

News and Views...

September 15, 2020



INDUSTRY NEWS



Covid vaccine likely by early 2021, will be happy to take first shot to address trust deficit: Harsh Vardhan

The coronavirus vaccine might be ready by the first quarter of 2021, Union health and family welfare minister Harsh Vardhan said on Sunday. "While no date has been fixed for the vaccine launch, it may be ready by the first quarter of 2021, he said.

Harsh Vardhan also said that the government is considering emergency authorization of COVID 19 vaccinations to senior citizens and people working in high-risk settings. "This shall be done after a consensus has been reached," he added. The National Expert Group on Vaccine Administration for Covid-19 is drawing up a detailed strategy on how to immunise the majority of the population, he said during the 'Sunday Samvad' programme where he interacted with his social media followers and answered their questions.

The Health Minister also assured that the

government is taking full precautions in conducting the human trials of the vaccine. "Issues like vaccine security, cost, equity, cold-chain requirements, production timelines, etc, are also being discussed intensely," he said. He assured the vaccine would be first made available to those who need it the most, irrespective of their paying capacity.

Harsh Vardhan also said he would be happy to take the first dosage of the vaccine if some people have a trust deficit. His statement came in the wake of an incident in the UK where one of the participants in the ongoing trial of the University of Oxford's vaccine candidate developed a severe complication right after being administered its dose. The Minister also informed about vaccine candidates and their development in India.

"Department of Bio-Technology (DBT), as well as the Indian Council of Medical Research (ICMR), have been pro-active in responding to the emerging situation to support the advancement of vaccine candidates. India is actively partnering with the Coalition for Epidemic Preparedness Innovations (CEPI), and trials at different phases are ongoing with respect to several vaccines in Indian laboratories (private or public) and hospitals," he said. The minister also noted that a safe and effective vaccine will help in establishing immunity to Covid-19 at much faster pace as compared to natural infection. It is hoped that a consensus will emerge in the next few months over the desired level of protective herd immunity in any community, he said.

– *The Times of India*

AstraZeneca trials to resume in UK

The clinical trials of a coronavirus vaccine being developed by Oxford University and AstraZeneca, which had to be halted last week, will resume in the United Kingdom, the two partners said in separate statements. Clinical trials for this vaccine candidate, considered one of the most promising, had been paused last Sunday, after one of the trial participants developed a serious ailment, that several news reports described as a neurological disorder affecting the spinal cord. The trials were halted so that an independent expert team could verify whether the illness was caused due to the vaccine, or something else. On Saturday, Oxford University said both the expert team, as well as the UK drug regulator, had completed their safety review. "The independent review process has concluded, and following the recommendations of both the independent safety review committee and the UK regulator, the MHRA (Medicine and Healthcare products Regulatory Agency), the trials will recommence in the UK," the statement from Oxford University said. It did not say what conclusion the expert body had reached about the cause of the illness. Also, it did not mention the fate of clinical trials happening in other countries – Brazil, South Africa, the United States, and India. Trials had been halted in all these countries. In Brazil, South Africa and the United States, the clinical trials are in phased-3, while in India and England, phase-2 and phase-3 trials are being conducted simultaneously.

– *The Indian Express*



India's Covid-19 recovery rate up at 77.87%, Maharashtra among 5 states with most recoveries
Five states, including worst-hit Maharashtra, account for 58% of the recovered cases of the coronavirus disease in the country as 3.7 million people have been cured of Covid-19 so far, the government said on Sunday. India's Covid-19 tally mounted to 4,754,356, with 94,372 new infections and 1,114 deaths in the last 24 hours, according to the Union health ministry's dashboard at 8am. The death toll has climbed to 78,586, data showed. The country's recovery rate now stands at 77.87% after 78,399 patients were cured of Covid-19 between Saturday and Sunday morning, according to the Union health ministry.

The government said Maharashtra, Tamil Nadu, Andhra Pradesh, Karnataka and Uttar Pradesh are among the states that have contributed to the 3,702,595 recoveries. Maharashtra has reported 17.2% recovered cases, Tamil Nadu 13.1%, Andhra Pradesh 12.2%, Karnataka 7.9% and Uttar Pradesh 7.8%, the Union health ministry said. Maharashtra continues to lead with more than 13,000 recoveries while Andhra Pradesh has contributed over 10,000 to the single-day recoveries, it said.

