



International Forming Technology Exhibition

Concurrent Show



International Exhibition of Dies & Moulds, Forming Tools, Machine Accessories, Metrology and CAD / CAM



International Exhibition on Industry 4.0 & Additive Manufacturing



Published by



Indian Machine Tool Manufacturers' Association

16 - 21, JUNE, 2022 | BANGALORE, INDIA

DAY 5 • Monday, June 20, 2022

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# SHOWDAILY<sup>TM</sup>

The Official Show Daily of IMTEX FORMING 2022

Day 5 • Monday, June 20, 2022



DIGITAL MANUFACTURING - LASER SYSTEMS

## With Laser-Sharp Focus

SLTL has always remained attuned to the evolving needs of its customers while innovating its products, which it has been traditionally introducing on the conducive platform of IMTEX. The current edition also witnesses the company unveiling several solutions for an array of industries...



Team SLTL Group at IMTEX FORMING 2022

SLTL Group  
www.SLTL.com  
Hall 4, Booth B108

For Sahajanand Laser Technology (SLTL), IMTEX has been a platform to showcase its innovative laser solutions to the industry. Every year, the company unveils new laser machines at IMTEX, a tradition it hopes to continue.

Maulik Patel, Executive Director, SLTL Group, says, "As a market leader, we receive a lot of attention and business opportunities at the expo. As a result, we intend to present our portfolio of laser systems with a variety of capabilities such as cutting,

marking, welding, tube cutting, and more. We'll be making big announcements at IMTEX 2022 this year."

### Attuned to Market Needs

The Group asserts that it has regularly been innovating to help the

industry and fabricators achieve the highest standards of application. An enhanced model of a dedicated laser tube cutting system, T-6300 powered with AI, is being launched at the show. The system is a unique combination of SLTL Group's prop-

To be continued on 4

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**IS BURR A HEADACHE?**

Hall : 2A | Booth : C 102  
Date : 16 to 21 June 2022



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Source: Magic Wand Media

Continued from 3

rietary laser technology and a robust mechanical structure designed by the in-house R&D team. It is designed to provide extreme precision, productivity, and quality. Of course, it cannot be left behind when it comes to the latest addition – electric vehicles. The company is also demonstrating semi-automatic and fully automated solutions for laser welding applications. These systems are uniquely developed to address the challenges of the market.

“From our Akhar series, we are showcasing NEO-fiber laser marking machine designed to perfectly mark or engrave the desired shape, size, design, pattern, image, code, or any other traceability solution or data with aesthetic results and everlasting impressions. Not just this, we are demonstrating a laser cleaning machine that works wonders in getting the job done in minimal time with an environmentally-friendly application solution,” adds Patel.

For this time, the company has emphasized segment-oriented enhancement and is trying to deliver integration with cutting-edge systems at each level. Robotics, automation, material handling, and

sheet metal storage solutions, in particular, are being added with the sheet metal industry in mind. Since there’s a focus on enhancing productivity and reducing human effort, it has chosen to bring in the latest laser systems.

### Sailing Through Crisis

Many millions suffered during the pandemic. Businesses lost revenue due to a lack of sales. But Patel puts up a brave front and says that SLTL carried on whatever way it could. The situation is now under control. He is glad that the trade fair is an opportunity to meet clients physically, exhibit, and discuss future solutions.

SLTL works with several verticals, mainly Industrial Laser, Gems and Jewellery, Medical devices & Equipment, RF & Microwave, Renewable Energy as well as Defence & Aerospace industry. With the continuous innovation they offers comprehensive range of systems for all the industries.

Their team of experts works round-the-clock as a cross functional team to develop these ingenious systems. Catering to the needs of startups to fortune 500 companies as well as small, medium and large scale industries, their laser expertise is outspread to over 40+ nations.

Source: SLTL Group



» The future of the industry is IoT-enabled machines, Industry 4.0 and application digitization. These intelligent systems are created with high contrast outcomes in mind as well as empowering manpower, to ensure error-free operations and enhanced productivity.«

**Maulik Patel**  
Executive Director  
SLTL Group

### What's Next?

With the successful installations of more than 15,000 systems globally, the team has the vision to deliver continuous innovation in the future. The company is also one of the few manufacturers providing customized

Computer Numeric Controlled (CNC) laser solutions. Over the previous few decades, the laser cutting industry has gone through various stages of advancement in cutting material quality and thickness, power, and efficiency. Tube and pipe cutting is another area that is expected to develop this year. Due to the low cost of tube-cutting solutions, this segment has begun to grow.

