

News and Views...

December 01, 2020



08 - 10 | APRIL 2021

Chennai Trade Centre, Chennai, INDIA



a Hyve event

6 - 9 | DECEMBER 2021

Pragati Maidan, New Delhi, India

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INDUSTRY NEWS



Serum Institute CEO Says In Process of Getting Emergency License for Vaccine

Prime Minister Narendra Modi arrived at Pune's Serum Institute of India, the last stop in his tri-city tour of visiting facilities involved in the manufacture and development of the coronavirus vaccine. He first visited Ahmedabad at pharma major Zydus Cadila's plant to get information about its vaccine development. The plant is located in the Changodar industrial area, over 20 km from Ahmedabad. Zydus Cadila has announced that the phase-I clinical trial of its vaccine candidate ZyCoV-D was over and it has commenced phase-II clinical trials from August.

From Ahmedabad, Modi flew to Hyderabad where he visited vaccine maker Bharat Biotech's facility. After landing at Hakimpet Air Force station, Modi reached Bharat Biotech's facility at Genome Valley at 1.30 pm. The facility is around 50 km from Hyderabad. Bharat Biotech's Covaxin is

undergoing phase-3 trials. After his hour-long visit to the facility, the PM will proceed to Pune, where he will visit the Serum Institute of India (SII), which has partnered with global pharma giant AstraZeneca and the Oxford University for the vaccine. The prime minister will reach Serum Institute campus around 4.30 pm, an official said.

– News18 India

India restricts international flights till 31 December, only selected flights allowed: DGCA

In a new order passed by the Government of India, international flight ban has been extended till 31 December by the Directorate General of Civil Aviation (DGCA) amid the ongoing novel coronavirus pandemic.

Only selected flights shall be allowed on case to case basis, the DGCA order read.

The notification, titled 'Travel and Visa restrictions related to COVID-19' said, "In partial modification of circular dated 26-06-2020, the competent authority has further extended the validity of circular issued on the subject cited above regarding Scheduled International commercial passenger services to/from India till 2359 hrs 1ST of 31st December, 2020."

"This restriction shall not apply to international all-cargo operations and flights specifically approved by DGCA," the order stated.

"However, International Scheduled flights may be allowed on selected routes by the competent authority on case to case basis," the statement added.

Earlier this month, the DGCA had extended the ban on scheduled international passenger flights till November 30.

"However, the international scheduled flights may be allowed on selected routes by the competent authority on a case-to-case basis," the DGCA said in its circular.

Ban on international flights: How can you travel

Anyone who wants to travel to foreign countries will have to depend on air bubble arrangements. Under an air bubble pact between two countries, special international flights can be operated by their airlines between their territories. As of now, India air bubble pacts with around 22 countries.

These are Afghanistan, Bangladesh, Bahrain, Bhutan, Canada, Ethiopia, France, Germany, Iraq, Japan, Kenya, Maldives, the Netherlands, Nigeria, Oman, Qatar, Rwanda, Tanzania, the UAE, the UK, Ukraine and the US.

Special flights operating under Vande Bharat Mission

The country has been operating special international flights under the Vande Bharat Mission since May this year. The scheduled international passenger services have been suspended in India since 23 March due to the novel coronavirus pandemic.





PM Modi Visits Serum Institute In Pune, Last Stop Of 3-City Vaccine Tour

Prime Minister Narendra Modi on Saturday visited India's top vaccine hubs to personally review the development of coronavirus vaccine and the manufacturing process. The visit, PM Modi's office said, was meant to help him get a "first-hand perspective of the preparations, challenges and roadmap in India's endeavour to vaccinate its citizens". PM Modi began his three-city vaccine tour with a visit to pharma major Zydus Cadila's plant in Gujarat. Wearing a PPE kit, PM Modi reviewed the vaccine development process at the Zydus Cadila research centre in Changodar industrial area, over 20 km from

Ahmedabad.

The drug maker has announced that the first phase of clinical trial of its COVID-19 vaccine candidate, ZyCoV-D, has been completed and it commenced the second phase of clinical trials in August.

"Visited the Zydus Biotech Park in Ahmedabad to know more about the indigenous DNA based vaccine being developed by Zydus Cadila. I compliment the team behind this effort for their work. Government of India is actively working with them to support them in this journey," PM Modi tweeted.

From Ahmedabad, PM Modi flew to Hyderabad where he visited Bharat BioTech, which is working on Covaxin, pitched as India's first indigenous vaccine candidate. The facility is around 50 km from Hyderabad.

"The prime minister's visit serves as a great inspiration to our team, and further reinforces our commitment towards scientific discovery, solving public health issues, and the nation's fight against COVID-19," the company said in a statement.

After his hour-long visit to the facility, the PM proceeded to Pune where Serum Institute of India (SII), which has partnered with global pharma giant AstraZeneca and Oxford University for a COVID-19 vaccine, is based.

"As India enters a decisive phase of the fight against COVID-19, PM Narendra Modi's visit to these facilities and discussions with the scientists will help him get a first-hand perspective of the preparations, challenges and roadmap in India's endeavour to vaccinate its citizens," the Prime Minister's Office tweeted yesterday.

On November 24, Prime Minister while speaking with Chief Ministers of various states over the deteriorating pandemic situation in their states at a virtual meeting advised the states to establish cold storage facilities for COVID-19 vaccine beforehand and suggested them to prepare and send a plan for its distribution to the Central government.

This morning, India reported 41,322 fresh COVID-19 cases, 4% lower than on Friday, taking its overall number to 93.51 lakh cases and 1,36,200 deaths. The states of Maharashtra, Karnataka, Andhra Pradesh, Tamil Nadu, and Kerala were the most affected ones, with deaths ranging from 23 to 85 in the past 24 hours.

– NDTV.com





Pfizer and biontech conclude phase 3 study of covid-19 vaccine candidate, meeting all primary efficacy endpoints

Pfizer Inc. (NYSE: PFE) and BioNTech SE (Nasdaq: BNTX) announced that, after conducting the final efficacy analysis in their ongoing Phase 3 study, their mRNA-based COVID-19 vaccine candidate, BNT162b2, met all of the study's primary efficacy endpoints. Analysis of the data indicates a vaccine efficacy rate of 95% ($p < 0.0001$) in participants without prior SARS-CoV-2 infection (first primary objective) and also in participants with and without prior SARS-CoV-2 infection (second primary objective),

in each case measured from 7 days after the second dose. The first primary objective analysis is based on 170 cases of COVID-19, as specified in the study protocol, of which 162 cases of COVID-19 were observed in the placebo group versus 8 cases in the BNT162b2 group. Efficacy was consistent across age, gender, race and ethnicity demographics. The observed efficacy in adults over 65 years of age was over 94%. There were 10 severe cases of COVID-19 observed in the trial, with nine of the cases occurring in the placebo group and one in the BNT162b2 vaccinated group.

To date, the Data Monitoring Committee for the study has not reported any serious safety concerns related to the vaccine. A review of unblinded reactogenicity data from the final analysis which consisted of a randomized subset of at least 8,000 participants 18 years and older in the phase 2/3 study demonstrates that the vaccine was well tolerated, with most solicited adverse events resolving shortly after vaccination. The only Grade 3 (severe) solicited adverse events greater than or equal to 2% in frequency after the first or second dose was fatigue at 3.8% and headache at 2.0% following dose 2. Consistent with earlier shared results, older adults tended to report fewer and milder solicited adverse events following vaccination.