The same five states also account for 60% of the 973,175 active Covid-19 cases in the country. Of the 94,372 new infections that have been reported in the past 24 hours, Maharashtra alone has contributed to more than 22,000 cases. It is followed by Andhra Pradesh and Karnataka with more than 9,000 cases each, the ministry said. "Nearly 57% of the new cases are reported from five states. These are also contributing 58% of the new recovered cases," it said. The health ministry's data showed there are 973,175 active cases of Covid-19 in the country, which comprises 20.47% of the total caseload. Maharashtra has more than 280,000 cases followed by Karnataka with more than 97,000 cases, the ministry said. Maharashtra (28.79%), Karnataka (10.05%), Andhra Pradesh (9.84%), Uttar Pradesh (6.98%) and Tamil Nadu (4.84%) account for 60% of the active Covid-19 cases in the country. Out of the 1,114 fatalities in the last 24 hours, the western state has reported the maximum of 391 deaths followed by Karnataka with 94 deaths, whereas Tamil Nadu has seen 76 deaths.

– *The Hindustan Times*

German Organisers Power Up for Worldwide Trade Fair Programme in 2021

The German exhibition organisers are planning around 360 foreign trade fairs in around 40 countries next year. This is the result of a survey conducted by AUMA – Association of the German Trade Fair Industry among the organisers of foreign trade fairs who are members of AUMA and the Special Association for Fairs and Exhibitions (FAMA). The German exhibition organisers are planning around 360 foreign trade fairs in around 40 countries next year. This is the result of a survey

conducted by AUMA – Association of the German Trade Fair Industry among the organisers of foreign trade fairs who are members of AUMA and the Special Association for Fairs and Exhibitions (FAMA).

These exhibitions were geared to the standards of leading international trade fairs in Germany. Accordingly, they are summarised by AUMA under the seal "German Trade Fair Quality Abroad (GTQ)". For 2020, 375 foreign trade fairs were originally registered; due to the corona pandemic, 107 trade fairs were rescheduled and 49 were cancelled.

The foreign trade fairs in 2019 went remarkably well. German exhibition companies organised a total of 330 trade fairs outside Germany in 2019, more than ever before. Compared to their respective previous events, the number of exhibitors increased by 2.4%. The number of visitors exceeded the nine million mark for the second time since 2017.

A comparison with the respective previous events shows a 5.8 % increase in visitor numbers. Among the five events with the highest number of visitors were four automotive exhibitions and one trade fair for production automation. With the exception of one automotive exhibition in Korea, the shows were held in China. As Germany's most important foreign trade partner, China will remain the most important target market for German organisers from the AUMA and FAMA membership in 2021. Last year, 90 trade fairs were organised there. That is a share of 27% of all foreign trade fairs of German organisers. Thirteen of the eighteen organisers held trade fairs in China in 2019. The four fairs with the largest number of exhibitors were also held there.

– *Exhibition Showcase*



Events industry body proposes SOPs for re-opening events

The events industry, one of the worst hit sectors due the pandemic has asked the central government to reconsider the cap of 100 people even as the government recently announced that political, religious, and other corporate events will be allowed starting September 21st.

In the wake of opening up of the industry, the Events and Entertainment Management Association (EEMA) representatives have shared a set of standard operating procedures (SOPs) with the government, highlighting their readiness for conducting events as well as the importance of the sector in kick-starting the economic engine. "We were generating Rs 5 lakh crore, out of which Rs 1.7 lakh crore was from the organised sector and remaining Rs 3.3 lakh crore was from the unorganised sector. But more than that, we are probably the only industry which is adding to the happiness index of the country. What value will you assign to it?," asked Lalit Gattani, chairman of EEMA Government Interaction Committee and CEO, Showcraft Productions.

The events industry, which had come to a standstill due to the Covid-19 related restrictions has already lost around Rs 40,000 crore as per various estimates. In all over 10 million people have been directly affected due to the crisis and are losing jobs and livelihood.

Gattani said that EEMA formed a task force with experts of various domains and come up with detailed SOPs.

"We have already presented the SOPs to the minister of state for Home Affairs, Nityanand Rai and have urged him to present it to the government task force. We have also requested meeting with the task force to present our points," he added.

On the cap of 100 people, Gattani said that EEMA requests the government to keep it open based on the size of the venue on a 4 square metres per person formula. "Instead of putting a ceiling, we suggest let's make it as per area available for the venue. We will still adhere to all the protocols," said Gattani. Talking about the industry, Gattani said that it has 30% women employees out of 10 million and average age of the employees is 35 years, while that of business owners is 45 years.

"The industry was growing at a 23% rate till Covid19 hit," he said.

