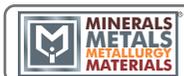


*News and Views...*

20 August 2020 »



**GRAND BUSINESS CARNIVAL FOR METAL, MACHINERY AND MANUFACTURING INDUSTRIES**



**17-18-19 DECEMBER, 2020**  
Pragati Maidan, New Delhi, India

## INDUSTRY NEWS

### Russia produces first batch of Covid-19 vaccine: Ministry

Russia said Saturday that it has produced the first batch of its coronavirus vaccine, after President Vladimir Putin announced it had been first in the world to approve a vaccine. Putin's announcement on Tuesday about the vaccine was met with caution from scientists and World Health Organisation who said it still needed a rigorous safety review. "The first batch of the novel coronavirus vaccine developed by the Gamaleya research institute has been produced," the health ministry said in a statement quoted by Russian news agencies..

Putin said the vaccine was safe and that one of his own daughters had been inoculated, though clinical trials were not yet complete and final stage testing involving more than 2000 people only started this week..

Western scientists were sceptical, with some warning that moving too quickly on a vaccine could be dangerous, but Russia denounced criticism as an attempt to undermine Moscow's research.

The Russian vaccine is called "Sputnik V" after the Soviet-era satellite that was the first launched into space in 1957.

It was developed by the Gamaleya research institute for epidemiology and microbiology in Moscow in coordination with the Russian defence ministry.

The head of the institute. Alexander Gintsburg, told the TASS state news agency on Saturday that volunteers taking part in the final stage testing on the vaccine's safety and efficacy would have two inoculations.

Russia said that industrial production is expected from September and that it plans to manufacture 5 million doses per month by December or January.

Health Minister Mikhail Murashko said this week that the vaccine would first be made available to medics and would later be available to all Russians on a voluntary basis.

With more than 9,17,000 confirmed infections, Russia's corona virus caseload is currently fourth in the world after United States, Brazil and India.

– *The Times of India*



### Serum Institute of India to Start Phase II Trials of Oxford-AstraZeneca Vaccine This Week

The Serum Institute of India (SII), which has partnered with AstraZeneca for manufacturing the COVID-19 vaccine candidate developed by the University of Oxford, has said that it would start phase 2 trials of the COVID vaccine this week. The SII also asserted that it has shortlisted 10 centres across India to host Phases 2 and 3 human clinical trials of the Oxford University developed COVID-19 vaccine. This comes a day after the national expert group on vaccine administration for COVID-19 met representatives of leading domestic manufactures, including SII, Bharat Biotech and Zydus Cadila, to take inputs about the present stage of various candidate vaccines as well as their expectations from the government. The meeting was chaired by Niti Aayog member V K Paul and co-chaired by Union Health Secretary Rajesh Bhushan. Sources have said that the panel comprising Department of Biotechnology Secretary Renu Swarup, ICMR Director General Balram Bhargava and Department of Pharmaceuticals Secretary P D Vaghela met the representatives of the five pharma firms and asked them about their production capacity and whether they need any sort of assistance from the government. Notably, this was the second meeting of the committee after August 12.

India.com



### **Coronavirus vaccine India: 3 COVID vaccines in trial phase, India ready to mass-produce says PM Modi**

Even as novel coronavirus cases continue to rise with an alarming rate in India, Prime Minister Narendra Modi, in his Independence Day speech said that Indian scientists have a big role to play, announcing promising work being done in the world of vaccines. While globally, there are over 110+ candidates racing to bring out a vaccine prototype, PM Modi saluted Indian scientists and said that there are over three homegrown vaccines being worked on right now.

"Not one, not two, as many as three coronavirus vaccines are being tested in India. When scientists give the go-ahead, we are ready with a plan for production." Currently, two homegrown vaccines are in phase II of clinical trials. While Covaxin,

which has been produced by Bharat BioTech in collaboration with Indian Council of Medical Research (ICMR) and National Institute of Virology (NIV), Pune was one of the first to be launched, another candidate in the race is ZyCOV-D, which has been developed by Ahmedabad based Zydus Cadila, using a DNA and recombinant measles virus strain.

Both the vaccines, which started trials in early July entered phase II trials in August, making them one of the quickest vaccines to reach the mid-scale phase of testing. In trials conducted so far, both the vaccines have been found to be safe and eliciting a required immune response. Details about the third vaccine under trial have not been revealed as of yet.

However, seven individual companies are working on developing a locally made and produced coronavirus vaccine in the country, as per WHO.

As per reports, both Covaxin and ZyCOV-D are expected to be launched in 2021.

Blueprint for vaccine trials and distribution being worked on

PM Modi, who also announced the launch of National Health Mission for the public also discussed plans of how vaccines will be distributed in the country. In the past week, authorities conducted meetings with experts from different fields so as to ensure how and when would vaccines, once deployed be made available for the public.

