



News and Views...✍

July 14, 2020

INDUSTRY NEWS

IIT-Delhi develops device to disinfect N-95 masks in 90 minutes

The IIT-Delhi has developed an ozone-based decontamination device to reduce bio-medical waste and enable safe re-use of N-95 face masks. The device, called Chakr DeCoV, will help re-use a mask up to 10 times. It was launched on Friday via a video-conference by Minister of State for Health and Family Welfare Ashwini Kumar Choubey.

The mechanism was developed by an IIT start-up – Chakra Innovation – which has been approved by the Indian Medical Council of Research-National Institute of Virology (ICMR-NIV). According to the IIT, the device can kill up to 99.99 per cent of bacteria and virus in the mask. According to its makers, the device can decontaminate an N-95 mask in 90 minutes, following which it can be re-used 10 times.

The officials said ozone is a strong oxidizing agent that destroys viruses by diffusing through the protein coat, resulting in damage to the viral RNA (ribonucleic acid) hence destroying the virus. "Proper dosage and exposure of Ozone can result in inactivation of SARS CoV-2 and a 99.9999% reduction in bacterial load, after which an N-95 mask can be re-used for up to 10 times without any impact on the filtration efficiency," said Tushar Batham, vice-president engineering, under whom the device has been developed.

– *The Indian Express*

India's COVID-19 recoveries cross 5-lakh mark, recovery rate at 62.78%

The number of COVID-19 patients who have recovered in the country crossed the five-lakh mark on Saturday, the Union Health ministry said and attributed it to a number of measures taken by the Centre and the state governments, including implementation of containment zones and surveillance activities. India's COVID-19 tally surged to 8,20,916 on Saturday while the death toll climbed to 22,123 with 519 people succumbing to the disease in 24 hours, according to the health ministry's data updated at 8 am. A series of proactive, preemptive and coordinated measures have been taken by the Centre and the state governments for containment and prevention of COVID-19, it said.

– *The Times of India*

MLA starts mental health centre to combat Corona stress in Jodhpur

The Covid-19 pandemic and the lockdown have negatively affected the mental health of scores of people as stress, depression and suicidal tendencies are increasingly becoming common. To address the issue, Congress MLA from Jodhpur Manisha Panwar has set up a special Help Centre to extend a helping hand to the people in need. Every evening, Manisha's office in the city's prime area of Sardarpura is turned into a special Mental Health Center. Mental health specialists, social activists, and advocates visit the centre to help the depressed people. The MLA also spares time for the health centre every day. She asserts, "In this critical period, we try to help anyone who is battling stress or depression for any reason. It is our social duty to ensure that any person who is facing anxiety should be able to come to this center and get some relief."

– *The New Indian Express*

Gaze-controlled robotic arm to aid speech and motor impaired

A research team at the Centre for Product Design and Manufacturing of the Indian Institute of Science has designed a robotic arm that can be activated by eye movement using a computer interface to help those with Severe Speech and Motor Impairment (SSMI). The gaze-controlled computer interfaces can help them perform various tasks on par with their non-disabled peers.

The team worked with young adult students who have SSMI in Chennai. "Many of these students with cerebral palsy are not able to precisely focus at a single point in their visual field, due to uncontrolled gaze movement. They are also not comfortable looking at all portions of the visual field equally," said project lead Pradipta Biswas, Assistant Professor at CPDM.

Biswas and his team used computer vision and machine learning algorithms to analyse live feeds of facial video from the users, and were able to estimate where the user was looking. They coupled this with an Augmented Reality application to allow the user to use a robotic arm for tasks like picking up and dropping objects, and placing them where they desire, as long as it is within the reach of the robotic arm.

– *The New Indian Express*



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

Paper Bag Day 2020

Paper bags are an environment-friendly alternative to the harmful plastic bags and "Paper Bag Day" is celebrated worldwide on July 12. The day aims to spread awareness about using paper bags instead of plastic to help reduce plastic waste that take thousands of years to decompose.