Because of its mobility, precision, and being environmentally-friendly compared to conventional methods, laser cleaning is yet another application that is being highlighted these days. For the welding and marking segments, the industries are very broad, and it would be difficult to name a specific industry for the same.

For now, Patel is looking at IMTEX to provide an opportunity to develop and understand the market from its core. Working with numerous industries, it would like to work with Thrasher, Rotavator, Sprocket, Impeller, and all the other areas where lasers could work wonders. Then there’s the automotive industry, where it would be focusing on its robotic solutions, specifically designed for industrial applications to cut/weld or perform all the required processes effectively. **SD**

**IMTEX 2023**  
International Machine Tool & Manufacturing Technology Exhibition

Concurrent shows

**Tooltech 2023**  
International Exhibition of Cutting Tools, Tooling Systems, Machine Tool Accessories, Metrology & CAD / CAM

**DIGITAL MANUFACTURING**  
International Exhibition on Industry 4.0 & Additive Manufacturing

**19 - 25 January 2023, Bengaluru, India**

Organiser: Indian Machine Tool Manufacturers' Association

Venue: BIEC Bangalore International Exhibition Centre

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**TECHNOLOGY @ work**

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2nd Floor, Site No. 26  
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Ref. Mr. Sharma Puneet  
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# P2

Automatic compact panel bender

## THE FLEXIBLE BENDING CENTRE SOLUTION



16-21/06 2022  
Bengaluru, India  
Hall 4 - B102



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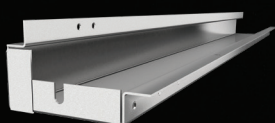
**+** FULLY AUTOMATIC PRODUCTION CYCLE, MANUAL L/UL

**+** ONE UNIVERSAL BENDING TOOL

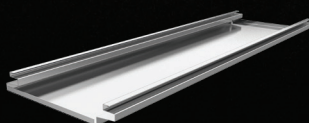
**+** EASY USER INTERFACE

**+** THICKNESS RANGE: FROM 0.5 TO 3.2 MM

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**salvagnini**

**FIXTURE SOLUTIONS**

# Fix Them Right



Reji Varghese, Managing Director, RV Forms & Gears LLP (second from right) at the booth.

For Forms & Gears, being able to participate in IMTEX is good news. Reji Varghese, Managing Director, Forms & Gears, says, "We hope to interact with clients from across the world at the exhibition. As travel and other post covid restrictions have eased off, we expect many visitors to attend this show."

With a strong ability to provide complete fixture solutions across the globe for the last 45 years, today, its strong partnership with ASM Technologies is helping it reach automotive OEMs, tractor OEMs, commercial vehicles OEMs, generator manufacturers, engine testing companies, and other special-purpose machine makers to name a few.

## Bringing in Exclusivity

The company is displaying its Industry 4.0 product, Smartfix 4.0 and few more solutions in engineering services and laser special machines. Manufacturing companies are compelled to increase productivity by making existing factories and manufacturing processes smarter.

Varghese says, "Our Industry 4.0 solution enables manufacturers to connect multiple manufacturing/production lines and machines, acquire data at different stages of production from several disparate sources, and develop capabilities like remote monitoring, predictive maintenance, and deliver meaningful insights."

**RV Forms & Gears LLP**  
www.formsandgears.com  
Hall 3A, Booth F113

**MACHINE TOOL PROBES**

# Optimizing Processes

Hexagon touch probes and tool setters have been proven to meet all machine tool requirements and guarantee optimum process safety. The four products on display under Machine Tool Probes are: ELS (Entry Level System-Infrared); IRP 40.02: (Infrared Technology for Small and medium machines); RWP 20.50-G: (Radio wave solution for big machines); and Tool Setter TS 35.20.

The IRP40.02 infrared touch probe system meets all the dynamic requirements in the machine tool. Extreme accelerations, high positioning speeds, constant vibrations, hard tool changes, increased temperatures, and aggressive coolants pose no problems for it. Hexagon's precision mechanics can continue to switch without wear and extremely precisely for years under all these conditions. Thanks to its extremely compact and robust design, the probe needs a very small space in the machine and can also be used for applications in extremely limited spaces.