*– The Times of India*

### **Covid-19 vaccine tracker, August 16: Fauci says even 'half an effective' one can control pandemic**

Anthony Fauci, a top infectious diseases expert in the United States and one of the most trusted voices on the current pandemic, has said that it was unlikely that a vaccine for novel Coronavirus would be 100 per cent effective, but even half an effective vaccine would be good enough to bring back normalcy within a year.

Fauci, also a Coronavirus advisor to US President Donald Trump, said if a vaccine became available early next year, as expected, then the pandemic could be brought under "good enough control" by the end of the next year.

"If you get a vaccine into 2021, throughout the year, I believe, by the year 2021, the end of the year, we will be as good back to normal as we possibly can. That doesn't mean – so, I want to be clear – that you are going to eradicate this virus. The only virus that we have ever eradicated in the history of the planet has been smallpox for humans. But we can get it under good enough control that it is so low that it doesn't interfere with the kind of normal life that we want, to get the economy back, to get employment back," Fauci said in the PBS Newshour programme, according to a transcript on the PBS website.

*– The Indian Express*

## **Next big Covid-19 treatment may be manufactured antibodies: Reuters**

The Ministry of Home Affairs and the Ministry of Civil Aviation have relaxed visa norms for travel to and from India, taking a step further towards regular international flight operations.

"Restrictions on the entry into India of OCI cardholders from countries with which MoCA has 'air bubble' arrangements have been removed. They are welcome to enter India," the ministry of civil aviation said.

In addition, foreign nationals belonging to countries with which India has 'air bubble' arrangements can now avail Indian visa facility for business, medical and employment purposes in the country.

So far, only limited categories of people who had resident permits were allowed to travel on international flights.

Simultaneously, all those Indian nationals, who want to travel to the countries with which India has established air bubbles, can do so on any visa.

"In another huge step for Indian nationals wishing to travel abroad, they may travel to countries with which 'air bubble' arrangements have been finalised by MoCA on any type of visa," the ministry said.

At present, India has air bubble arrangements with the US, the UK, France, Germany, Kuwait and the UAE. India is also in talks to activate an air bubble arrangement with Canada, among other countries.

An air bubble arrangement is a bilateral agreement between two countries which allows a limited number of flights for categories of passengers allowed as per norms of both parties. An air bubble is seen as the first step towards the resumption of regular commercial

scheduled international passenger flights.

As per the current norms, passengers also need to adhere to the eligibility criteria of the destination country and comply with all norms before taking an international flight in an air bubble. For example, several countries like France have mandated a compulsory negative RT-PCR test report on arrival.

In addition, passengers also need to comply with the quarantine norms of the destination countries.

India has recently relaxed its quarantine norms and has allowed arriving international passengers an option to seek online exemption from compulsory 7-day institutional quarantine in case of certain circumstances.

In order to ensure a better experience of arriving passengers, the government has mandated that all travelers should submit a self-declaration form on the online portal at least 72 hours before the scheduled travel.

**- CNBCTV18**

## **PM's Independence Day Speech: From COVID-19 vaccine to call for 'atmanirbhar' India, highlights of Narendra Modi's address**

Giving his seventh Independence Day address from the ramparts of the historic Red Fort, Prime Minister Narendra Modi on Saturday emphasised his call for an 'atmanirbhar' India as he touched upon issues ranging from a possible COVID-19 vaccine to the stand-off with China in Ladakh.

Dressed in his customary kurta pyjama and safa, the prime minister, in his nearly 90-minute address, dwelt at length on his "atmanirbhar Bharat" campaign and gave a call for reducing imports and pushing exports of finished products in place raw material, saying the country will have to move forward with the mantra of "Make in India" as well as "Make for World".

"Atmanirbhar Bharat" is no longer merely a word but has become a mantra and captured people's imagination, he said.

Modi also touched upon the much-anticipated COVID-19 vaccine and said three vaccines are in various phases of trials in the country. He said that a roadmap is ready to inoculate all citizens at the shortest possible time with their mass production after scientists give a green signal.

The phase-1 and 2 human clinical trials of two of them, developed indigenously by Bharat Biotech, in collaboration with the Indian Council of Medical Research(ICMR), and Zydus Cadila Ltd, are currently underway.

The Serum Institute of India has been permitted for conducting Phase 2 and 3 human clinical trials of the third vaccine candidate developed by the Oxford University. The Pune-based institute has partnered with AstraZeneca for manufacturing the vaccine.

The prime minister also announced the launch of the National Digital Health

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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



### **PESB picks Soma Mondal as the next chairman of Steel Authority of India**

Soma Mondal has been selected by the Public Enterprises Selection Board (PESB) as the next chairman of public sector steel major Steel Authority of India Limited NSE 1.15 %. She is currently Director (Commercial) of SAIL.

he interviews for selection to the top job at SAIL took place on Monday.