The events industry encapsulates all kinds of events including M.I.C.E (meetings-incentives-convention-exhibition), political events, religious events, weddings as well as entertainment-based events like live concerts, sports meets and award ceremonies.

– *The Economic Times*





Oxford COVID-19 vaccine: Serum Institute to resume trial in India after DCGI's nod

After AstraZeneca resumed Oxford University coronavirus vaccine trial in the United Kingdom, Serum Institute of India on Saturday said that they will restart the trial in the country once the apex drug regulator allows. Commenting on the resumption of trial, Adar Poonawalla, the chief executive officer of Serum Institute of India said, "We should not jump to conclusions until the trials are fully concluded."

AstraZeneca paused its trials late Tuesday after observing "a single event of an unexplained illness that occurred in the UK phase III trial". Later, Pune-based drug maker suspended the clinical trials of Oxford COVID-19 vaccine in the country. The vaccine maker took the decision based on instructions from the Drug Controller General of India (DCGI) V.G. Somani. On

Wednesday, the central drug regulator issued a show-cause notice to the company, asking it to explain why it was not informed about AstraZeneca pausing the clinical trial of the Oxford coronavirus vaccine candidate.

Commenting on the resumption of trial in India, Poonawalla said, "The recent chain of events are a clear example why we should not bias the process and should respect the process till the end."

Oxford University said in a statement that the UK regulator had recommended that the trials resume after an independent review of the safety data.

"The UK committee has concluded its investigations and recommended to the MHRA that trials in the UK are safe to resume," said the AstraZeneca.

AstraZeneca's pause of an experimental vaccine for the coronavirus after the illness of a participant is a "wake-up call" but should not discourage researchers, the World Health Organization's (WHO) chief scientist earlier said. "This is a wake-up call to recognise that there are ups and downs in clinical development and that we have to be prepared," Soumya Swaminathan told.

Serum Institute of India partnered with AstraZeneca to manufacture the Oxford COVID-19 vaccine candidate for low-and-middle income countries. Pune-based vaccine maker earlier shortlisted 17 sites in India for the Phase II clinical trial of COVID-19 vaccine. At least 1,600 candidates aged between 18 to 55, will participate in the trial.

– Live Mint



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



Valmet to acquire PMP Group this fall

Valmet has entered into an agreement to acquire PMP Group in Poland.

The value of the acquisition is approximately EUR 64 million, plus a conditional and capped earn-out component.

The acquisition is estimated to be completed on October 1, 2020 at the earliest. PMP Group supplies process technologies and services for tissue, board and paper machines globally, focusing on small and medium-sized tissue machines and board and paper machine rebuilds. The net sales of the company were approximately EUR 70 million in the fiscal year 2019.

The company employs about 650 people, the majority of whom are located in Poland and the rest in China, USA and Italy.

"PMP's technology and services portfolio for small and medium-sized tissue, board and paper machines will be a very good

complement to Valmet's current paper technology and services for wide and fast machines and rebuilds," says Jari Vähäpesola, business line president, paper business line at Valmet, in a statement.

"Together with PMP's product portfolio, their competence and presence in strategic markets, we will create new business opportunities and further strengthen our capabilities to serve paper, board and tissue producers globally. PMP has a very skilled team and I am happy to warmly welcome them to Valmet."

Mirosław Pietraszek, PMP group president, says, "Joining to Valmet opens a new chapter in PMP's rich history in the pulp and paper industry and represents a huge leap forward for our future development.

"I am convinced that the joint technological, production and human resources in our key markets will allow us to reach new heights and ultimately benefit the advancement of the entire paper industry."

– Pulp & Paper Canada

A.Celli Paper acquires PMT Italia

A.Celli Paper SPA, main affiliate of Italia Technology Alliance Group, announces the acquisition of PMT Italia – Paper Machinery Technology, a company operating in the production of machinery for tissue and paper industry.

PMT Italia, based in Pinerolo, was born in 2000 but shares a long tradition of expertise and success as former subsidiary of Beloit Corporation. It was in fact, for over 50 years, the main European headquarters of the

American group with the name of Beloit Italia. Thanks to its consolidated know-how and skills, PMT Italia has successfully operated in the tissue and paper market for a further twenty years.

With the entry of A.CELLI PAPER SPA, PMT ITALIA's range of products will get fresh impetus through synergies with the organization and know-how of A.CELLI PAPER SPA. The specific and cutting edge technologies developed in the field of packaging papers, cardboard, printing, will be available for the group worldwide customers, and the Customer Service division will be restructured and strengthened as well, in order to guarantee continuity and reliability to customers operating with ex-Beloit / PMT ITALIA machineries.