It is robust and easy to handle and is equipped with one-touch strategy and ITE technology to measure in the shortest possible time with the highest precision. The workshop-oriented design, along with zero downtime, helps save manufacturing time. IRP 40.02 has Innovative Data Transmission (HDR) technology with long battery life, i.e. up to 800 hours. It has a proven track record for its usage in the electronic industry.

IRP 40.02 is suitable for extremely short cycles in non-stop production for the highest process reliability and the lowest manual interventions. The stainless-steel housing and natural glass ring are for performing in the rough environment of mass production while constantly being doused with a coolant or hit by swarf. **SD**



Source: RV Forms & Gears LLP

» Our Industry 4.0 solution enables manufacturers to connect multiple manufacturing/production lines and machines, acquire data at different stages of production from several disparate sources, and develop capabilities. «

**Reji Varghese**  
Managing Director  
RV Forms & Gears LLP

Conventional factory automation systems require a lot of mechanical equipment and maintenance while being short on flexibility and high on energy costs. "Our automation solutions with remotely operated part/component/transfer technology deliver higher performance levels than conventional conveyors/transfer systems," says Varghese. **SD**

**TURRET PUNCH PRESSES**

# Muratec Motorum-2048TS

The machine is compact and competitive and provides high-speed processing with reliability and accuracy.

Muratec CNC AC Servo Turret Punch Press Motorum-2048TS has been designed mainly to reduce

the noise level and provide high-speed processing. The single hit processing time with Y-axis 100 mm pitch is 0.375 seconds. The machine

uses the latest carbon reinforced plastic fiber (CRPF) for its rigidity and light weight in the ram drive. It increases the overall productivity through process integration of deburring, forming, tapping and other processes, together with the reduction of time needed to set up and program. While reducing scratching on the back of the worksheet, the brush table also gives stable movement of the worksheet. The Crash sensor prevents major damage to the machine by stopping the machine when material curves upward toward the turret preventing a collision. It is paired with an economical automated Sheet Metal System SL-1250, a compact automatic loader for unmanned production. **SD**

**Meiban Engineering Technologies Pvt Ltd**  
www.meibanengg.com  
Hall 2A, Booth B110

Swing Loader  
SL1250



Muratec Compact and Economical Automated Sheet Metal System



**Hexagon Metrology (India) Pvt Ltd**  
www.hexagonmi.com/en-IN/solutions/industries  
Hall 3A, Booth B111

Source: Hexagon Metrology (India) Pvt Ltd

Source: Magic Wand Media

Source: Meiban Engineering Technologies Pvt Ltd

# Laser Line-Up

World's First Fiber Laser with LBC Technology

## VENTIS AJ Series



Ultra high-speed 3-axis linear drive/Fiber Laser Cutting

## REGIUS AJ Series



High-speed, Stable-processing Fiber Laser Machine

## LC VALSTER AJ G Series



3 kW Compact Fiber Laser Machine

## BREVIS AJ Series



Energy saving, v-lot production, wide range fiber laser machine

## ENSIS AJ Series



Hall No - 4  
Booth No - B107



Amada (India) Pvt. Ltd  
Technical and Vocational Center  
No.60, KIADB Bengaluru Aerospace Park,  
Singhalli Village, Budigere Post, Bangalore,  
North Taluk - 562129, India.  
Ph:080-71100200



**ROBOTIC WELDING AUTOMATION MACHINES**

# Minimizing Human Interface

Source: Magic Wand Media



**Arm Welders Pvt Ltd**  
www.armwelders.com  
Hall 4, Booth B134

**A**rm Welders Pvt Ltd is displaying its new-generation robotic welding automation machines that need a minimum human interface and eliminate component rejection, completely reducing the cost of production. The machines include Servo Robotic Spot-Welding Gun with Controller & IOT feature; IT Spot Welding Gun Type – C & X Type; Single-side Spot Welding Machine;