Her appointment is subject to approval from the Appointments Committee of the Cabinet (ACC). If the ACC gives its approval, she will make history with the rare distinction of being the first-ever woman chairperson of the country's largest steel company. She will not only be the first woman to head a major steel company in India but also elsewhere in the world where such appointments have been few and far between.

SAIL's current chairman Anil Chaudhary took charge in September 2018 and is due to retire at the end of this year.

Mondal assumed charge as Director (Commercial), SAIL in March 2017, becoming the first woman director of SAIL at a time when the company was looking at a major leap forward in marketing volumes out of its modernized plants.

*– The Economic Times*

### **Siemens Acquires UltraSoC for Silicon Lifecycle Management**

Siemens has signed an agreement to acquire UK-based UltraSoC Technologies Ltd., a provider of instrumentation and analytics solutions that put intelligent monitoring, cybersecurity and functional safety capabilities into the core hardware of system-on-chip (SoC). Siemens plans to integrate UltraSoC's technology into the Xcelerator portfolio as part of Mentor's Tessent™ software product suite. The addition of UltraSoC to Siemens enables a unified data-driven infrastructure that can enhance product quality, safety and cybersecurity, and the creation of a comprehensive solution to help semiconductor industry customers overcome key pain points including manufacturing defects, software and hardware bugs, device early-failure and wear-out, functional safety, and malicious attacks.

“Siemens' acquisition of UltraSoC means that for the first time our customers can access not just design-for-test, but a comprehensive 'Design for Lifecycle Management' solution for system-on-chips, including functional safety, security and optimization,” says Brady Benware, Tessent Vice President and General Manager, Siemens Digital Industries Software. “By utilizing design augmentation to detect, mitigate and eliminate risks throughout the SoC lifecycle, customers can radically improve time-to-revenue, product quality & safety, and profitability. UltraSoC has a fast-growing business and impressive customer list and, as part of Siemens, can complement Tessent to create a truly unique offering in the market.”

UltraSoC is a pioneer of embedding monitoring hardware into complex SoCs to enable 'fab-to-field' analytics capabilities designed to accelerate silicon bring-up, optimize product performance, and confirm that devices are operating 'as designed' for functional safety and cybersecurity purposes. Tessent is a market leader in SoC design-for-test (DFT) solutions and has established strengths in the field of automotive functional safety via its Tessent Safety Ecosystem. These two highly complementary offerings are the foundation of a complete package of solutions, encompassing semiconductor design and production, functional safety, cybersecurity, and functional optimization of products in the field.

*– Modern Manufacturing India*

## Sandvik Achieves Prestigious Aerospace Certification

Sandvik's new powder plant for titanium and nickel-based superalloys has recently received the prestigious 'AS9100 Revision D' certification for deliveries to the aerospace industry. Its powder plant for Osprey titanium and nickel-based superalloys was inaugurated at the end of 2019 in Sandviken, Sweden.

Since then an extensive work has been ongoing to ramp up the highly automated plant, fine-tuning all processes and qualifying the powder to ensure the best possible consistency, morphology, and quality suitable for additive manufacturing.

Due to these events, the 'AS9100 Revision D' certification for aerospace was recently received, at the end of April this year. The first two titanium powders produced at the plant are Osprey Ti-6Al-4V Grade 5 and Osprey Ti-6Al-4V Grade 23.

The nickel-based superalloys are Osprey® Alloy 625 and Osprey Alloy 718.

"Now we are one of the few companies that has the new and prestigious 'AS9100D' quality certification for our Osprey titanium powder and nickel-based superalloys used for additive manufacturing.

It is a true milestone, which will facilitate many customer collaborations going forward. Imagine what 158 years of leading materials expertise can do for your additive process," said Keith Murray, Vice President, Global Sales, Sandvik Additive Manufacturing.

– **Modern Manufacturing India**



## DMG MORI announces positive results in the first half year 2020

The corona pandemic continues to impact the overall economic situation and is causing a strong decline in the global demand for machine tools. Also DMG MORI has not been able to avoid its consequences: order intake, sales revenues and earnings in the first six months of 2020 were significantly below the high figures of the previous year. Order intake reached € 784.0 million (previous year: € 1,412.3 million). Sales revenues were € 838.0 million (previous year: € 1,276.4 million). Despite the difficult market and economic conditions, the results of operations were positive: EBIT amounted to € 33.2 million (previous year: € 103.4 million). The EBIT margin was 4.0% (previous year: 8.1%).

Demand for machine tools declined significantly, due in particular to the corona

pandemic. In the second quarter of 2020, and under severely difficult market and business conditions, DMG MORI recorded order intake of € 343.8 million (-51%; previous year: € 704.0 million). The previous year's figure includes orders from the Energy Solutions division, which was divested in 2019. The adjusted, comparable order intake for 2019 amounted to € 595.1 million. Thus order intake fell in the core business with machine tools and services in the second quarter of 2020 by -42%. In the first half year we achieved order intake of € 784.0 million (-44%; previous year: € 1,412.3 million).

