is anticipated to continue.

– *The Hindu Business Line*

Global packaging market forecast to grow by \$280bn

The global packaging market could grow by \$280bn in the next four years, at a rate of 5%, according to a new report.

The analysis by market research company ReportLinker found that the market is driven by the growth of food delivery and takeaway market, rise in need for innovative packaging and increase in demand for digitally printed packaging.

This study identified a rise in adoption of reusable packaging as one of the prime reasons driving the packaging market growth during the next few years.

Also, the continuous development of new products and the emergence of tamper-proof packaging will lead to sizable demand in the market.

– *PackagingNews*

NEW TECHNOLOGIES

New Horizon Enterprises

- iDEAL Forged YD Seamless Steel is the Future - A new manufacturing technology allows the entire shell to be forged from a single piece of steel with no welds, for all diameters needed. The elimination of welds sensibly reduces mechanical issues while at the same time guaranteeing greater solidity and improved heat transmission
 - o no longitudinal welds
 - o no welds at head to shell joint
 - o minimum root shell thickness for maximum drying capacity
 - o shell stress controlled by rib geometry and head to shell corner design
 - o innovative shape of internal grooves
 - o stronger Yankee shell
 - o working flexibility at different pressures
- Forged SS Yankee without any joints and romantic reel skating and retrieving system with AI Technology in finishing house for a paper mill.



Kirloskar Pneumatic Company Ltd

Vapour Absorption Chillers: Kirloskar Vapour Absorption Chillers (VAC) is the state of art, highly efficient machine.

KPCL has established manufacturing facility at our existing Saswad factory, near Pune. The manufacturing facilities include Fabrication, Assembly and Performance Testing at full load, etc. Our product range includes Steam driven Vapour Absorption Chillers and Direct Fired Vapour Absorption Chillers (VAC). Kirloskar VAC's are of the latest design and are corrosion free and crystallisation free, thus providing promised performance consistently and providing long and trouble-free life. You will observe that Life Cycle Cost (LCC) of Kirloskar VAC would be minimal due to these features. Our VAC shall provide chilled water, which can be used for air conditioning and process cooling applications. Indigenous Kirloskar Vapour Absorption Chillers are supplied in fully assembled condition duly tested in the factory. Thus, these can be commissioned in a very short time.



BUSINESS FESTIVAL OF PAPER INDUSTRY



a Hyve event

6 - 9 December 2021

Pragati Maidan, New Delhi India

Paperex is the largest paper industry event in the world and it takes place in New Delhi, India.

It is a "A Unified Business Platform for Paper Industry" for new business opportunities, joint ventures, investments and technology transfer in paper and allied industries.

Paperex is always very well attended by large gathering of Paper Manufacturers to explore the New Technology., Machinery & Equipment and Raw Material for Paper & Board Manufacturing.

And the mass audience of Paper Traders, Printers, Publisher, Converter and Paper Packaging Companies to explore the variety of papers at the show



26-28 November 2020

Chennai Trade Centre, India

A sneak Preview:

- Meet 250+ exhibitors who will display latest products & services from 18 countries
- Learn new trends by attending technical conference by IARPMA
- Network with industry leaders at "Global Paper Technology Supplier" pavilion
- Delegation program to host international buyers
- 5000+ trade visitors from 20+ countries including 142 paper mills across India
- Visit "Paper Manufacturer" networking pavilion
- Engage with the leaders at "Exclusive Paper Mills CEO/MD Conclave"

Business Connect Program

- **Market News & Views, a weekly e news alert program** covering Industry Updates , Launch of New Technologies , Partnership Opportunities , Industry Views, CSR activities
- **International Business Networking Program (IBNP) a monthly webinar** covering key industry across Indian as well as some neighboring countries including China, Taiwan, Bangladesh, etc
- **Open Seminars during the event**, a unique opportunity to have face to face interaction with industry leader and knowledge transfer



Contact Us



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SOME LEADING COMPANIES AT THE EVENT

Tex Biosciences Pvt. Ltd.



Tex Biosciences is a family owned organization promoted by its Founder Mr. R.P. Krishnamachari. The company was started in the year 1979 and began its operations in Leather and Textile markets. The growth of the company has been phenomenal and it has a strong and diversified presence in Leather, Animal Feed, Textiles, Pulp & Paper, Detergents and Waste Water Treatment Industries.



Kirloskar Pneumatic Company Ltd



Founded in 1958 by Shantanurao Kirloskar, Kirloskar Pneumatic Company Limited (KPCL) is one of the core Kirloskar group

companies. As such, it espouses all the values that come with being part of a rich 130-year legacy in manufacturing and industrial innovation. With a product range that includes Air Compressors, Air Conditioning and Refrigeration Systems, Process Gas Systems, Vapour Absorption Systems and Industrial Gear Boxes. KPCL serves a variety of sectors like Oil, Gas, Steel, Cement, Food and Beverage, Railways, Defence and Marine.

With innovation at its core, KPCL has led the way in developing sophisticated and high-tech products that redefine the industries they're used in. Being on the cutting edge of the industry has led to us establishing long-standing relationships with leading global companies. We've worked hard to develop a reputation for delivering advanced products that meet our customer's needs and exceed their expectations. By focusing on continually evolving and developing our offerings, we keep raising our standards, subsequently the standards of the entire industry.



Coramandal Paper Products

We are the paper envelopes manufacturers with high speed German automated machines having a capacity 400 million per year. Now that post covid there will be huge market worldwide for different paper related works because from now onwards there is china resentment on their products and we can be able to fill the demand vacuum only if you are passionate about your product and have good mental make up to any how achieve your target ability to work hard and have required infrastructure it's possible to succeed. We Coromandel paper products Hyderabad India headed by Mr Prakash Bharadwaj and V Bala kameshwar Rao have patiently worked very hard to this stage even kept exhibition in china and New York because of capexil just before lockdown and very sure in next few years of supply envelopes to many countries in the world very confident about that because we passionate about envelopes.



...and many more



...and many more

Thank You

COMBATING
COVID-19

Basic
Protective
Measures



USE FACE MASK



CLEAN AND DISINFECT



WASH YOUR HANDS
FREQUENTLY



KEEP DISTANCE
FROM OTHERS



AVOID TOUCHING
EYES, NOSE OR MOUTH



STAY AT HOME
WHEN YOU ARE SICK