Stationary Spot-Projection Welding Machine with Automatic Nut feeder & Nut Weld Check System; and High-Speed Panel Spot welding SPM and Automation System. Brijesh Khanderia, CEO, Arm Welders, shares the company's new launch at this year's IMTEX, which are its New Generation Servo Robotic Guns that are capable to weld high-strength steels and a variety of metals. They are designed to

deliver high forces. Their high MTTBF and low MTTR result in higher productivity and output. The Gun body is made of special aluminum alloy, making it enormously light weight, which requires less payload robot. The machines can be easily reused for different design mountings, and are light weight, modular, and robust in design. The latest upgrade to Arm Welders Global standard resistance welding machines is IOT features as per the latest Industry 4.0 standards, which is first time being implemented in India for resistance welding machines. **SD**

**DIE LIFTERS & LOADERS**

# Broadening Horizons

**G**uthle Pressenspannen GmbH has been an active participant and supporter of IMTEX and IMTMA for several years. "IMTEX is the premier exhibition in the machine tool, cutting tool, and accessories space. Visitors and important decision-makers from India and across the world target the exhibition to understand and apply the latest concepts in metal forming and shaping and utilize the same for productivity improvements in their shop floor and industries," says Company Country Head & Managing Director, TV Mohan.

**Improving Efficiency**  
This year at the show, it is exhibiting products for Presses and Press shops made by its Group company, Guethle from Germany. They include Die lifters, loaders, etc. that can greatly aid in automating the press shop processes and improve the efficiency of the plant significantly. "The main growth industries for us are automobile, EV and component manufacturers, defence and ordnance establishments, aerospace including drone, medical equipment, and machine tools and fixtures. We have been engaging with them," he sums up. **SD**

**Guthle Pressenspannen GmbH**  
www.guthle.com  
Hall 3A, Booth E103



Source: Magic Wand Media

**HEAVY ENGINEERING EQUIPMENT**

# Setting New Benchmarks

**I**sgec Heavy Engineering Ltd is a multi-product, multi-location public company that provides engineering solutions. Yogesh Saxena, Business Head – Machine Building Division,

Isgec Heavy Engineering Ltd, says, "We are to showcase and share the latest technological developments we have done after participation in the last IMTEX."

**On the Showcase**  
Isgec is displaying the following at the event:

1 Indian customers due to their flexibility in part production and high productivity. Isgec has tied up with global robotic suppliers, including ABB, KUKA, and YASKAWA, to provide a complete solution for these types of presses.

**a) Servo Presses:** This technology has several advantages over conventional presses, including decreased electricity consumption, increased productivity, reduced maintenance, greater flexibility, and better part quality.

**d) Transfer Presses:** The company offers optimized and high-productivity solutions for medium stamped parts.

**b) Press Hardening Lines:** Isgec is collaborating with AP&T-Sweden to offer a turnkey solution for Press Hardening Lines for hot stamped parts. This technology is unexplored by Indian automotive manufacturers and is soon expected to be in demand.

Isgec has launched CNC Hydraulic Press Brakes at IMTEX 2022. Manufactured at its facility in Bawal, Haryana, they have capacities ranging from 110 T to 220 T as well as advanced features such as Automatic Anti-deflection System, Precise 4 Axis Back Gauge System with servo-controlled X-Axis, and a Closed Loop Hydraulic System. **SD**

**c) Automated Tandem Press Lines:** These are popular with Tier-

Source: Magic Wand Media



Yogesh Saxena, Business Head, Machine Building Division, Isgec Heavy Engineering Ltd (extreme right) along with customers at the booth