Adjusted for Energy Solutions, order intake amounted to € 1,280.8 million in the previous year. This corresponds to a decrease of -39%. Domestic orders were € 220.5 million (previous year: € 402.9 million). International orders amounted to € 563.5 million (previous year: € 1,009.4 million). Thus the share of international orders amounted to 72% (previous year: 71%).

Christian Thönes, Chairman of the Executive Board said: "Due to the corona crisis, our customers are speeding up the transition to the digital factory. This strengthens our intention to further expand our future fields of Automation, Digitization and Additive Manufacturing. Investing in innovations, and especially in digitization, is the only way out of the crisis. The economic situation is and remains challenging. But we are well positioned and will continue to have positive results."

– **Machine Tools World**



## Lockdown pushes aerospace industry into chaos

In the face of the Coronavirus pandemic, Airbus SE chief Guillaume Faury warned the employees that the aircraft manufacturer is “bleeding cash” and needs to quickly cut costs to adapt to a dramatically shrinking aerospace industry.

As the airline companies, the customers of the industry, continue to fight for survival and unable to accept new aircraft, Airbus is juggling its delivery schedules while reassessing its long-term outlook for the aerospace industry, Faury told his staff in a letter sent recently. A plan to cut down

production by 33 per cent, which was announced earlier this month, may not fully reflect the worst-case scenario, he said.

At the end of March, only days before Boeing was set to hand over a new 787 Dreamliner to one of its most valued customers in the Middle East, the airline's head of procurement picked up the phone to the US aircraft maker. The deal was off, unless Boeing was willing to increase the 55 per cent discount it had already agreed on the \$338m list price. In normal times, an airline would hesitate before threatening to cancel an order at such a late stage.

Cancellation would normally mean heavy penalties and forfeiting the down-payments, which for Boeing's state of the art twin-aisle model amounted to close to \$100m of the agreed \$150m price tag. But these are not normal times.

Boeing caved in and cut the price by a further 15 per cent, according to people involved in the deal. The US aircraft maker—which declined to comment on the contract details — saw more value in getting the jet out of the hangar than haggling for a few million dollars more. Despite supplying more than 90 per cent of the world's commercial aircraft, Boeing and its European rival Airbus do not have much leverage when nearly all their airline customers are fighting for survival.

As international air travel grinds to a halt in the face of the coronavirus pandemic, the global aerospace industry is being forced to confront some hard truths about a future it once believed was secure for at least the

next decade. Record order books, built on a decade of booming demand and worth more than \$1tn at list prices, are looking less certain by the day as airlines push back deliveries and even cancel orders to survive the worst crisis in aviation history.

More than 60 per cent of the world's commercial aircraft have been grounded as governments quarantine their populations and close borders. And with little or no revenue coming in, airlines are cutting costs, drawing down huge credit lines to bolster liquidity, and calling for billions in state aid. Ed Bastian, chief executive of the world's biggest carrier, Delta Air Lines, says his company is burning through \$60m a day while 600 aircraft are parked on the tarmac and 80 per cent of April's scheduled flights are cancelled. IATA, the aviation industry's trade body, has warned that some 25m jobs in both the aerospace and aviation sectors are at risk if governments do not step in with lifelines.

The European manufacturer and its U.S. rival Boeing Co. have been trying to come to grips with a major dip in demand caused by the Coronavirus pandemic that's practically destroyed a commercial aerospace industry they have been dominating so far. Airbus has jacked up its liquidity by 15 billion euros (\$16.2 billion) to weather the crisis, while Boeing is in talks for government aid. Both companies are gearing up for job cuts as they attempt to fathom the depth of the downturn and the pace of recovery.

– *Machine Tools World*

## Volvo Buses India integrates with VECV

Definitive Agreements have been signed for the integration of Volvo Buses India business into VECV. They will cover the manufacturing, assembling, distribution, and sale of the Volvo Buses in India, and other rights forming part of the business.

Consequently, the bus manufacturing facility at Hosakote, Bengaluru, and all employees of Volvo Bus India (VBI) will be transferred to VECV. Volvo Bus India is currently a division of Volvo Group India Pvt Ltd (VGIPL).

Speaking on the announcement, Siddhartha Lal, Chairman, VECV said, "This is a momentous occasion and testimony to a very strong relationship between Eicher Motors and Volvo Group. Over a period of time, the Volvo brand for buses in India has become synonymous with safety and comfort in both inter-city and intra-city public transportation, and we are extremely proud to have this iconic brand in our joint venture. With the integration of Volvo Buses India into VECV, we aim to shape the future of the Indian bus industry by offering the widest range of transport solutions to our customers."

Post the completion of the transaction, VECV and VBI will consolidate their bus businesses into a newly formed bus division within VECV. This division will offer Volvo and Eicher branded buses and will maximize synergies to capitalize on market opportunities. This strategy will be extended to exports, wherein the new bus division will offer products and services that are complementary with Volvo Buses' core product portfolio in select international markets.