American inventor, Francis Wolle, has been credited for his patent of the first paper bag machine in 1852. The "Mother of the Grocery Bag" - Margaret E. Knight in 1870 designed the square, flat bottomed bag, and the machine that would fold and paste them.

Millions of people have switched to paper bags which are reusable as well as recyclable. Not only are they biodegradable, they can withstand a lot of pressure. They are also easy to handle. Paper bags are also more preferred by many who are conscious about the environment and appreciate brands that opt for paper instead of plastic. The fact that a large number of people are eco-friendly; biodegradable paper bags are much appreciated by customers.

- NDTV.com

Debt free! Andhra Paper in focus as SBI MF, Damani take stakes

Interest in Andhra PaperNSE -0.90 %, a debt-free company with a strong balance sheet, has spiked after market purchases by big investors like Radhakishan Damani and SBI Mutual Fund, the country's largest fund house.

While Damani bought over 1 per cent last Friday, SBI MF acquired nearly 8 per cent on June 25. Shares of Andhra Paper were locked in 20 per cent upper circuit at Rs 254 on Monday, but they are still 44 per cent below the 52-week high of 452.

Andhra Paper reported earnings per share of Rs 53 for the year ended March 2020 and the stock is available at a PE of 4.6. It has grown its profit by 47.11 per cent over the last five years and its return on equity of 30 per cent. It has Rs 171 crore in cash and Rs 936 crore in reserves as on FY20. Promoters hold about 82 per cent of its equity.

- ET Markets

Need to move paper imports from free to restricted as imports from China go up 14%: IPMA

The import policy in case of Paper needs to be immediately changed from 'Free' to 'Restricted' and paper imports need be allowed only on the basis of Actual User License to halt the continued and indiscriminate import of paper from China and ASEAN, Indian Paper Manufacturers Association (IPMA) has stated in a communication to the Ministry of Commerce & Industry.

According to the latest data released by DGCIS, Govt of India, total import of paper in India increased by 11% to 1.6 million tonnes in FY 2019-20. During the same period, imports from China went up by 14% to 289 thousand tonnes. Imports from ASEAN and South Korea under India-ASEAN FTA and India-Korea CEPA respectively, at nil import duty, went up by 18% and 9% respectively during the year. Chinese exports to India enjoy a margin of preference of 30% on most paper grades under APTA.

- The Pioneer

Pharma, FMCG and speciality chemicals likely to turn leaders in next 6 months: Mayuresh Joshi

As per the CANSLIM methodology, sectors where earnings should relatively hold up include pharma, FMCG and speciality chemicals, Mayuresh Joshi, Head- Equity Research, William O'Neil India, tells Moneycontrol's Kshitij Anand in an interview.

The economic and financial deleveraging expected to be caused by the pandemic has been largely gestated by the markets and the same has been reflected by the downgrades in global GDP and individual economies as well.

However, GDP is expected to bounce back significantly in the next financial year and as markets are a discounting mechanism for events that are expected to unfold over the next four-six quarters, the fall took the expected economic issues in its stride.

- Money Control

Paswara Papers launches low-cost corrugated board bed for corona patients; Prototype is under approval process

India's one of the largest kraft paper manufacturers, Paswara Papers has introduced a prototype of the medical bed made from corrugated board fibre to fulfill the growing demand for hospital beds amid corona pandemic.

Talking to The Pulp and Paper Times, Mr. Deeps Agarwal, Director Paswara Papers said, "Here at Paswara Group, the team is always working towards indefinite possibilities and a sustainable future. This bed is made using 100% corrugated Kraft Paper. The low cost 100% recyclable bed weighs just 10kg and can withstand up to 250kgs while being water-resistant at the same time, suitable for Covid19 cause".