With this operation, carried out in a period of general uncertainty, we want to demonstrate the desire to guarantee cutting-edge technologies and timely assistance for Italian and foreign companies operating in the strategic sector of paper and tissue.» states Mauro Celli, shareholder of ITALIA TECHNOLOGY ALLIANCE «Maintaining this heritage in Italy is an important step that will bring benefit to the entire paper supply chain, including the district of Lucca



Paper sector lobbies Indonesian Embassy over exports

Representatives of the UK recovered (waste) paper industry went to the Indonesian embassy in London yesterday (10 September) seeking clarity on the paperwork requirements for the export of material to the south east Asian country.

In the wake of the deputation, Dr Simon Ellin, chief executive of the Recycling Association, which co-ordinated the visit, warned that UK exporters could face a crisis situation with restrictions in China, Indonesia and Turkey, "three of the top five" export markets; (see also: 'Turkeys move to use more domestic material').

The Indonesian government has developed a process for exporters of waste paper and other recyclable materials to register with Indonesian Embassies and Consulates to be allowed to supply the country with material. It is believed that any business not registered by 1 October will be unable to ship material to Indonesia.

Registration

However, the registration process in the UK was suspended in August. Many within the waste paper sector have yet to see their applications approved, seemingly amid confusion at the Indonesian embassy about the process. Exporters from other European countries and the USA are said to have been able to complete their registrations.

The small delegation, because of the pandemic, consisting of Dr Ellin and two Recycling Association members, Mike Challans, quality manager at WinFibre UK,

and Pankaj Chowdhary, director of Ekman Recycling Limited, arrived at the Embassy in London at 10.30 on Thursday morning. They were hoping to discuss their concerns with Nur Rakhman Setyoko, the Indonesian trade attaché. Mr Challans had also hoped to see his registration approved during the visit.

Dr Ellin told *letsrecycle.com*: "Indonesia is in the top three destinations for UK paper. Added to what's happened in Turkey this week, it represents crisis time for the UK.

"So, we decided to come here to doorstep the trade attaché, hoping to see them and get some clarity. Desperate times call for desperate measures."

Restrictions

Concerns have been raised about the impact the potential suspension of exports could have on price; a halt on exports to Indonesia could force down the price of used cardboard, though this might be ameliorated by ongoing exports to China and other markets.

Dr Ellin said he believed Asosiasi Pulp & Kertas Indonesia (APKI), the Indonesian pulp and paper industries association, was also lobbying the southeast Asian country's government to provide clarity on the restrictions.

Following the meeting Dr Ellin said that he was pleased the Embassy was "more aware" of the Association's concerns although nothing had been resolved during the visit.

"Our main hope is that this whole process might be postponed for some weeks as mills need the material and the Embassy needs time to come to terms with the process. We

have concerns that there is no consistency in what is happening across their embassies and consulates because other exporters, such as the US, Australia and Italy who have got approval, will be able to steal a march on the UK."

And, Dr Ellin reiterated his concerns that with China soon to close the doors on waste paper imports, Turkey imposing quotas and now the Indonesian difficulties, the UK might find it could not move waste paper.

"I have been saying for a long time that with the Resources & Waste Strategy setting higher recycling targets, attention needs to be paid to markets for material. There still remains a logic in markets which send the UK goods, taking recyclable material back for use by their mills and reprocessors.

– [Letsrecycle.com](https://letsrecycle.com)





Pringles is testing a new can design after a recycling group dubbed it the 'number one recycling villain'

Pringles is testing out a new can – at least in the United Kingdom.

For years, the iconic tall tube that houses the hyperbolic paraboloid-shaped potato chips has been at the top of a list of worst offenders when it comes to reusability. In 2017, a recycling trade group in the UK deemed the can the "number one recycling villain."

Now Kellogg's, which owns the Pringles brand, is trying out a new design made of recycled paper in three Tesco grocery stores in England, the company announced in a news release. The cans appeared on shelves on Wednesday and the test will run for six weeks, according to Kellogg's.

The company will test out two versions, one with a paper lid and one with a plastic lid. Both lids will be recyclable, according to Kellogg's.

"We are eager to play our part and reduce our impact on the planet," Miranda Prins, Pringles vice-president, said in a news release. "And, Pringles fans expect that of us too. So, we've worked hard to come up with this new can

which is widely recyclable and keeps our chips fresh and tasty and protects them from breaking up – which helps to reduce food waste." Kellogg's said the new design was part of the company's goal to make all packaging 100% reusable, recyclable or compostable by the end of 2025. The company said it will collect consumer data and feedback on the new packaging and if successful, the design could be expanded across Europe.