"We are pleased with this development of Volvo Buses in India and see it as an opportunity to further build upon the successful JV company – VECV. By consolidating the operations of Volvo Buses India into VECV, we aim to further develop our bus business and strengthen our position in the Indian bus market. The new bus division will offer a full range of modern buses covering customer needs for heavy, medium, and light duty buses", elaborated Håkan Agnevall, President, Volvo Bus Corporation.

On the occasion, Vinod Aggarwal, Managing Director and CEO, VECV said "VECV's strong presence in the Indian bus market with Eicher branded buses will be complemented by Volvo Buses' prominent position in the premium bus segment. With this integration, VECV will be able to leverage synergies in the areas of product development, purchasing and manufacturing with access to Volvo Group's world-class technology in buses." "The Volvo Bus is a flag bearer of the Volvo Brand in India and we expect going forward this will be reinforced even further by our JV partner – VE Commercial Vehicles," added Kamal Bali, President & MD, VGIPL "Going forward, customers and partners can expect the same high level of customer care and world-class products from both Volvo and Eicher brands. The new division will also engage further in the dynamic Indian market driven by megatrends such as urbanization, e-mobility and connectivity," shared Akash Passey, Senior

Vice President, Volvo Bus Corporation. Passey will join as President of the newly formed VECV Bus Division and will repatriate to India for this role and report to Vinod Aggarwal, MD & CEO VECV.

The transaction will be completed once the conditions under the agreements are fulfilled and the final business transfer is expected to be closed within the next two months.

– **Modern Manufacturing India**



## INDUSTRY SPEAK



**Amod Kumar**  
Director  
Magadh Hand Tools  
(Unit of Mittal Bhai Projects Pvt. Ltd.)

Covid-19 has impacted the regular business, with production taking the direct impact, as the workers safety is paramount. Also the logistics and supply and dispatch of products have been effected due to the understandable government restrictions on movement and logistics. Having said that, economy is now slowly opening up with proper Covid precautions in place and the tools market is certainly getting back into shape.



**Dr. Bishnujee Singh**  
CEO  
Cayley Aerospace Inc

As CEO of Cayley Aerospace Inc, Washington,USA,I have been working under extremely challenging circumstance helping the business unit with recovery plan due to impact of Global Pandemics and severe challenging effects on Aerospace Industry.

We will be implementing those plans,process over next couple of years in order to overcome the challenges facing the Aerospace sector.



**Ketan Patel**  
Dayanand Power Tools

DYK stands for quality, innovation and direct customer relationships resulting in better future aspects for services we provided since 2001. The company has 80K+ satisfied customer across world who contribute to make our growth faster and inspire us every single day with technologically leading products, systems and services.

With this thought having experience of 12 years in field of technical expertise, I had an idea to start my own Power Tools Company.



## MEDIA SPEAK



### International Investment in Infrastructure & MSME Sector

Union Minister for Road Transport, Highways and MSMEs Shri Nitin Gadkari has called for increased investment by international institutions and bodies in the Indian Highways and MSME sectors. He said automobile and MSME are the two growth engines of the Indian economy. The Minister emphasized that it is the MSME sector which will drive the Indian economy in the coming years.

Addressing the Indo-Australian Chamber of Commerce and Womenovator on Trade Investment and collaborations in Road infrastructure and MSMEs, the Minister said, India and Australia are already co-operating in the road safety sector. This co-operation has provided better designs for roads and awareness opportunities for the public. Under Indian Road Safety Assessment Programme 21000 km of roads have been

assessed and about 3000 km of road length is under technological upgradation. According to him, it is estimated that these upgradation programmes will bring about 50 per cent reduction in Road accidents as the Government's objective is to set out to achieve zero road fatalities by 2030. He said that his Ministry has taken lot of initiatives to reduce road accidents. World Bank and ADB have committed ₹7000 crores each for this campaign.

– *Modern Manufacturing India*



### Improving realisations may help steelmakers forget Covid-19 memories

Improving realisations and cheaper raw material should help profitability, though domestic demand is yet to reach pre-Covid levels. Steel stocks, which continued to gain from their March-April lows, have now regained levels last seen in February this year. Tata Steel, JSW Steel, and SAIL have rebounded 57-84 per cent, while Jindal Steel & Power (JSPL) has been a strong outperformer, gaining more than 200 per cent.

The trigger has been provided by improving steel realisations, after the beating taken during the April-May period following the lockdown.

– *Business Standard*

## Manufacturers Unite in Fight Against Covid-19

The lack of personal protection equipment (PPE) is one of the biggest challenges facing doctors, nurses, and first responders in the fight against Covid-19.