"We have used 180 GSM paperboard of 25 BF in manufacturing these beds. Our purpose behind launching this bed is to benefit local administration in fighting the corona pandemic. We have already sent the prototype bed to Government Authorities for approval. They liked our concept and design,"

"We are waiting for the green signal to initiate the mass production of the beds," Mr. Deeps said.

- The Pulp & Paper Times

Pudumjee Paper Products recorded 60% jump in net profit for FY 19-20; earned INR 27 Crores

Pudumjee Paper Products Limited (PPPL) has reported encouraging results for the year ended 31st March, 2020 in spite of lockdown during last 10 days of the year.

During the year ended 31st March, 2020, the Company produced 68548 MT of paper, an 8% increase over 63607 MT produced during the same period in the previous year. While the Turnover for the year increased by about 3% to Rs.60448 lacs (Rs.58952 lacs), EBIDTA for the period increased by 49% to Rs.6092 lacs (Rs.4083 lacs) due to improved operating efficiency and lower cost. Profit Before Tax for the year ended 31st March, 2020 showed a rise of 60% and stood at Rs.4105 lacs (Rs.2562 lacs) while Profit After Tax for the year stood at Rs.2721 lacs (Rs. 1674 lacs). Pudumjee manufactures various specialty papers required as input for packaging material in pharmaceutical products, hospital supplies, hygiene sectors, food, confectionary etc.

- The Pulp & Paper Times

INDUSTRY SPEAK



Piyush Patel
MD
Amtech Electronics (India) Ltd.

We at Amtech are committed to support our customers in Pulp & Paper Industry in the current pandemic situation. During the lockdown, our sales and service department assured that our customers do not suffer in case of any problem. We provided remote guidance / assistance in case of any technical issues and resolved successfully. The new projects are worst affected by the deliveries of the equipment. But Amtech has kept the momentum going on. We are working hard to meet the deliveries and ensure that our customers are least affected by the current situation. We believe in serving India and the entire world through products designed & developed by Indians and Made in India - Made for the World. We offer our customer the NextGen Technology which reduces overall energy consumption, improves paper quality & productivity, provides flexibility in operation and better monitoring of plant. It is our pleasure and pride to have customers like you who recognize the Brand India and are truly Vocal for Local. For over 30 years we are providing Total Solutions in motor control automation, power quality & energy conservation and industrial electronics to our most discerning clients in the paper industries. We crafts energy saving, speed regulation and intelligent control strategies in to their daily workings to improve the bottom line.



V K Agarwal (Paper Technologist)
CEO
Pap-Tech Engineers & Associates

"We shall become a Leading Global Company that makes contributions towards cultural advancement through paper and allied industry." Pap-Tech Engineers & Associates is putting in efforts to generate value for and offer fulfillment of our customers by manufacturing and supplying highly valued Lab Testing Equipments and Pulp-Paper machinery with complete plant on turn key basis.

All the staffs of Pap-Tech Engineers & Associates are unified in putting in efforts to become an outstanding manufacturer of Lab Testing Equipments and supplying Pulp-Paper machinery with complete plant on turn key basis and is making contributions towards social and economic advancements on the foundation of our outstanding competent personnel and technological capabilities.

Moreover, we are continuously developing new products and improving our Manufacture processs. We shall persist in putting in efforts to satisfy all the requirements of customers by manufacturing high quality instruments and machineries and perfect quality control system. Accordingly, we pledge to become a company that satisfy our customers and the foremost leading

company in the world on the basis of the best quality and technology. We seek your continued interests and encouragement for the future of Pap-Tech Engineers & Associates striving to continually achieve further advancements.