In addition, the companies announced that the safety milestone required by the U.S. Food and Drug Administration (FDA) for Emergency Use Authorization (EUA) has been achieved. Pfizer and BioNTech plan to

submit a request within days to the FDA for an EUA based on the totality of safety and efficacy data collected to date, as well as manufacturing data relating to the quality and consistency of the vaccine. These data also will be submitted to other regulatory agencies around the world.

"The study results mark an important step in this historic eight-month journey to bring forward a vaccine capable of helping to end this devastating pandemic. We continue to move at the speed of science to compile all the data collected thus far and share with regulators around the world," said Dr. Albert Bourla, Pfizer Chairman and CEO. "With hundreds of thousands of people around the globe infected every day, we urgently need to get a safe and effective vaccine to the world."

"We are grateful that the first global trial to reach the final efficacy analysis mark indicates that a high rate of protection against COVID-19 can be achieved very fast after the first 30 µg dose, underscoring the power of BNT162 in providing early protection," said Ugur Sahin, M.D., CEO and Co-founder of BioNTech. "These achievements highlight the potential of mRNA as a new drug class. Our objective from the very beginning was to design and develop a vaccine that would generate rapid and potent protection against COVID-19 with a benign tolerability profile across all ages. We believe we have achieved this with our vaccine candidate BNT162b2 in all age groups studied so far and look forward to sharing further details with the regulatory authorities. I want to thank all the devoted

women and men who contributed to this historically unprecedented achievement. We will continue to work with our partners and governments around the world to prepare for global distribution in 2020 and beyond.”

The Phase 3 clinical trial of BNT162b2 began on July 27 and has enrolled 43,661 participants to date, 41,135 of whom have received a second dose of the vaccine candidate as of November 13, 2020.

Approximately 42% of global participants and 30% of U.S. participants have racially and ethnically diverse backgrounds, and 41% of global and 45% of U.S. participants are 56-85 years of age. A breakdown of the diversity of clinical trial participants can be found here from approximately 150 clinical trials sites in United States, Germany, Turkey, South Africa, Brazil and Argentina. The trial will continue to collect efficacy and safety data in participants for an additional two years.

Based on current projections, the companies expect to produce globally up to 50 million vaccine doses in 2020 and up to 1.3 billion doses by the end of 2021. Four of Pfizer’s facilities are part of the manufacturing and supply chain; St. Louis, MO; Andover, MA; and Kalamazoo, MI in the U.S.; and Puurs in Belgium. BioNTech’s German sites will also be leveraged for global supply.

Pfizer is confident in its vast experience, expertise and existing cold-chain infrastructure to distribute the vaccine around the world. The companies have developed specially designed, temperature-controlled thermal shippers utilizing dry ice to maintain temperature conditions of -

70°C±10°C. They can be used as temporary storage units for 15 days by refilling with dry ice. Each shipper contains a GPS-enabled thermal sensor to track the location and temperature of each vaccine shipment across their pre-set routes leveraging Pfizer’s broad distribution network.

Pfizer and BioNTech plan to submit the efficacy and safety data from the study for peer-review in a scientific journal once analysis of the data is completed.

– Pfizer.com



ICMR approves CSIR's Covid-19 testing method

The Indian Council for Medical Research (ICMR) has approved a simple and fast method for Covid-19 testing which can not only increase the number of RT-PCR tests but can also bring down costs, the Council for Scientific and Industrial Research (CSIR) said on Saturday. The method – Dry Swab-Direct RT-PCR – developed by CSIR's Centre for Cellular and Molecular Biology, Hyderabad, is a variation of the existing gold standard RT-PCR method and can easily scale up the testing by 2 to 3 fold with no new investment of resources.

– Times of India

Will India's GDP turn positive by Q4FY21? Here's what analysts say

The economic outlook has improved with the Q2 gross domestic product (GDP) print, which indicates faster normalisation of the activities during the quarter with a stronger than expected pickup.

Overall, India's economy recovered faster than expected in the September quarter as a pickup in manufacturing helped GDP clock a lower contraction of 7.5 per cent. The GDP had contracted by a record 23.9 per cent in the first quarter of 2020-21 fiscal (April 2020 to March 2021) as the coronavirus lockdown badly hit the economic activity.

Commenting on the figures, market watchers said that the GDP print was better than expected. However, sustainability is the key, especially after the festive season.

Here what economists and market experts said on the GDP figures:

Mihir Vora, Director & Chief Investment Officer, Max Life Insurance

India marked a technical recession with a Q2 real GDP contraction of -7.5 per cent and nominal GDP at -4 per cent. The number is marginally better than expectations and reflected unlocking of the economy, improvement in activity levels and pent-up demand. The number also may look higher as the initial estimates take into account data for larger companies, which have done better than the medium and small enterprises. The revised numbers including smaller company data may be a notch lower, but these will be available only after a few quarters.

Rural sector remained the bright spot. Good improvement in manufacturing was also a positive. On the expenditure side, as a

proportion of GDP, private consumption as well as investments remained lower than pre-Covid levels.

With the government spending likely to improve in H2FY21, we believe further improvement in growth numbers would be seen. We expect Q3 GDP at -1.5 to -2 per cent whereas Q4 growth may be marginally positive if there are no further Covid-induced lockdowns.

S Ranganathan, Head of Research, LKP Securities

The contraction in GDP at 7.5 per cent in Q2 was ahead of the market expectation, which was going in with a contraction of 9 per cent. Two-wheeler demand was robust and so was the cement demand. The data is in sync with the Q2 earnings and the commentary put out by several corporates.

VK Vijayakumar, Chief Investment Strategist at Geojit Financial Services

The 0.6 per cent expansion in manufacturing has come as a pleasant surprise. If this trend sustains, Q3 contraction will be very low and Q4 will post positive figures. If so, the annual contraction can be around 6 per cent. Sharp expansion in the first half of FY22 is on the cards. A 'V' shaped recovery in FY22 is in the realm of possibility. It is important to sustain the growth momentum.

B Gopkumar, MD & CEO, Axis Securities

September GDP print beat the market expectation with recovery in manufacturing that drives improvement in Q2, with a decent improvement seen in services. The agriculture sector continues to stand out during the quarter on better Kharif output. The growth outlook has

improved with the Q2 GDP print. Now the market will look for sustainability of demand, especially after the festive season, and will be watchful of the high-frequency indicators.

Suman Chowdhury, Chief Analytical Officer, Acuité Ratings & Research

The significantly lower YoY contraction in Q2 GDP at 7.5 per cent compared with 23.9 per cent in Q1 has been largely in line with our expectations given the effect of pent up demand in the economy after a protracted lockdown in large parts of the country. Going forward, however, we believe that the revival momentum in Q3 and Q4 will be critically dependent on the pickup in private consumption during the festive season and a reduction in the intensity of the Covid pandemic. Any further resurgence of the pandemic and delay in the introduction of vaccines may constrain the expected GDP growth in Q3 and Q4.