The current can is a combination of foil, paper board, metal and plastic that is difficult to recycle due to the number of different materials involved. The Recycling Association, the UK-based group that has criticized the Pringles can, said the design was an encouraging sign but that there was still room for improvement in the packaging.

"This new version is an improvement, and we broadly welcome it," Simon Ellin, chief executive of the Recycling Association, told BBC News. "But, frankly, if they are going to stick to a plastic lid that'll just add to problems with plastic pollution – people on picnics leave them behind and they find their way into streams and the sea. That plastic lid has got to go."

– [CNN.com](#)

Nestlé launches Maggi organic bouillon cubes in recyclable paper wrapper

Maggi has broken new ground by becoming the first major brand to use recyclable paper packaging to wrap individual bouillon cubes, for its organic range in France. This is the latest result of an innovation drive to use more paper packaging for Nestlé products. The new solution is a coated paper that is recyclable through the paper stream in France. Until now, the bouillon cubes have been wrapped in a

multi-layer laminate that includes aluminum. Agnes Lalanne, Global Category Lead for Cooking Aids at Nestlé, said: "We want to provide both healthy and more sustainable options. That's why we're happy to bring recyclable paper packaging to a favorite like these Maggi organic bouillon cubes."

The paper used for the wrapper is from sustainable sources – pulp and paper mills certified by the Forest Stewardship Council (FSC) and The Program for the Endorsement of Forest Certification – and its development marks another step in Nestlé's commitment to make all its packaging recyclable or reusable by 2025, as the company works towards a waste-free future. Torsten Pohl, Head of Nestlé's Product Technology Center for Food in Singen, Germany, said: "The main challenge our team faced was the creation of a foldable, sealable material that is robust enough to provide a sufficient barrier – to keep the product fresh and safe – whilst also being readily recyclable."

Ahead of the launch, the team also worked to refurbish and upgrade existing packaging machines, to allow the new paper wrapping to run on them.

Maggi products – including bouillons, soups, seasonings and sauces – are sold in over 90 countries. Nestlé selects local ingredients where possible to ensure that its bouillon cubes provide an authentic taste and texture, consistent with regional preferences and cooking styles. The cubes are fortified with vital micronutrient in some markets, for example where iron deficiency is widespread.

– [The Packman](#)

Mahadev Craft Paper Invests Capex INR 50 Cr. to roll out 200 TPD; Trial Production successful

In the tough time of lockdown, when paper industry is struggling for demand pick-up, new investment in the paper industry is seemed to be a nightmare. In the all segment of paper grade, kraft paper's demand is getting boost due to changed customer behaviour. E-Commerce and FMCG are playing a fruitful role for kraft paper mills. The Corrugated boxes demand have increased multi-fold.

Exclusively talking to The Pulp and Paper Times, Mr. Piyush Trivedi, Director at Mahadev Craft Papers Pvt. Ltd. explains the current scenario "The multiple rises in boxes demand is proving boon for kraft paper industry. Even in lockdown situation, we are all set to roll out our trial production in next ten days. The year 2020 is very crucial for new investment but soon after, it will give you good return,"

Situated at Meshana, Gujarat, Mahadev Craft has recently completed the trial production on the machines. With a total outlay of INR 50 cr.; the new paper mills is aiming to produce 200 TPD kraft paper production on Double wire machines with 250 TPD extended Pulp mill.

"We have installed the latest technology to produce the high RCT paper for corrugators and tube grade manufacturing. We have appointed a team of experts to maintain and examine the quality parameters of the paper. We are feeling proud to be associated with paper industry," said Mr. Trivedi.

Mahadev Craft will supply quality craft paper of 120 to 300 GSM in local market to corrugators, dealers and traders. "The 3.95 meter finished deckle machine will produce 18 to 32 BF paper" Mr. Trivedi informed.

On the question of future expansion, Mr. Trivedi added that "we have already bought 250 TPD pulp mill section from Parason Machinery, keeping in mind to enhance our capacity by laying down third wire. The market condition and demand sustainability will decide our capacity enhancement".

The new paper has installed all the critical components to assure quality paper to its buyer. "Our plant will work in highly automatic environment. We have procured all the plant and machinery from D.M. Engineers, Bakrol in Gujarat. We are very glad to sign up with D.M .Engineers for satisfactory services. They designed the machinery according to our need with high standards. Some elements of the machinery are imported from China and some section like wire parts bought from Micro Fab Industries.