Abhishek Jain
Director
Mahaveer Group

Mahaveer Group is one of the leading brand indisposable industry which integrates manufacturing, R&D, sales and service with over three decades of experience in design, manufacturing and maintenance and related technology driven and vibes. Mahaveer Group believes that its core values of trusteeship, customer focus, respect for people, excellence, innovation and nation orientation have been guiding principles behind the organization's phenomenal growth, helping it to become one of India's most admired and valued enterprises. Mahaveer Group continues to capitalize on opportunities in high growth markets, expanding its core areas and diversifying into new business. Mahaveer Group understands its social responsibility and tries to work for the betterment of the society. Recently we have introduced various disposable items under our new brand name "ECOSILS" composed of bio-degradable paper material which gets decomposed and is purely eco-friendly. Also, during this pandemic situation of COVID-19, Mahaveer Group launched its health division through manufacturing of surgical face masks, face shields, PPE Kits and iN95 face masks having best and international quality standards.

MEDIA SPEAK

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



IT Tech Packaging reports strong sales of non-medical single-use face masks

IT Tech Packaging, a leading manufacturer and distributor of diversified paper products in North China, today announced that it recognized revenue of RMB6.73 million through June 30, 2020 from sale of 6.28 million pieces non-medical single-use face masks since launch of the production line at the end of April 2020.

The capacity of the non-medical single-use face mask production has ramped up to approximately 100,000 pieces per day to the market. We sold a total of 6,279,780 pieces single-use masks between the end of April and the end of June and we recorded a total sales of RMB 6.73 million, with gross margin of approximately 60%, which is higher than the anticipated 40% when launching the production in April. The orders are increasing at a robust pace from our purchasing partners and the products are being sold to institutions, drugstores and supermarkets in Hebei Province.

- PULPAPERnews.com

Latin America's largest power utility company relies on Voith monitoring system

Eletrobras Eletronorte, Latin America's largest power utility company, is using pulp and paper giant Voith's monitoring system OnCare.Health Hydro at the Belo Monte hydropower plant in Brazil. Commissioned in 2019, the system provides highly accurate data analysis and machine diagnostics as well as real-time monitoring of different components in the plant. A unique deep database and user-friendly visualization thus allow for early error detection and condition-based maintenance.

As majority shareholder of the Norte Energia consortium, which owns the Belo Monte power plant, Eletrobras Eletronorte carries out the operation and maintenance at Belo Monte. The facility is comprised of countless machines and components, many of them from different suppliers.

To ensure smooth operation and reduce downtime to a minimum, it is necessary to assess and compare the condition of the machines and the performance between power units. Voith has been both a trusted partner to Eletrobras Eletronorte as well as a supplier of various state-of-the-art components. As part of a service contract, Voith was tasked with continuous monitoring of the plant's machine data with the help of OnCare.Health Hydro.

- PULPAPERnews.com



NEW TECHNOLOGIES

Amtech Electronics (India) Ltd.

The internet and globalization has opened the door of information and competition respectively. Every industry is going through the pressure of cost competitiveness without compromising the quality. Pulp & Paper Industry is no more exception. Amtech is a leading from front to help our customers as far as the electrical needs are concerned. From 2-pole structure to plant monitoring, we do everything! Our products and solutions are indigenously developed in our in-house R&D. Our products are Made in India – Made for the World.

The key areas of improvement which brings the competitiveness as well as improves the quality are the energy consumption and productivity. With NextGen solution, Amtech helps customer to save energy and improve productivity. Amtech's NextGen Technology is embedded with unique algorithm, a combination of efficient hardware and intelligent software, which ultimately improves the efficiency and productivity. The NextGen Automation Software is the result of our three decades of experience in motor control and automation solutions. The focus is on efficient and reliable integration of various hardware peripherals, optimize processes with fast response and increase communication capabilities. The NextGen Automation Architecture reduces field cabling and increases reliability. This architecture gives smart controlling and monitoring of plant with proactive actions to give highest uptime. The NextGen Smart Drives with Enhanced efficient control algorithm of Architecture class improves dynamic response of speed and torque control. Built with next generation efficient components improves efficiency and reliability.