Binod Modi, Head - Strategy, Reliance Securities

Better-than-expected GDP print is mainly supported by a strong rebound in manufacturing. While the 2QFY21 GDP print marks a sharp sequential rebound, the market will be focusing more about the prospects of recovery in 2HFY21. Given a 2.5 per cent drop in Core Industries output for Oct 2020 and a sharp 13 per cent drop in consumptions (private + govt) in 2QFY21, a meaningful recovery in Q3 FY21 looks to be doubtful. We note that consumptions have always played an important role over the years to support economic growth. Hence, a faster recovery in consumptions is utmost important.

– **The Economic Times**

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



Shortage of Waste Paper may shrink Corrugators' margins and disrupt Kraft Paper Production

After festive seasons, the less generation of waste paper in the local market is creating a 'severe' shortage of raw material for paper mills, waste paper price is touching Rs. 16 per kg in most of the parts of India and is anticipated to go on Rs. 17 to 18 in the coming days. Paper mills have no option but to shrink corrugators' margins by increasing the finished paper price.

Paper mills are facing challenges in running

their production process smoothly; the import of high grade OCC waste is badly disrupted due to the imposition of lockdown in Europe. The situation may lead to worse as import of paper will be disturbed for at least next two months. Paper Mills may operate at lower capacity or choose to shut down the production for a few days in a month.

Finished Kraft paper price is already touching Rs 26 to 28 per kg for low-grade paper.

"The price of waste paper has gone up from Rs 9 per kg to Rs 15 per kg since October. This has prompted paper mills to enhance the price from Rs 20 per kg to Rs 28 per kg of the low-grade paper and up to Rs 35 per kg of the high-grade paper," said Surinder Jain, president, HP Corrugation Box

Manufacturers' Association, who runs Devashish Food Packaging Unit in Nalagarh to The Tribune.

Talking to The Pulp and Paper Times, Mr. Naresh Singhal, President, All India Waste Paper Dealer Association said that, we are currently having the worst time in waste paper industry. Shippers are struggling a lot with the shipping lines in order to get the empty containers. Prices of the material has already been on the rooftop, The price of imported waste paper is already hovering around 185 to 200 usd for the various grades.

"In the current market turbulence, Kraft paper mills are leading & driving the paper market with local and export orders. Imported raw material availability is very less due to 2nd wave of Covid in Europe leading to demand of RCP in domestic market,"

"It is almost clear that consignment of

imported waste paper will not be easily available at least for next two months. The mills will have to be dependent on domestic waste paper suppliers," Mr. Singhal says.

"Duplex mills have raised their finish product price by Rs. 1 per kg, as there is no increase in raw material prices of duplex mills. In fact they have reduced some of the top grade raw material prices," Sources said.

Domestic Kraft waste paper prices are under pressure due to export of finish Kraft paper and non-availability of imported waste paper. Domestic waste paper is sufficiently available to fulfill the domestic finish paper demand.

Despite the rise in its price, adequate kraft paper is not available in the market. "For the first time, corrugation units have been forced to refuse supply orders from consumer goods units as well as kitchen appliance and pharmaceutical manufacturers, as there is no kraft paper available," said Surinder Jain.

One of Waste paper supplier says that, until, we get a clear picture with regards to what we should book at what price it is difficult for us to give any further offers. This continuous change in the freight charges and cancellation in the current empty bookings are giving us the worst time ever.

Few Kraft manufacturing mills in Uttar Pradesh have reduced the credit limit of their products finish Kraft paper from 30 days to 15 days to their buyers. Waste paper suppliers are suggested to review their payment terms with their mills.

– The Pulp and Paper Times



Jani Sales to commence production of Tissue & MG Poster in November, Initial focus on Kraft Paper

The pandemic of Coronavirus (COVID-19) has affected every aspect of life globally. This has brought along several changes in market conditions. Paper sales plunging as demand from packaging, education, corporate, and the print media has come to naught. Paper Mills are still working on new product development and diverting their production according to market demand.

Amid the pandemic crisis and plummeted demand, Jani Sales recently started its new paper mill with high-end infrastructure. "We are very pleased to do a backward integration of our business. With four decades of trading experience in the paper and paper board industry, we have successfully ventured into paper manufacturing by starting the 100 TPD plant in June at Sarigam, Gujarat, India," Said Mr. Saifee Jani, Chairman, Jani Sales Pvt. Ltd. Jani Sales has set up a 100 TPD tissue, MG Poster, and Machine-Glazed Kraft mill in the western region. "After analyzing the present market condition and the export experience we initially decided to venture into the Kraft paper production. We are manufacturing 80 TPD kraft paper of 20 to 80 GSM under 18 to 25 BF range which is suitable for various application like paper bag, décor industries, and corrugation segment,"

The new paper mill has 4.2 meters finished deckle of the machine with 850 m/min speed. Recycled fibre is the raw material for Kraft Paper.

"We will start manufacturing white (Tissue) and MG poster paper from November onwards as there is technical work going on in the pulp mill section," Mr. Jani informed.

On the present market condition, Mr. Jani says that the sign of recovery is being visible now, and we have good export order in hand. Currently, we are exporting 30 percent of production to overseas destinations.

"We have obtained the food-grade certification and also applied for an FSC certificate," He said.

The tissue segment has the highest ever growth in the paper sector, growing awareness about hygiene creating a good

scope for Tissue consumption in India. "We always wanted to make a remarkable entry in paper manufacturing and decided to come in the market with niche products. After analyzing the present market condition and the export experience we decided to enter the market with the MG grades segment, where we see a good scope of future considering the single-use plastic ban and major changes in awareness related to environmental issues, our focus would be to cater these kinds of applications to our best" Mr. Saifee added.

The new unit will produce Tissue, MG Poster, and MG Kraft paper on a single machine with 17 to 85 GSM range. "We are planning to manufacture all lower GSM paper on this specialty machine. Our range of products will consist of Kitchen Towel, Napkins, and Toilet Tissue-based on recycling waste paper and virgin pulp both," Mr. Saifee Jani said.

– The Pulp and Paper Times





Sun Paper started up PM 39 successfully ahead of schedule

Sun Paper, one of the biggest players in China's paper industry and Voith's long-term partner, has successfully started up the XcellLine graphic paper machine PM 39 at its Yanzhou site in Shandong province, China. With joint efforts of Sun Paper and Voith, the project was completed two weeks earlier than scheduled, and after the start-up, the production is stable with qualified paper rolled out. PM 39 is the 10th Voith-supplied production line operating at Sun Paper.

"We are cooperating with a passionate team", stated Hongxin Li, Chairman of Sun Paper. "Voith is customer-oriented and highly dedicated to the work involved. We are impressed by the high efficiency of Voith's project execution. We are looking forward to greater achievements by working closely together."

The new line will release 450,000 tons per year and has become the single production line with the highest capacity at Sun Paper. As the 17th line of graphic paper grade that Voith installed in China, PM 39 boasts a width of 10.5 meters, a designed speed of 1,800 m/min, and will produce uncoated offset paper with a basis weight range of 50-100 g/m².

"PM 39 is accelerating the shift in company structure optimization, and also supports in enriching product category and is bringing in higher efficiency and profit", says Wenchun Wu, Director of Graphic Paper Business Line of Sun Paper. "Sun Paper and Voith are working closely, conquered many challenges, and realized the successful start-up, even ahead of schedule."

The project once again demonstrated Sun Paper's strong capacity in project execution. Despite the negative impact inserted by the pandemic, both parties from Sun Paper and Voith have quickly made adjustments. It took 16 months from order award to start-up. For example, the installation of the first dryer to the main equipment completion was done within six months, and the entire commissioning process only took seven weeks.