To protect the environments, Waste water treatment (ETP) plant has also been installed. The ETP set up has been supplied by Krofta Engineering. Mahadev Craft will generate around 150 to 200 employments directly.

Mr. Trivedi concludes that "the opening of export market will be deciding the demand factor. It will rise if export continues," In addition, growing demand from food & beverage industry and rise in demand for packaged products are also propelling the Corrugated Box Packaging demand. Corrugated box packaging protects items during long distance transportation. They are

extremely cost effective, sustainable, lightweight, versatility and completely recyclable.

– The Pulp and Paper Times



INDUSTRY SPEAK



Satish Singh
Managing Director,
M/S. Nnoweta Performance Chemicals Pvt. Ltd.

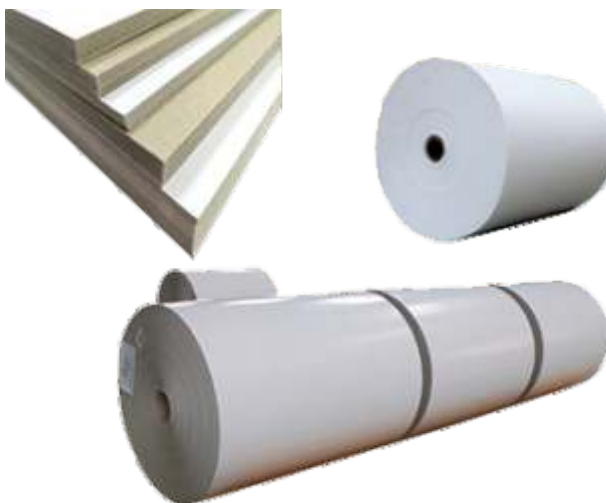
We are praying for everyone to be safe and healthy under Covid 19 pandemic, with all the efforts from the Government trying hard to control the situation on to ease out in due course of time. Believing that the collective efforts by us and all are going to help in resolving the disease spread once for all.

Good news is that under the current circumstances, NNOWETA resumed its operations with limited resources and manpower ensuring our standard operating procedures in place as per the Government guidelines to put-forth the much more precautions as priority on SAFETY MEASURES in line as directed by Government.

It can be said that only the strongest & most resilient businesses will grow. Sustainability, innovation and supporting digitization are key items of Paper Industry Customers which are looking for to become more competitive in the future. It is a must to

educate and create awareness now amongst industry professionals regarding the underlying cause of their very own power quality issues.

As travelling & services restricted we are trying & putting efforts to appoint local agencies to keep in touch with our clients regularly. Hoping and expecting in couple of month things will be back to normal.



MEDIA SPEAK

Corrugated packaging market to top \$200 billion by 2025

The latest data for the global container board and corrugated packaging market shows that consumption of the latter will reach 160.5 million tonnes in 2020, with a value of \$170.7 billion.

Expert analysis in the Smithers report – The Future of Global Corrugated Board Packaging to 2025 forecasts that global corrugated board will increase at a compound annual growth rate (CAGR) of 3.8% across 2020-2025 to reach \$205.7 billion. The volume of board consumed worldwide will increase at a slightly slower rate to reach 193.2 million tonnes in that year.

The Smithers study tracks micro and macro trends in this industry for 2015-2025. This is segmented across for six corrugated grades – unbleached kraftliner (UBKL), white-top kraftliner (WTKL), unbleached testliner (UBTL), white-top testliner (WTTL), semi-chemical fluting (SCF), waste-based fluting (WBF); 15 end-use applications; and 63 countries and world regions.

The Covid-19 pandemic will see a marked impact on corrugated consumption in certain sectors and regions, especially those worst affected by the virus. In terms of end-uses food shipments will be least affected while other consumer items will see a more significant drop.

These will be mitigated in developed regions by the strong increase in e-commerce as stay-at-home consumers undertake more online shopping. Several board converters have

developed e-commerce specific delivery designs to capitalise on this, accentuating what the industry has already identified as a key growth segment.

In the longer term Smithers analysis identifies the following major business trends that will support further use of corrugated board packaging.