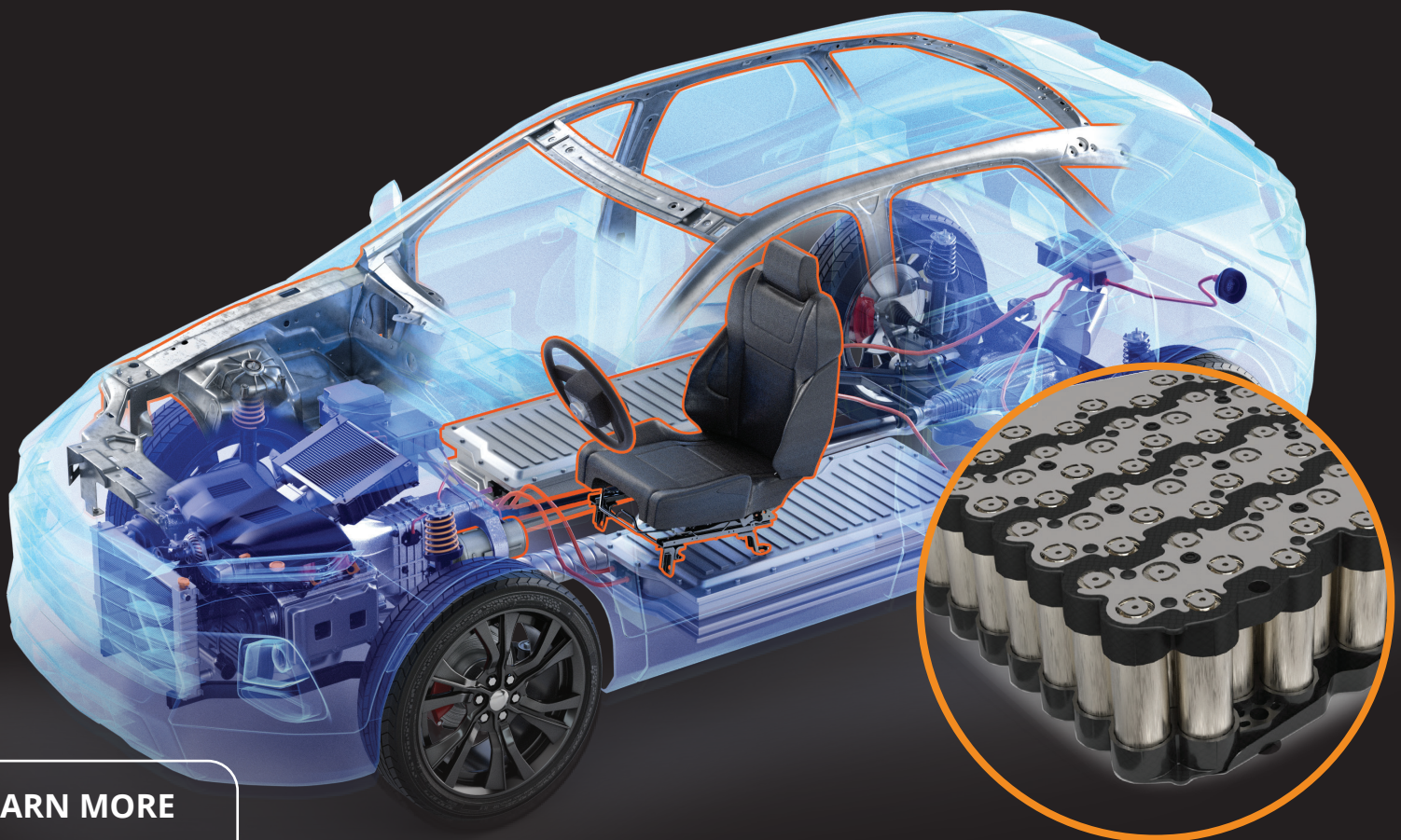




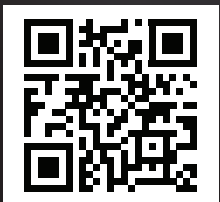
**VISIT US:**

**IMTEX 2022**  
**HALL # 4 BOOTH # C101**  
**VENUE - BIEC, BENGALURU**  
**DATES - JUNE 16 - 21, 2022**

# IPG Revolutionizes E-Mobility Applications



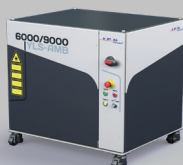
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## EV Battery Welding Solutions

### ADJUSTABLE MODE BEAM (AMB) LASERS

- Spatter reduction on EV batteries for **improved reliability and safety**
- **Superior welding quality** of challenging dissimilar materials
- **Faster, more uniform high-speed welding**



### HIGH POWER SCAN HEADS

- **Consistent, precise, high-speed** welding of cells to bus bars
- **High strength welds** with no seal damage
- **Consistent penetration depth**



### INLINE WELD MONITORING

- In-weld real-time monitoring and control for **optimal battery welds**
- **Eliminates the need** for destructive testing
- **Reduces scrap and increases overall throughput**
- **Identifies problems before processing begins**



**3D PRINTING AND SCANNING SOLUTIONS**

# Reaching Out

**ARK Infosolutions, a leading value-added distributor of technology products in India, demonstrates at IMTEX its services and solutions for various industry segments to help them bring products to market faster, move quickly, and cut costs.**