At present, the Voith-supplied graphic paper machines PM 21, PM 24 and PM 29 operating at Sun Paper have an excellent performance in terms of quality, profit, and efficiency. And PM 39 will further enhance Sun Paper's competitiveness in this field.

– PULPAPERnews.com

Smurfit Kappa targets "at least net zero" emissions by 2050

Smurfit Kappa has announced new fossil CO₂ emissions targets to reach at least net zero emissions by 2050.

It has also increased its existing intermediate 2030 CO₂ reduction target by 15% to 55%, in comparison to the 2005 baseline.

The company will have these targets validated by the Science Based Target initiative as being in line with the objectives of the Paris Agreement.

The paper and corrugated giant said it has already achieved a reduction in CO₂ emission intensity of 32.9% on its 2030 target of a 40% reduction.

It has achieved this through various projects such as installation of a recovery boiler at the company's Nettingsdorf Paper Mill in Austria this year which is set to cut CO₂ emissions by an additional 40,000 tonnes, which translates into an additional 1.5% reduction in CO₂ emissions across the business.

Tony Smurfit, group chief executive, said: "We are proud to support the EU Green Deal objectives to reach net zero emissions by 2050. We have made good progress on our existing targets and these new targets underline the organisation's continued commitment to sustainability and to do better for the planet."

– Packaging News



3A Press delivers zero-defect packaging in pharmaceutical and medical device applications

Three A Press, Corp. (3A Press), an industry leader in producing printing and packaging solutions for life sciences, consumer products, and food & beverage industries, announces that its quality-first approach to manufacturing ensures the highest possible quality in folding cartons for pharmaceutical and medical device applications. These cartons are used to pack prescription pharmaceuticals, vascular products, cardiac devices, insulin pumps, contact lenses, surgical tools, patient monitoring systems, and others, and ensure consistent branding, reduced breakage, and optimize the supply chain.

3A Press uses high-resolution cameras as part of its inline sheet inspection system during manufacturing, enabling the company to deliver high-confidence, zero-defect packaging materials to Life Sciences customers. The system includes multiple inspection points, at both the press and folder steps, to reliably and rapidly detect even the minutest of print errors, such as hickies, missing print, ink splashes or streaks. With up to five inspection tolerances for different quality specifications, 3A Press guarantees error-free carton production. The inline sheet inspection system outputs Quality Inspection Reports, which 3A Press can provide to customers with each lot, to certify the quality of the folding cartons. Additionally, 3A Press' high-precision color matching and excellent color consistency ensure that packaging design are a perfect fit with existing customer branding.

A one stop solution for the packaging needs/requirements, the 3A Press ISO certified plant has the capacity to produce Folding Cartons as well as Instructions for Use (IFUs), Instruction Manuals, and Laminated Litho Boxes.

3A Press, Corp. provides industry-leading printing and packaging solutions for clients in the Life Sciences, Consumer Products, and the Food & Beverage industries. With an experienced and committed team of professionals and the most advanced technologies, 3A Press adds value to our customers' operations.

– **PULPAPERnews.com**

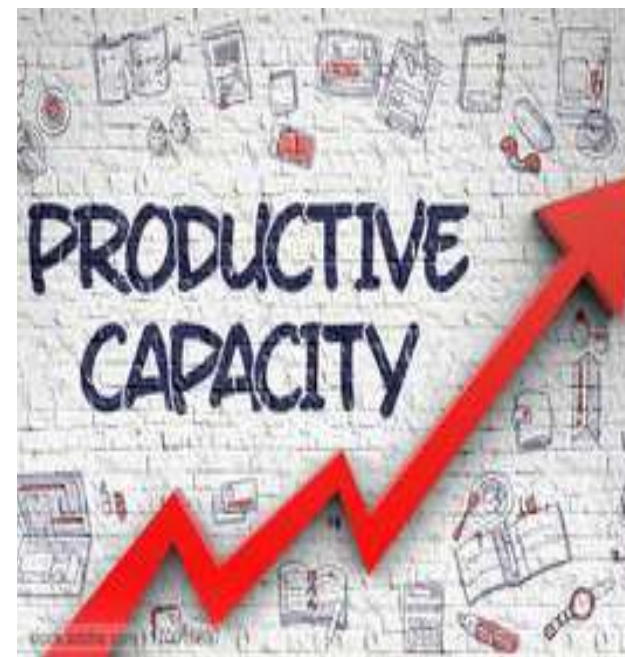
Shanying International to Build 1 Million Tonne Straw Pulp Complex in Jilin

Shanying International has announced plans to build a new production complex with a capacity of 1 million tonne each of straw pulp as well as packaging paper and board in the Jilin province in north-eastern China.

Shanying in its five-year plan has laid out ambitious plans to leverage growth from the forthcoming ban on selected disposable plastic products in China by 2025. The company is also reacting to the imminent ban on recovered paper imports from 2021.

This plan not only involves capacity increases for containerboard, wrapping paper and fresh fibre as well as recycled pulp, but also the construction of a new 1 million tonne straw pulp plant in Jilin.

– **PaperAsia**



DS Smith survey warns of excess packaging & deliveries over Christmas

Almost half of respondents (44%) also said that recyclable or reusable packaging are features of their packaging they consider particularly important, more than any other category.

Research commissioned by the corrugated packaging giant showed that British consumers may buy an extra 145 million presents online this year – taking the total to over 1bn for the first time.

Poorly designed packaging could also result in nearly 150,000 unnecessary delivery journeys and close to 2,500 extra tonnes of CO2.

This could come from a result of less packages being stacked in vans and more breakages, having a knock-on effect across the supply chain and resulting in extra vans on the road to deliver presents to homes across the UK.

DS Smith has calculated that there will be an extra 1.5 million trips by made delivery vans over the Christmas period to deliver these additional 145 million presents.

However, due to the excess packaging in the 1 billion presents being brought online, there will be nearly 150,000 avoidable delivery journeys causing 2,500 tonnes of additional CO2 emissions – a significant increase when most companies are working hard to reduce their environmental impact.⁴

There is also the impact on retailers' long-term reputations; 44% of consumers said that they would expect a replacement gift delivered free of charge should a gift arrive

broken, while 44% said they would be unlikely to buy from that retailer again and 43% said they would request a refund if a gift arrives damaged.

When it comes to delivery times, shoppers continue to demand excellence despite the pressures of the pandemic, with 44% of people unlikely to buy from a retailer again if their package turned up late and 27% of people saying they would cancel an order if they learnt their gift was going to arrive late.

DS Smith is urging retailers to invest in sustainable and effective packaging ahead of this year's predicted record Christmas to ensure presents arrive safely and on time.

Stefano Rossi, Packaging chief executive, said the rapid growth of ecommerce since the pandemic hit and the traditionally busy Christmas period is putting unparalleled pressure on the behind the scenes logistics operation.

"Where poorly designed packaging is used it has consequences – it leads to more journeys which means it takes longer for precious presents to get from A to B. Businesses need to carefully consider how they pack goods effectively and with sustainable packaging materials and help is at hand."

He added that DS Smith's packaging options reduce the space needed and the number of breakages whilst also increasing sustainability.