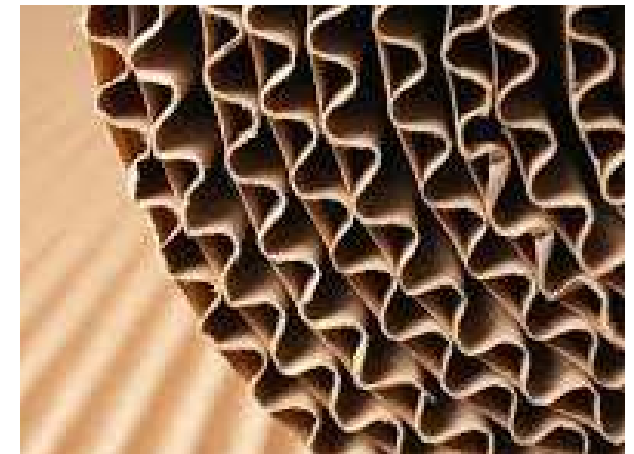
- o Recycling and sustainability will remain a key concern for converters and brand owners; but oversupply of materials is liable to generate new price pressures
- o Demand for finer flute grades for high-quality printed cases and as alternatives to folding cartons will rise
- o Further pressure for lightweighting of corrugated designs will have a negative impact on volume sales as less fibre delivers an equivalent required performance
- o E-commerce will continue to expand, even once lockdown (shelter-in-place) orders have been revoked; this will generate new need for white-top liner that can receive
- o High-quality print graphics in particular
- o Dimensional (DIM) weighing in packaging, and the focus on minimising extraneous protective components will slow some of the expanded use of corrugated in direct-to-consumer e-commerce shipping
- o There will be more use of retail-ready packaging formats, as more modern retailing expands into developing markets in Asia and elsewhere
- o Digital (inkjet) printing will increase

overall demand for better quality substrates and expand the options for packaging printers in both standard and RRP corrugated formats

- o New coating technologies, including bio-based polymer solutions will help improve the recyclability of coated corrugated grades
- o Industry consolidation will continue leading to greater concentration of capacities and more uniformity for users.

These trends and the essential technologies that will help make them a reality over the next five years are examined in depth in the Smithers study. They are used to provide context to the wider picture of the industry across 2015-2025 given in the Smithers data set, with over 350 data tables and figures. Combined these provide an unparalleled level of insight into current and future demand for containerboard and corrugated packaging.

– [PULPAPERnews.com](https://www.pulpapernews.com)



New film shines light on the US paper and packaging industry's legacy of innovation

Through intimate stories of mill workers and paper science and engineering professionals, "Paper Makers" explores the story of an industry that's worked in tandem with nature for years. McLean, VA (September 9, 2020) — Debuting today, a new documentary gives an inside look at the U.S. paper and packaging industry's decades-long legacy of environmental stewardship. A story of grit, passion and dedication, "Paper Makers" provides a rare and intimate insight into how the industry's foresters, mill workers and engineers have cared for the land, working in tandem with nature for generations. In a critical decade for climate action, "Paper Makers" looks at the philosophy and practices that have made the U.S. paper and packaging industry a vocal advocate for responsible land management, sustainable design and the protection of our planet's most valuable resources.

Paper is at the forefront of environmentally friendly innovation with top brands and corporations across personal care, food and beverage, and fashion, making the switch to paper packaging as part of their sustainable business strategies. There's new attention on paper-based materials to provide solutions for some of society's biggest environmental challenges. But how did the industry get here? "For generations, our mill workers and foresters have protected the natural resources they're charged with. The industry gives back more than it takes and helps manage forests and the ecosystems that

depend on them," said Mary Anne Hansan, president of the Paper and Packaging Board. "Trees are our planet's only fully renewable resource. The paper and packaging industry's environmental practices are inherently designed to protect and cultivate this vital circular system. Telling that story through the eyes of industry workers — folks who are truly the vanguards of environmental stewardship — is really important for people to understand."

"Paper Makers" offers an intimate look at one of America's oldest natural industries through the eyes of the workers who cultivate the sustainable forests it depends on and develop technologies that will nurture and protect them for years to come. The film aims to educate packaging designers, environmental engineers and business leaders on how paper can help them design the sustainable solutions of tomorrow and show consumers why paper can be a sustainable choice for the planet.