To this end, manufacturing companies from all around the world are doing their best to provide them the PPEs they need to help save lives, including their own. Global Shop Solutions has been offering unrelenting support to manufacturing companies to be heroes in this endeavor. Its ERP software provides the applications needed to deliver a quality part on time, every time from quote to cash and everything in between including shop management, scheduling, inventory, accounting, quality control, CRM and more. Its headquarters in The Woodlands, Texas includes a state-of-the-art R&D facility and Global Shop Solutions training center. Through its offices in the US, Mexico, Indonesia, Singapore, Australia, New Zealand and the United Kingdom, the company supports thousands of manufacturing facilities in over 25 countries and nearly 30 industries.

**Making foam strips to save lives:** Powered by Global Shop Solutions, Milcut, Inc., BHI and Germfree are a few manufacturers that are doing all they can to meet the demand. Based in Menomonee Falls, Wisconsin, Milcut fabricates foam, rubber, plastic and high-temperature materials. At the urgent request of customers, the company began making foam strips for the plastic splash shield that

goes on protective face masks. These strips are not one of its standard products. Yet, within three days of receiving the first order, it shipped 15,000 of them.

Milcut then connected with Operation MaskForce, a local effort linked to colleges, hospitals and businesses, and began producing filters for canister masks, a more sophisticated type of protective mask used in hospitals.

**An act of kindness for the frontlines:** When Javier Castro, CEO, Bazz Houston International (BHI), a metal forming manufacturer, learned of the serious shortage of protective face masks in local hospitals, he didn't hesitate. Quickly teaming up with two other Orange County, CA-based companies, he launched an immediate effort to design and manufacture face shields for doctors and nursing staff at local emergency rooms, a product the company had never made before. BHI then began donating the face shields to local hospitals and emergency responders at no cost, and word of mouth quickly spread. When Sony™ learned of the donations, it began covering the cost of shipping the face shields to other states around the country.

**Making it safe to study the virus:** Germfree, a global manufacturer of mobile laboratories, has been providing remote on-site response capabilities for decades. As regional epidemics grew into a global pandemic, the need for bio-containment space skyrocketed. In response, the company significantly expanded its factory

capacity while offering expertise to industry partners also trying to fulfill the unmet need. Germfree built, delivered, and installed the mobile bio-containment lab in Singapore that was the first in the region to isolate COVID-19. In addition to ramping up deployment of mobile cleanroom containment units, the company is also developing new techniques for remote monitoring of critical controls.

– *Modern Manufacturing India*





## Improving competitiveness in the Machine Tool industry

Recent global events have shown that manufacturing excellence and growth will take India to the next level of economic prosperity. There is unanimity among Industry leaders and policy makers that the transformation of Indian manufacturing is the need of the hour.

In its report “Reshoring and China diversification indices”, AT Kearney tracked the “rebalancing” of US manufacturing imports away from China. It says that the future threats will force companies to reorganize global supply chains by accelerated “scattering” of suppliers. Strategic decisions will focus on resilience and risk mitigation, to ensure sustenance of the business. This move will bring huge

business to new markets especially India, where the existing base is a strong incentive for global players. This is a “once in a generation opportunity” for the Indian manufacturing industry, waiting to be capitalized by us.

Many factors contribute to the success of manufacturing, including the availability of qualified manpower, good vendor ecosystem for uninterrupted supply, availability of power, industry friendly regulation and so on. While manpower & land reforms remain issues, improving the competitiveness of the supplier ecosystem must be managed by corporates themselves. Machine tool vendors are vital constituents of the supplier/vendor fraternity.

The machine tool industry caters to all kinds of manufacturing sectors and is particularly important for India to become a global manufacturing base. In the following points, we will see how the Machine tool industry can make a significant transformation to accelerate progress of the manufacturing sector, thereby providing excellent growth opportunities for the Machine tool industry itself.

**Machine Tool Industry has multiple demand models:** In high precision manufacturing like auto components or aeronautics for example, the finesse, and value of the product is as much influenced by the quality of machine tool, as that of the raw material.

The performance of a machine tool is determined by the accuracy it can provide

for the product; plus, the number of end products it can produce within a prescribed specification level. In effect, the machine tool is an essential consumable to produce the end product.

### **Opportunity and need for machine tool industry to excel:**

While the entire manufacturing industry is poised to grow and establish a global footprint, it provides an opportunity for Indian machine tool industry to grow alongside. The machine tool industry can 'Go- GLOBAL' and cater to global supply chain, apart from meeting growing local demand.

However, for Indian machine tools to achieve this feat, they must meet international standards in product performance, delivery performance and the variants they can deliver. Given the complexity of the demand model and requirements of customers, as explained in the diagram above, the industry needs to take its processes to a new level.