Additional research from IPSOS MORI also showed that 58% of consumers are concerned about the sustainability of using excess packaging, two-thirds (64%) would change where they shop if it meant using less

packaging, and 45% say they would like to see it produced in a way that has a low impact on the environment.

– *Packaging News*



Covid-19 | Paper packaging – food suppliers flourish while demand for SRP set to fall

Demand for corrugated and cartons for the food service industry has been cut dramatically, affecting the paper packaging sector.

New research from NOA, the market research specialists into the paper packaging sector, said that while public perception is that demand for paper packaging has been booming during the onset of Covid-19 due to the exponential rise in online retailing, the statistics paint a different picture.

According to Neil Osment, managing director of NOA, the global picture of demand for corrugated in a comparison year on year, shows volumes are slightly down at 98% of last year.

He said in the UK, mid-2020 volumes were down by an estimated 0.5%. In Europe, demand is also down – for example, Italy and France range between 5-10% down.

Further afield in North America, demand in the USA has fallen by a similar level as the UK, while other countries such as Mexico and Argentina have seen significant double digit drops in demand.

Paper packaging suppliers who count the food service industry among their major clients have been experiencing large falls.

By contrast, those mainly supplying food and drink into retail have been booming.

“It’s a story of winners and losers,” said Osment. “Some paper packaging suppliers for the food and drink retail sector have been seeing demand rise by 120% plus, while those in the food service sector may have

lost up to 70% of their trade, perhaps even more.”

Hidden in this trend are some interesting regional variations, which NOA researchers have uncovered, he added.

Demand has fallen away more steeply in the North West during lockdown, where customers tend to be of a more industrial nature.

However, in the South West, where a growing number of food and drink producers are based, paper packaging producers have found increased demand.

“We’ve spoken to one business which has seen an increase of 125% in volumes year-on-year and they believe their competitors are having a similar experience. Clearly, the level of demand depends on which sectors are being served, and this is feeding through to the end use market as well as regional variations.

“However, we believe the North West will bounce back, as demand begins to rise again and items in the supply chain need replenishing. Demand and stock replenishment for food and drink are much more immediately responsive. The industrial economy will tend to be slower to respond to changes in demand.”

NOA predicts the food sector will remain buoyant, sustaining its paper based packing suppliers.

However, there will be a shift within this sector from shelf ready packaging (SRP) towards distribution outers (or what NOA describes as MODIE – mail order, distribution, internet and ecommerce cartons).

With an increase in online food sales, retailers will want producers to adjust production away from the more expensive SRP style packaging, and provide goods instead in cheaper format corrugated packaging, which never has to hit the shelves.”

NOA expects retailers will want simple, inexpensive corrugated, to see a work mix change, as producers alter production away from SRP format packs and towards distribution outers.

“We were starting to see this move last year, but this will be accelerated, as retailers realise they can make savings by swapping out of SRP formats for a cheaper alternative.” Additionally, the research found that sustainability is back on the consumer agenda, with an increase in demand for sustainable packaging and more information about its provenance.

“Some international corrugated producers are showing great leadership regarding the environmental qualities of corrugated. For the first time, one of these global corrugated companies are taking out full page adverts in the national papers in Europe to highlight their credentials in sustainable packaging. And of course, Sir David Attenborough is back in the news, and that is good news”

– **Packaging News**





Cascades Tissue Group Wins Award for Reducing Energy Waste to a Pulp

Cascades Tissue Group was selected by FOCUS ON ENERGY® to receive one of its 2020 Energy Efficiency Excellence Awards for its outstanding efforts to incorporate energy efficiency into its facility. Focus on Energy's Excellence Awards honour programme participants who have shown a commitment to leading in energy efficiency. With utility provider Xcel Energy, Cascades first began working with Focus on Energy in the late 1990s. In 2015, the manufacturer performed an audit of its facility to determine its level of efficiency and what measures could be implemented to increase energy savings.

"Cascades Tissue is a leader in paper mill energy improvements and recognition for

their accomplishments is well deserved," said Oscar Brandser, Xcel Energy's key account manager. "It's been a privilege to be a member of their energy team for over 15 years." Cascades received a follow-up audit in 2016, which produced a list of energy-efficient upgrades that Cascades could implement within its operations to save energy and money. The paper manufacturer subsequently got to work making those improvements, which included updating the plant's lighting to LEDs, incorporating best practice procedures into its day-to-day operations, and installing emerging technologies to improve the facility's manufacturing process efficiency. These projects have resulted in energy savings of 136,784 therms – enough to provide energy to 83 homes for one year – and the upgrades completed from 2018 to 2020 have produced USD256,000 in annual savings for the mill. Furthermore, Cascades received over USD387,000 in incentives from Focus on Energy for its projects over the last two years.

"The incentives provided by Focus on Energy are often the difference between moving forward with a project or not," said Cascades Tissue's Energy & Innovation Manager, Mike Armstrong. "Our partnership with Focus has allowed us to implement numerous projects that might not have happened without their help."

Furthermore, Cascades makes a point to approach energy efficiency in various ways to cover all of its bases: through capital funding, energy measurement and site engagement to lead overall energy improvement efforts of its facility. The paper manufacturer also integrated principles from Focus on Energy's Strategic Energy Management Program into

its operating culture to consistently drive waste-reducing strategies and incorporate mindfulness of energy use into the company's leadership practices.

Cascades' Eau Claire site has actively engaged with Focus on Energy since 2015 to take full advantage of the Program's resources and incentives. This includes regular communication with the plant manufacturer's Energy Advisor from Focus on Energy, Tim Hasbargen, for guidance and expertise when considering energy-saving measures.

"Cascades is active in energy reduction as an ongoing effort, which is not just isolated to a specific project," said Hasbargen, who nominated the paper manufacturer for the Excellence Award. "Cascades consistently demonstrates a sustainable culture of efficient energy usage through corporate support, an enthusiastic site energy team, and energy management."

Few Wisconsin paper manufacturing sites have made strides in energy efficiency to the length that Cascades accomplished has over the past five years. The company completed site validation of its energy improvements to ensure it would achieve the intended results. In addition, Cascades uniquely allocates its capital funding at a corporate level, reducing the amount of competition for site funding amongst other projects.

The plant also measures energy both at a departmental level and at the large energy-user level, increasing awareness of energy consumption, providing a foundation for effective energy management and allowing for the prioritization of further energy-efficient upgrades.

"Focus on Energy has been instrumental in

helping Cascades Tissue reach our goals for energy efficiency,” said Armstrong. “Their guidance has introduced us to new technologies and best practices in the paper industry.” Cascades’ ongoing efforts to implement energy-saving projects alongside Focus on Energy demonstrates its strong commitment to growing energy efficiency. The paper manufacturer earned its recognition as an Energy Efficiency Excellence Award winner and has undeniably established itself as a true leader in reducing energy waste for its community and the greater Wisconsin region. Focus on Energy is working with utility companies across the state throughout September and October to present Energy Efficiency Excellence Awards to 14 outstanding businesses.

Focus on Energy, Wisconsin’s energy efficiency and renewable energy resources program, partners with 107 utilities across the state to offer energy expertise and financial incentives to residents and businesses that choose to reduce energy waste. A third-party evaluation last year revealed Wisconsin runs the most cost-effective energy efficiency programmes in the nation, in terms of energy savings per dollar spent. A separate evaluation released this year found every USD1 invested in Focus on Energy generates USD4.80 in benefits for Wisconsin, including economic benefits, reduced energy costs and reduced pollution.