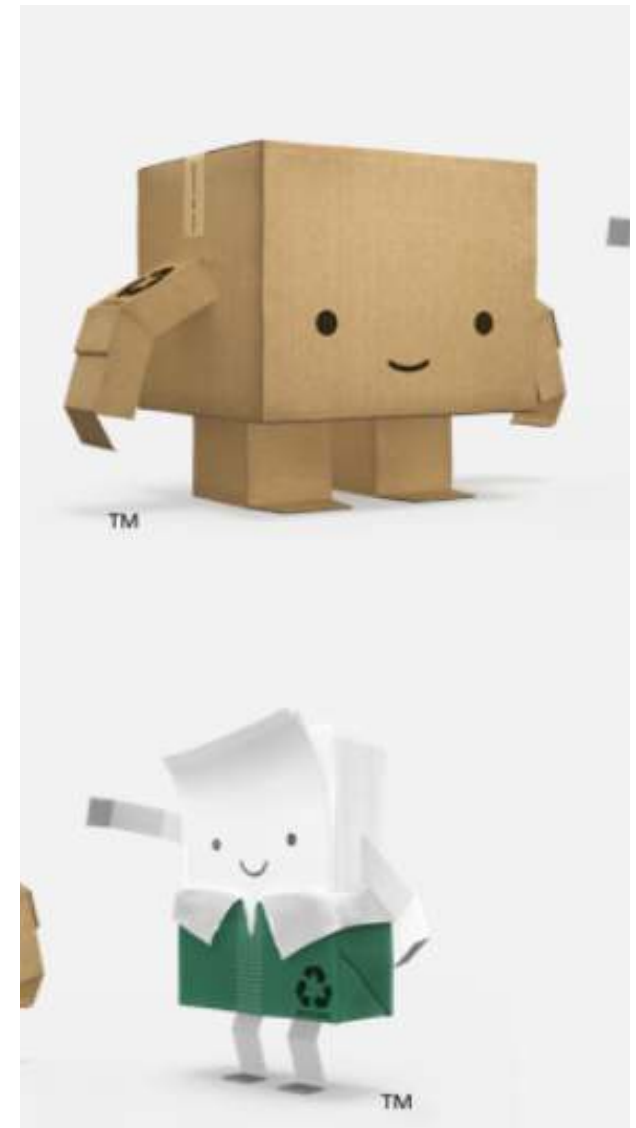
The film unearths little-known facts about how the industry works to conserve and regenerate important resources and pass sustainable practices from generation to generation:

- o The paper and packaging industry helps make cleaner air by planting roughly twice as much wood as it harvests every year.
- o The industry is, in many cases, self-sufficient, making $\frac{2}{3}$ of its power from non-fossil-fuel sources and even producing enough to send power back

to the grid.

- o Fibers are reused multiple times and recycled to make new products. Paper is one of the most recycled materials on the planet, at a rate of 66.2% per year.

-PULPAPERnews.com





SAGE advises that single use paper towels should be used in public washrooms to help control COVID-19

As people get ready to reopen many businesses, SAGE (the Scientific Advisory Group for Emergencies that provides scientific and technical advice to support government decision makers during emergencies) has reviewed the evidence on the spread of COVID-19 and the efficiency of mitigation measures. One of the issues considered is washroom hygiene with a large amount of useful information on cleansing and air flows.

Specifically on hand drying the documents states: Replacement of jet dryers with paper towels

Rationale: Jet air dryers can aerosolise microorganisms from poorly washed hands.

Incomplete drying of hands means that contamination can persist on hands.

Evidence: Mechanistic studies to show microbial dispersion and studies using surrogate microorganisms show persistence of contamination. No direct evidence for transmission.

Practical considerations: Relatively easy action to temporarily take dryers out of action and provide paper towels. Need to consider the management of paper towel waste. Longer term there are cost and energy implications.

- Papnews



NEW TECHNOLOGIES

MK Process Technologies

Offers state of the art equipment and technologies for Pulp and Paper Industry in association with international companies. Our recently added product line in our portfolio include **Krumar Knives & Blades**. Production Line:

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 - o tobacco industry
 - o textile industry
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 - o wood industry
 - o leather industry
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 - o footwear industry
 - o paper processing industry
 - o plastic industry
- Heading and extruding dies and punches
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- Punching tools, tools for shaping, forming and extruding metals and plastomers, tools for pressure casting
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a Hyve event

6 - 9 December 2021

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- Engage with the leaders at "Exclusive Paper Mills CEO/MD Conclave"

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- **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



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37 Models Of Centrifugal Water Pumps In Din 24255 / En 733 Standards For Industrial Applications Up To

550 M3/Hr Capacity And 100 Meters Head

34 Models Of Centrifugal Chemical Pumps In Din 24256 / Iso 2858 Standards For Industrial Applications Up To 900 M3/Hr Capacity And 140 Meters Head

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- New products: COVID-19 PRODUCTS
- Calibration & repairing services with NABL accredited certificate
- AMC services
- Spare parts of testing equipments i.e. Calibration Foil & Diaphragm, etc





...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