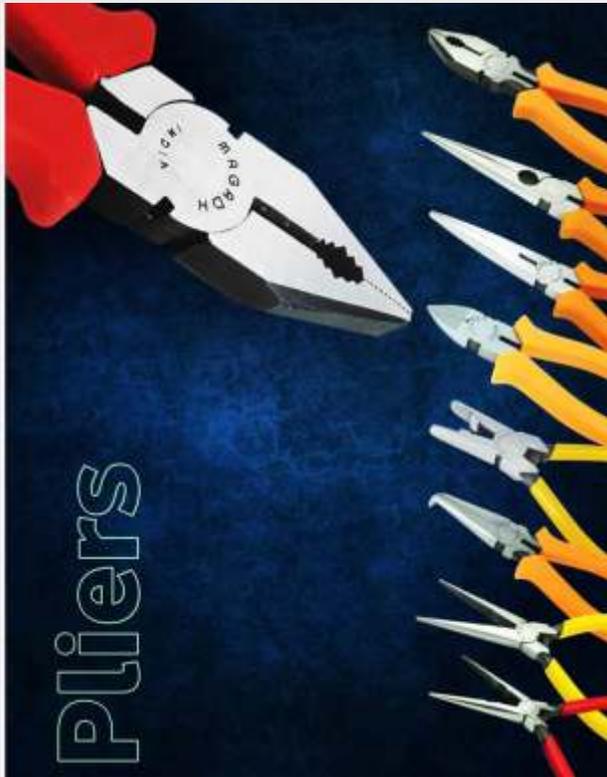
End users of the machine tool, i.e. the Manufacturing industry, will face new challenges when they go global and expand domestic footprints. In this situation, the requirement for them will be to be reliable and dependable across markets. They will have to provide scalable solutions to meet changing market volumes and at the same time be flexible to accommodate diversity and complexity from their clients. As an input provider, the machine tool industry therefore will also need to improve its product performance holistically.

– *Machine Tools World*

## NEW TECHNOLOGIES

### Magadh Hand Tools (Unit of Mittal Bhai Projects Pvt. Ltd.)

We take pride in the technology involved in the production of our Circlip Pliers, which are drop forged and made of chrome vanadium heavy duty steel, completely anti-rust, non slip with solid tips. The Non-slip PVC dip coated handle makes it easy and reliable to use.



### Cayley Aerospace Inc

- Aircraft Engineering Center
- Product Development
- Aerospace Composite Research Center

### IR Tech

The Company has introduced many new instruments in India, like Direct reading Spectrometers, fully automatic Carbon, Sulphur and Gas Analyzers Metal, Differential Thermal Analyzers, and Blood Gas Analyzers etc.

Our Product Range include

X Ray Diffractometer, Small angle X-ray scattering (SAXS), Protein Crystallography, Thermal Analyser, XRF Analyser, Microwave Digestion Systems, Microwave Synthesis, Mercury Analyzer, Microscope Stereo Zoom, Microscope Metallurgical, Microscope Measuring, Laser Confocal Microscopes, Digital Microscope, Color & Appearance Measurement, Hand Held Raman Spectrometer, Fusion Fluxer, TOC Analyzer, Handheld XRF Analyser, Microwave Extraction, Clean Chemistry, Magnetic Balance, Bioprofile Analyzer, Weather Meter, Fade Meter, Corrossion Test Instrument & Shaking Incubators



### MRL Group

Our product range include:

- SS Rolls (Stainless steel Rolls)
- Forged and Induction Hardened Rolls (any material specification EN24, EN19, EN 31 etc..)
- Hard Chrome Roll (Mirror Finished Rolls, Shot Blat Finsihed Rolls (Ra) Grind Finished Rolls)
- Rubber Roll (Silicone Coated Rolls, Csm (Hyplon) Coated Rolls, Nitrile Coated Rolls, Epdm Coated Rolls, Neoprene Coated Rolls Ebonite Coated Rolls, Natural Rubber Coated Rolls)



### Rollcon Engg. Co.

Our products include:

- Cold Rolling Mills
- Pickling Lines
- Galvanizing Lines
- Color Coating Lines
- Tube Mills
- Slitting Lines
- Cut To Length Lines
- E.O.T Cranes

# Grand Business Carnival

6 co located events and one Grand Business Carnival for Metal, Machinery and Manufacturing industries

- HTF - for **Advanced Hand Tools, Power Tools and Fasteners**
- CWE - for **Advanced Cutting and Welding Equipment & Technology including Laser Technology**
- IMEX - for **Latest Machine Tools** (CNC, Laser, Shot Blasting, Measuring & Testing Equipment and more.....)
- UMEX – for **Economical Pre-owned machinery in the industry**
- MMMM – for **Mineral, Metal, Metallurgy & Materials**
- TECHINDIA - for **Engineering and Manufacturing** (Pumps, Valves, Compressors and more.....)



## A Sneak Preview

- Expected Presence of **500+** leading Exhibitors from **15+** countries
- **4 Open Seminars**
  - > *Hand Tools, Power Tools & Fasteners Know-How*
  - > *Advancements In Cutting & Welding Equipment*
  - > *Machine Tools: Bringing Depth to Manufacturing in Industries*
  - > *Technology Innovation for Metal & Metallurgy Industries*
- Various New Launches by exhibitors.