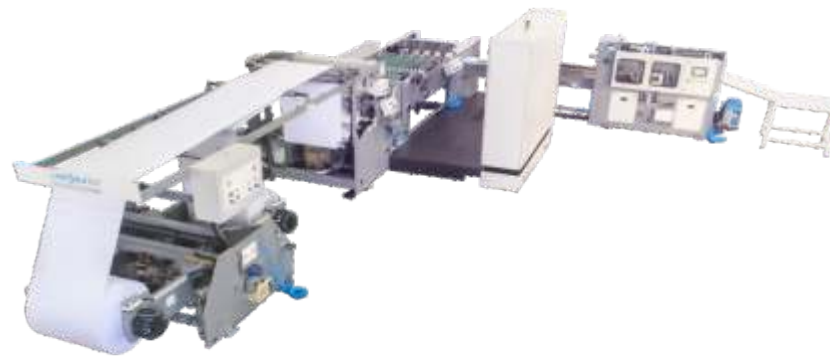
NEW TECHNOLOGIES

Line O Matic Graphic Industries

We are pleased to announce addition of “Aura” series Folio size sheeter. It is suitable for paper as well as board. We have 3 different models to offer – (1) Aura RS145, (2) Aura RS165 & (3) Aura Rs195



We have also introduced “Ignis RR90” model in A4 Cut Size Sheeter series which is 4 pocket machine to convert A4 reams directly from paper reels.



Built with both, efficiency and precision in mind, with an easy-to-operate central interface, the Aura & Ignis, is an industrial paper converting machine that is designed to be an affordable option for entry level companies looking to enter this market segment. Companies can get more details on visiting Line O Matic Website: www.lineomatic.com

PARTNERSHIP OPPORTUNITIES

There are many different ways of benefitting from the Paperex exhibition.

You can increase your company's exposure by becoming a Partner of the show, advertising in the exhibition's promotional materials, or simply visiting the show and gaining first-hand information about the new developments in the market and latest technology advancements. Branding gives an excellent opportunity to stand out from the crowd, reinforce, enhance and establish corporate visibility amongst the targeted audience. Branding is a great way to reinforce your brand message with benefits including:

- Enhance your leadership status
- Educate and inspire a targeted audience with your products and services
- Raise brand awareness and create preference to a targeted audience
- Build leadership status in the industry
- Create positive PR and raise awareness of the organisation as a whole
- Build brand positioning through associative imagery
- Create internal emotional commitment to the brand
- Provide innovative solutions to the industry
- Provide revenue generating ideas



INDUSTRY SPEAK

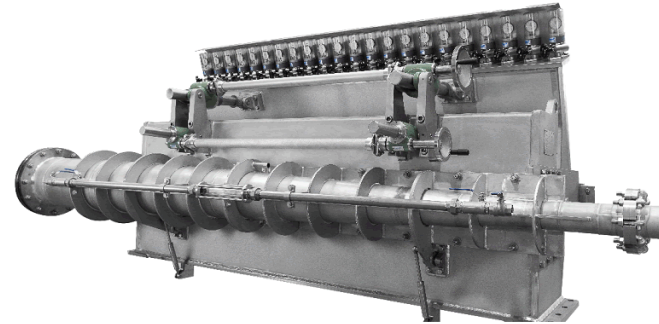


Mukesh Kumar
Managing Director
M K Process Technologies

Post Covid-19 world will be very different than the one we used to live in and India will play much greater role in World's Affairs. Corona crisis has brought us lot of pain but also provided the opportunity to build stronger and self-reliant India. The process has already begun. Focus is again shifting to the manufacturing sector after learning the hard lessons from cheap imports. In back drop of the disruption caused by Corona and unprecedented challenges posed un-reliable regimes, companies for the world are now looking for safer and reliable democracies for investment. In the changed world, India is now being considered as attractive investment destination. However, we need to improve our tax laws, labor laws and land acquisition process to increase the competitiveness. We also need to be careful in choosing more reliable partners. Opportunities are indeed knocking right at the door of India with most of the world economies expecting us to be their new manufacturing hub. For the Paper Industry, there would be an opportunity for local paper machine manufacturers as well as Paper mills will get benefit from expected decline in dumped cheaper imports. We as a nation need to be geared up to avail these opportunities and fulfill expectations of the new world. This certainly is a new beginning with tougher today but with a better tomorrow.



Head Box



MEDIA SPEAK



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.

Many challenges

The industry is constantly faced with several challenges in terms of cost, technology, knowledge, regulations, and environment. The changing economic conditions, trade and market preferences imposed by the pandemic have added to the woes of the industry in the form of raw material

shortages, particularly seen in kraft paper based packaging, imports of machineries, and slowdown in production and commerce. Notwithstanding the challenges, the growth drivers are distinctly defined for the industry even during this current crisis. It is thus, for the industry to leverage the considerable opportunities available in the various spaces and emerge as a significant global player in the sector. Strengthening capabilities in terms of technology, skills, efficiency, and competitiveness will be crucial going forward. Package manufacturing and packaging services are the two potential segments for the Indian packaging sector, where the industry can expand considerably both onshore and offshore.

– **The Hindu Business Line**



Waste Paper-based Writing & Printing Mills are in the Doldrums

Registering a significant demand drop in writing and printing paper, paper mills in Uttarakhand have been operating at a lower level of capacity utilization. Describing the scenario under the present COVID situation, Mr. Pawan Agarwal, Managing Director of Naini Group said during an IPPTA's webinar that, waste paper-based writing and printing (WP) paper mills are under tremendous pressure in the state; very low demand and prices have put their survival at stake.

Speaking at webinar's topic 'Covid19 Its Effect and Head Wind That Paper Industry Faces Months Ahead' Mr. Agarwal further describes the gravity of the situation close to 180 participants virtually and said that Waste paper-based WP paper mills are running just 10 to 12 days in a month, while virgin fiber-based mills are slightly better off. They have been able to break even during this tough time. Agro-based mills have achieved close to 50 percent production level.

There are 35 paper mills in Uttarakhand producing 1.6 million tonnes of paper in a year. They are producing broadly Kraft, Writing & Printing, Duplex board, Tissue, and MG paper.

"Kraft paper mills are running close to 100 percent capacity utilization, a shining factor, Duplex board is again operating at 100 percent" Mr. Agarwal informed.

He suggested to paper mills to have a hard look at their assets whether it is pulp mill, machine or finishing house, and try to optimize input cost in the best possible manner. Tweak with raw material and chemical composition to optimize the cost of production.

He insisted to add diversified products in the 'basket' in order to pass this tough time.

Mr. Pawan says that prices have gone up for Kraft paper mills by 15 to 20 percent but their cost of production has simultaneously gone up by the same percentage, so they are not really better off.

– **The Pulp and Paper Times**



FMI: Unbleached softwood kraft pulp market growing with the increase in demand for sustainable packaging

Rising demand for eco-friendly packaging solutions has been enabling growth in the global unbleached softwood kraft pulp market, finds an ESOMAR certified market research and consulting company in a recent market study. According to a study, the global unbleached softwood kraft pulp market is expected to rise at 4.6% CAGR during the forecast period from the year 2020 to 2030.