Emphasize is on easy commissioning, easy connectivity and easy fault diagnosis. The NextGen Technology correlates all paper parameters with its integrated solution. This takes down all data viz. GSM, Steam, Power, monitoring of all the motors in plant whether they are running on VFD, Soft Starter, DOL, start/delta starter for running status, current, fault etc and gives energy management in real sense. Intra-logistic solutions open the opportunity to handle finished paper for dispatch.

Amtech provides NextGen Turnkey Electrical & Automation solutions for Green field projects of any size of plant and type of paper. Amtech is also offering Emerging Industry 4.0 Solutions for Smart Factory. Our innovative solutions are NextGen Turnkey Pulp and Paper plant Automation, Sectional paper machine Automation with VFD, Headbox Automation, Steam and Condensate system Automation, Pulp mill process control with VFD, Rewinder, Coater and Super calendar, Boiler Automation, Energy Management system, Retrofitting of DC motor and drive system to AC motor and drive system in Sectional paper machine and Line shaft to Sectional paper machine, Integration of third party drives with our control system in Sectional paper machine, Efficient Control system for complex operations like Multi wire control, Silent drive control, load sharing, tension control, Master/follower operation, Close loop control etc.



BUSINESS FESTIVAL OF PAPER INDUSTRY



a Hyve event

6 - 9 December 2021

Pragati Maidan, New Delhi India

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

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

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

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



26-28 November 2020

Chennai Trade Centre, India

A sneak Preview:

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

Business Connect Program

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



Contact Us



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SOME LEADING COMPANIES AT THE EVENT

Amtech Electronics (India) Ltd.



Amtech an Indian Multinational, for over 30 years has been providing Total Solutions in motor control automation, power quality & energy conservation and industrial electronics to its most discerning clients in the paper industries. It is located in Gandhinagar, Gujarat. For more information visit www.amtechelectronics.com or write to

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We have successfully executed projects like, 30 TPD to 500 TPD, 14 GSM to 500 GSM, Kraft, Duplex, Tissue, Newsprint, Writing & Speciality Paper, Multi Layer Wire, Bi-Nip Press, Silent Dryer, Tension Control & Close Loop Control, Headbox Automation, 80 MPM to 1200 MPM, Steam & Condensate Automation, Trim Drum Slitter Rewinder Automation with Tension control, Pulp mill process control with VFD, Boiler Automation, Approach Flow Automation



Ambica Paper Machineries



A growth oriented quality manufacturer of Paper Machineries Equipments and Pulp Valve, ensuring total customer satisfaction through continued improvement in products. Established itself as a distinguished for quality cleaning Equipment Manufacturer and also grown to as leader for last 34 years reputation among Indian Paper Mills for the quality, durability and excellence in products manufacturer. Always Striving to understand the field requirements and desire to keep our clients satisfied.



Bry-Air Asia Pvt. Ltd.



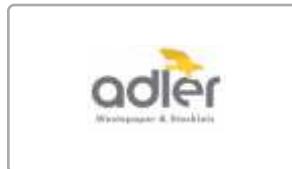
Bry-Air is a global solution provider for dehumidification and drying, gas phase filtration, plastics drying, high temperature waste heat recovery and energysmart cooling using waste heat. Bry-Air is the only manufacturer in India proving complete range of Gas Phase Filtration System and Chemical Filters. Bry-Air provides an optimum solution for efficient removal of air-borne contaminants causing corrosion in electronic/electric circuits from the atmosphere housing critical systems, such as data centres and control rooms.



K2 Cranes & Components Pvt Ltd.



K2 Cranes & Components Pvt. Ltd K2 Cranes part of the Karthigeya Group – Chennai, today manufactures standard and customized material handling equipments covering the broad spectrum of the industry. K2 Cranes has now become the “Largest Crane Builder in SOUTH INDIA” and we continue to move UP AND ABOVE to be the largest Crane builder in INDIA soon by assuring our customers with “World Class Cranes with Top Class Support.”



...and many more



...and many more