## 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



#### Hyve India Private Limited

(CIN. U92490DL2004PTC124343)

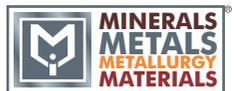
Innov8, 2nd Floor, 44, Regal Building

(Above Madame Tussauds Wax Museum)

Outer Circle, Connaught Place, New Delhi-110001, INDIA

Email: [ed.india@hyve.group](mailto:ed.india@hyve.group)

Website: [india.hyve.group](http://india.hyve.group), [www.hyve.group](http://www.hyve.group)



**17-18-19 DECEMBER, 2020 Pragati Maidan, New Delhi, India**

## SOME LEADING COMPANIES AT THE EVENTS

### MRL Group



Founded in 1995, Modinagar Rolls Private Limited (MRL) is a quality leader in

manufacturing of rollers,

delivering high-quality precision custom rolls along with a variety of repair and maintenance services to various industrial applications. In addition, MRL is capable of doing dynamic balancing for all types of rotating bodies. In fact, MRL GROUP is one-stop shop for manufacturing all kind of rollers that is Rubber, PU and Hard chrome. MRL has added MRL Printing Rolls Pvt. Limited and MRL Coaters and Platers Private Limited to augment its business as group of industries. Today MRL GROUP has expanded its shop floor area more than twenty times since its inception, has clients not only from all over India, but overseas also.



### Rollcon Engg. Co.



ROLLCON ENGG. CO. is a renowned name in steel strip processing lines & equipments. Company

started in 1992 with a vision of high quality, reliability and customer satisfaction in the fields of Steel Rolling, Continuous Sheet Galvanizing, Color Coating Lines, Pickling Line, Pipe/Tube Mills & E.O.T Crane etc.

We Offer value in the field of processing of flat steel products & Specializes in Cold Rolling Mills, Continuous Sheet Galvanizing, Color Coating Lines, Pickling Lines, Pipe/Tube Mills Lines.

### Champion Abrasives



Champion Abrasives was Incorporated in the year 2016 with a variety of ranges of Coated Abrasives, Bonded Abrasives, Non-Woven and Power Tools Products.

We are one of the foremost Importer and Wholesaler of an exceptional quality assortment of Cutting Wheel, Grinding Wheel, Flap Disc, Marble Cutter, Non-Woven Wheel, Felt Wheel and Power Tools like Angle Grinder, Marble Cutter Machine, Cut Off Machine, Demolition Hammer, and Rotary Hammer. To design these product range, we use high-quality inputs. Likewise, our range of products is well-known for attractive attributes like sturdy design, easy to use, strong construction, lightweight, and low-cost.

Our professionals operate in close coordination to assure a high-quality assortment of all

products to the customers. We have recruited experienced quality auditors, who see the process to make certain that all the rules of industrial quality is properly followed. For the intention of avoiding any hassles in the work environment, our professionals work dedicated. Adding to this, by maintaining quality, we make sure providing greatest satisfaction to the clients.

Under the very short span of time, we are capable to create a long list of Happy & Satisfied clients. With the ethical business policies, we have been able to create a renowned place in the market.



## Cayley Aerospace Inc



Cayley Aerospace Inc has been one of the leading Accredited Aircraft

Engineering Corporation in Washington State, USA has been involved in Aircraft manufacturing product design, development, testing and Engineering Certification. Cayley Aerospace has been accredited by US Government, Government of India's Inspection Agency, Washington State and California State Engineering Center. The group has been involved in several Aerospace product development used in Aircraft manufacturing as well as Space Engineering application. It has been Tier 1 supplier to several Aerospace Engineering Corporation in US, UK, European Union and Asian region. Company has developed several new innovative products used in Aerospace application over the last 10 years ranging in Electro mechanical equipments for Space Application of NASA, interior design and build for Aircraft FAA STC Programs.



## Dayanand Power Tools



At DYK, we are committed to partner with our customers to exceed their expectations. Our competent and

motivated team is engaged in providing the best innovative and reliable solution, in a continuous effort to achieve zero defect and quality excellence.

We are convinced that quality, innovation and service are cornerstones that guide our culture while building our legacy. On these cornerstones DYK has earned its credibility over the years, becoming an ideal partner to design, manufacture and market ventilation solutions in an expanding array of applications.

## IR Tech



IR Tech has pioneered in introducing the 'state-of-the-art' instrument technology in India. Since its inception in 1961, it has been in the field of marketing sophisticated analytical and medical instruments into the Indian. The Company has introduced many new instruments in India, like Direct reading Spectrometers, fully automatic Carbon, Sulphur and Gas Analyzers Metal, Differential Thermal Analyzers, and Blood Gas Analyzers etc. These instruments have helped in research and development work in and Research institutes and improved patient care in the field of in India. We are the exclusive sales and service representatives of a number of reputed instrument manufacturers from U.S.A., Japan, Germany, Canada, Finland , 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