Pulp packaging is bio degradable and environment friendly as well as cost-effective to be used widely in the retail and logistics sectors. As a result, the global market is expanding consistently with the increase in demand from the packaging industry.

Unbleached softwood kraft pulp being the main sustainable raw material for the pulp and paper industry, has a broad range of applications starting from printing to wrapping, making it highly required all over the world. As the focus on restructuring of production units is increasing fast, the demand for unbleached softwood kraft pulp products are getting sky-high all over the world.

Despite facing decline in market growth due to COVID-19 pandemic, global unbleached softwood kraft pulp market hold high potential to expand further in the coming years.

Study offers an exhaustive overview of the global market as well as its growth drivers and restraints.

Some of the key takeaways from the report are highlighted below –

- Northern unbleached softwood kraft pulp is anticipated to dominate the global market among all other product types
- Grade-wise, chemical pulp is expected to maintain the lead throughout the forecast period
- Packaging industry and other packaging products are anticipated to exhibit hegemony among all other applications during the forecast period
- Packaging industry is set to emerge as the dominant end user among all other industries
- Australia will dominate all other countries during the forecast period followed by New Zealand
- Increase in concern for environment is expected to expand the green packaging solutions industry further, resulting in propelling the global market growth

“Increasing demand for sustainable raw materials for diverse applications such as printing, writing, packaging, and others are steering the unbleached softwood kraft pulp market growth. Considering this, surging environmental concerns will bode well for the market, enabling sales in the coming years,” says an analyst.

Due to the outbreak of COVID-19 pandemic in the current year, the global market growth has declined due to the decrease in unbleached softwood kraft pulp products demand. The restraining factors such as non-operational manufacturing units, scarcity of raw materials, unavailability of enough manpower, financial crisis, job recession, and others have further decreased the market growth in the year 2020.

According to an analyst, the global unbleached softwood kraft pulp market is anticipated to gain back its full potential by the first quarter of 2021.

In order to leverage the unbleached softwood kraft pulp market potential, the key market players are investing heavily with emphasis on launching quality products to target diverse end users.

For instance, Domtar Corporation has announced mill conversion in partnership with Kingsport in November, 2020 in order to produce more quality unbleached softwood kraft pulp. They have also released their LIGHTHOUSE® FLUFF PULP and PAPERGRADE PULP in year 2020 which are used worldwide for manufacturing various products such as baby diapers, adult incontinence products, feminine hygiene products, printing and writing products,

tissues, towels, packaging grades, and others.

Canfor Corporation has launched their advanced ranges of Kodiak Kraft and polar kraft in the current year, which are manufactured from forest resource and popular for their high strength, efficiency, and fine northern fibers. Canfor Corporation has also been named a BC Top employer for the 7th year in 2019.

According to study, as the global market is growing fast by both its value and volume, the key market players are expected to experience tough competition in the coming years.

– **PULPAPERnews.com**



Online fashion consumers increasingly demand sustainable packaging

A new survey conducted by Smurfit Kappa has revealed that European consumers are demanding more sustainable packaging from brands before making online fashion purchases.

The survey, which was conducted with consumers across four European countries, found 41% of online fashion shoppers have become more eco-conscious when buying the latest fashion online since the onset of the Covid-19 pandemic.

The research, which surveyed consumers in Germany, Ireland, The Netherlands and the UK, found nearly half of consumers purchase fashion items online once a month or more, reflecting its increasing popularity among both female (44%) and male (43%) shoppers. It found that 35% of fashion consumers stated they would not make an online purchase from a fashion company if they discovered its packaging wasn't eco-friendly. A majority of those surveyed stated the efficient use of materials (62%), use of sustainable materials (61%), and seeing a brand's sustainability credentials (56%) contribute to a positive impression of their online purchase once they receive their package.

Two thirds of consumers (66%) believe online fashion retailers are responsible for ensuring their packaging is sustainable.

Arco Berkenbosch, VP of innovation and development at Smurfit Kappa, said: "Across the four markets surveyed, consumer sentiment and focus on sustainability is

consistent, highlighting the growing appetite from European consumers that brands should continue to prioritise and commit to improving their practices in sustainability even during the current economic crisis."

– **Packaging News**





COVID-19's Potential Impact on Commercial Hand Towel Demand

Dwight Eisenhower famously remarked: "In preparing for battle, I have always found that plans are useless, but planning is indispensable."

Gen. Eisenhower came long before this COVID-19 pandemic, but he understood the difficulty of planning with incomplete information. Having a plan, even if it involves wrong assumptions, provides the best understanding and ability to react to events that unfold.

As we continue to navigate toilet paper-hoarding habits and disruptions in tissue production and distribution, the demand for public hand washing support in this new normal could increase significantly.

This article explores how that might drive changes in paper hand towel production and distribution as we come out of global lockdown and get back to business.

How Clean Are We, Really?

The COVID-19 pandemic has brought a new focus on cleanliness and preventing the spread of disease through personal contact and contaminated surfaces. We have experienced epidemics like this in the past, but SARS, MERS, and ZIKA receive global only had a regional impact. Ebola caused worldwide concern, however, none of these events had enough global impact and personal disruption to significantly change Individuals hand washing behaviour.

Tissue makers focused on the commercial or the away-from-home market have long understood that hand washing and drying with a paper towel is an underserved market need. If people followed professional guidelines there would be a significant increase in paper hand towel demand.

There are two problems with this simple recommendation — not everyone washes their hands, and those who do rarely take the prescribed time to do so properly.

A 2003 study by the American Society for Microbiology found 83 percent of women washed their hands after using the restroom, but only 74 percent of men did the same. And this isn't unique to the US as a British study conducted in highway service station restrooms, using electronic sensors to measure compliance found that 65 percent of women and 35 percent of men washed their hands.

There are many reasons why people don't clean their hands. It's probably most difficult

in a medical setting (where washing is required after each patient interaction) than in food processing where the work is continuous. Frequent hand washing can irritate skin and cause topical infections. Public restrooms are not always clean and some try to get out as fast as possible without stopping at the sink.

We don't know what life in the post-pandemic world will be like, but it's reasonable to expect some changes to our routines and behaviours that will be permanent.

We are now very aware that soap and water destroy the virus with no need for anti-microbial additives. Hand sanitizer has some efficacy but isn't a complete answer to removing soiled material or killing other resistant germs like the gastrointestinal norovirus.

So those in the tissue and towel industry have to ask themselves:

What if this pandemic results in a sea-change in hand washing compliance and frequency?

What if patrons of restaurants, hotels, and truck stop all demanded better hygiene facilities?

What if people started washing their hands after touching public handrails and buttons?

What if more people head to the washroom after arriving at a destination or consuming food or drink on the go?

If hand washing habits truly change, how will we dry our hands?

The two common alternatives for tissue products when it comes to drying one's hands are cloth towels (typically used at home) and the dreaded air dryer commonly found in public restrooms.

Most people start these air dryer units, give up, and walk out while wiping their hands on their pants. So why do proprietors and building managers install these dryers if no one likes them? It comes down to space utilization. They can avoid storing paper towels and taking care of wet paper towel waste.

To be fair, electric hand dryers have improved. Several hand dryers have emerged with high-velocity air that can successfully dry hands in about 10 seconds. Finally, air dryers are useful for the first time. These dryers suggest using electricity is a benefit because it reduces paper towel consumption. But why is this a benefit and who is benefiting? The coal plant producing the electricity?

Now with hygiene and hand washing at the forefront our daily lives, we understand air dryers create conditions for cross-contamination and defeat the purpose of hand washing.

In a report published in the respected Mayo Clinic Proceedings (2012 Aug; 87(8): 791–798.), the authors state that:

“From a hygiene viewpoint, paper towels are superior to electric air dryers. Paper towels should be recommended in locations where hygiene is paramount, such as hospitals and clinics. ... Many studies have found friction to be a key component in hand drying for removing contamination. Bacteria were removed from washed hands by the mechanical abrasive action of drying with paper towels. And microbiological testing of the paper towels after use indicated that

many bacteria were transferred from the hands to the paper towels.”

The impact on the tissue business would be large, but American tissue producers have been quiet on the issue in the past, unlike European producers.

Maybe this time is different. Tissue makers should be proud of the role they play in public health and willing to promote the products.

- PaperAsia



Pandemic-Induced Spike in Waste Highlights Urgency for Embracing Circular Economy

The COVID-19 crisis is generating a rising tide of waste. Some of this increased waste has been driven by pure necessity. Before the current pandemic, we would not have thought much of personal protective equipment (PPE) such as masks, gloves, gowns and visors. As it turns out, these simple medical devices have been critical in keeping hospitals operating and protecting medical and frontline workers. These items have been so critical that governments, organisations and individuals have all scrambled to stockpile them at the onset of the pandemic amid global shortages.

Unfortunately, their protective value is in part due to their disposability, designed to be replaced frequently to prevent the spread of the virus. Made from fiber and, crucially, plastics, these devices are presenting a different kind of problem months later. Improperly discarded PPE has been washing up on beaches, or contaminating household recycling.

Navigating a new world of potential risks is also leading to an increase in single-use plastics and paper. Amid the quarantine, many restaurants have rolled out take-out and delivery operations, leading to a pile of disposable utensils and containers. And after making some headway with bans on plastic bags and straws last year, some of the progress has been suspended due to hygiene fears over reusable alternatives.

In each of these cases, recycling is prohibited due to the risk of contamination, or by prohibitive costs.

About 13m tonnes of plastic end up in the ocean every year. A 2019 study found that global plastic production has quadrupled over the past four decades and if the trend continues, the manufacturing of plastic will make up 15% of greenhouse gas emissions by 2050. Comparatively, all of the world's forms of transportation currently represent 15% of emissions.

Plastics break down over time and add to the large accumulation of microplastics in our seas, air and food. As we are producing and discarding plastic to fight a public health crisis, we may be contributing to another, especially if this spike in plastic use becomes the new normal.

There can be no doubt that plastics play a crucial role in our society, but this rapid growth in demand for plastic products challenges us to rethink our problem of plastic waste. It is now more relevant than ever to press forward on the circular economy agenda as the world begins to look beyond the pandemic and toward recovery. It would be all too easy for us to return to old habits and business-as-usual, instead of seizing the opportunity to push toward a more resilient, circular and low-carbon economy.

Plastics are by no means the only cause for concern. Paper, often cited as the alternative to plastics in some areas of packaging, must also re-evaluate its place in a post-COVID society. While paper and other fiber-based

products have the benefit of more rapid decomposition and natural bio-circularity (raw materials are replanted after

harvesting), the process of production and distribution also has an impact. Trends of over packaging and under recycling can erode paper's environmental lead.

Following the pandemic, the Ellen MacArthur Foundation proposed two areas ripe for exploration; in medical devices, and the production and distribution of food. Applying circular economy principles could strengthen these fragile global supply chains, improving readiness and reducing the impact of future pandemics.

As illustrated by the shortages of medical equipment around the world, the principles of circularity may provide credible solutions: design and product policy factors such as repairability, reusability and potential for remanufacturing offer opportunities in competitiveness, and more importantly, stock availability. Adaptable design and patterns could also help achieve reductions in material and energy consumption or uncover more efficient alternative materials and processes. By implementing circular economy strategies, we can move forward more confidently, without straying away from our low-carbon commitments.

The transition to a circular economy is no longer an abstract concept. The ways in which a circular model can contribute to the recovery will be more detailed as we progressively gain a better understanding of the economic consequences of the COVID-19 crisis.

For paper producers, this means making

continued improvements across the entire paper lifecycle, from cultivation, production, product design, recyclability and compostability, to ensure that as little resources as possible is wasted.

Like our response to the pandemic, our response to the issues of circularity and waste will require sustained effort. Our success will rely on the involvement of all stakeholders, coming together in solidarity and common purpose.

- PaperAsia



CSR ACTIVITY

Roto Pumps Ltd

Being Socially Responsible:

Govt. Junior School, Agahpur, Noida, UP, India

Continuous Upgradation of School Infrastructure to Ensure Quality Education for Underprivileged Children.

The Kalpatru Shiksha Kendra, Zewar, UP, India

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- Visit "Paper Manufacturer" networking pavilion
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- **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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A globally preferred brand in positive displacement pumps, Roto Pumps is a public listed company with presence across 5 continents and a rich legacy

of over 50 years. Established in 1968, Roto Pumps is the pioneer

manufacturer of Progressive Cavity Pumps in India, renowned for providing efficient and reliable pumping solutions to a diverse range of industries including Wastewater, Sugar, Paper, Paint, Oil & Gas, Chemicals & Process, Ceramics, Food & Beverages, Renewable Energy & Power, Mining & Explosives, Marine & Defense and many more.

With its state of the art manufacturing unit based at Greater Noida, India & Ultra modern R&D centre based at Noida, India, Roto Pumps is successfully exporting to more than 50 countries.

Roto Pumps is ambitiously working towards its expansion by strengthening the strategic global partnerships, establishing new branches & subsidiaries across continents and aims to be among the top 5 positive

displacement pump manufacturers with a presence in 100+ countries.

Manufacturing Infrastructure

Roto Pumps has strong roots in

manufacturing and engineering and has over the years been able to develop efficient manufacturing processes both in the field of metal cutting and rubber processing. The company infrastructure is spread over a combined factory area of 30,000 sq. meters.

Capabilities: Advanced Machining Setup

Our machine shop includes sophisticated machines, including CNC machines, Special Purpose Machines, In House Tool Room, Skilled manpower and strict Process Controls thus ensuring consistent world-class quality components.

RESEARCH & DEVELOPMENT

Research and development capabilities are one of the key differentiators that help Roto Pumps to maintain its leadership position in the market. Our world class R&D team keeps upgrading the existing product range to enhance efficiency and reliability, develop high end customized solutions, innovate new technologies, and reduce the life cycle cost of our products.

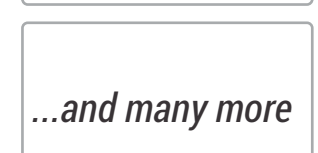
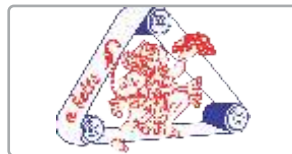
We are proud to be an organization recognized by the Department of Scientific & Industrial Research (DSIR) of the Government of India for its research and development capabilities.

Line O Matic Graphic Industries



Line O Matic Graphic Industries is one of the world's largest & leading machinery manufacturers for the exercise notebook, paper converting industry & packaging industry. We are pioneer in introducing the most innovative and revolutionary technologies in the industry







...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