Expecting the event to generate good business relations and leads, Somik Bhattacharya, Sr Manager-Marketing, ARK Infosolutions Pvt Ltd, says, "IMTEX 2022 has given us the opportunity to connect with technology users across India

once again. We intend to connect with everyone that walks in and showcase our solutions spread in digital manufacturing, especially 3D printing services." Being primarily a service company, 3D printing and scanning services are its primary solutions. The company is also a distributor for Ansys, Stratasys, SLM, and Polyga. It serves industries such as Digital Manufacturing, Media & Entertainment, Education, and Office Utilities. "No, we are not launching any new product. Our service line, however, is new, and we are showcasing that," shares Bhattacharya. "Our solutions suit all industries that are into prototyping and small batch production."



**ARK Infosolutions Pvt Ltd**  
www.arkinfo.in  
Hall 3, Booth D115

Source: Magic Wand Media

**INDUSTRIAL AUTOMATION PRODUCTS**

# Making the World Smart



**Luna Technologies Pvt Ltd**  
www.luna.co.in  
Hall 4, Booth A120

Source: Magic Wand Media

Luna Technologies Pvt Ltd is a leading supplier of industrial automation products and services from international brands like Hiwin, Panasonic, Mindman, Fatek, SUNG-IL, and WON. Adnan Bearingwala, Director, Luna Technologies Pvt Ltd, believes that IMTEX FORMING 2022 being Asia's largest forming technology exhibition is an ideal platform for the industry fraternity to showcase their products and gain insights into the fastest-growing Asian market. The company has a wide range of Industrial Equipment and Powerful Robots to display at the event along with their live demonstration. It inclu-

des Luna's five verticals: Mechatronics, Automation, Robotics, Bearing, and Medical. "We have a few products from major brands, including Hiwin Articulated Robot, S&A Chiller, Raycus Laser Source, RayTools Laser Cutting Technology, along with our conventional products that include Hiwin Ballscrews and guideways, SUNG-IL Couplings, TPI Bearings Mindman Pneumatics, Panasonic HMI & Servo Systems, Syntec Controllers, ZD Gearboxes, Fatek Motors, and Weintek. The company is keen to meet Sheet Metal Cutting Bending and Welding OEMs and users."

**FIBER LASER CUTTING MACHINES**

# Enhancing Sheet Metal Processing

L3 and L5 fiber laser cutting machines are consolidated systems in the market. In line with the Salvagnini tradition, they are constantly perfected with the introduction of new hardware and software solutions. L3, a versatile system intended for transversal use, whatever the applications, materials, and thicknesses, and L5, a highly performing, high-dynamic system for thin and medium-thin material. The adoption rates of the L3 and L5 vary according to the customer's industrial sectors but, above all for the L5, we can identify an interesting trend: the choice of relatively low powers, precisely in those sectors where thin sheet metal is used the most, demonstrating that increased power is not always the best answer.

benefited the L5: its high dynamics have further improved the cutting speed reached by more powerful sources. From early 2021, both product lines have higher XY positioning speeds. "We have focused on three main trends," explains Pierandrea Bello, Salvagnini Product Manager for laser technologies. "The first is that of simplification, developing

easy-to-use, lean solutions allowing operators to effortlessly solve some of the everyday problems involved in their work. This category includes for example a series of artificial vision devices, including the recent addition, the NVS (Nozzle Vision System). The

second area is that of automation, which helps to recover significant efficiencies. The third is that of process optimization, to improve overall factory performance through digitalization and OPS, the modular production management software."

**Salvagnini Machinery India Pvt Ltd**  
www.salvagninigroup.com  
Hall 4, Booth B102



**Evolving with Times**

However, Salvagnini has also extended its cutting power range, introducing first a 6 kW high-density power source, and then a 10 kW source. This extension has

SD

Source: Salvagnini Machinery India Pvt Ltd

**INDUSTRY 4.0**

# IMTMA Organizes Live Demo on Evolutionary Industry 4.0 Concepts

Source: Magic Wand Media



Indian Machine Tool Manufacturers' Association has organized a LIVE Demo on Industry 4.0 as part of IMTEX FORMING 2022 at its Technology Centre, which will enable visitors to gain an insight into how a model smart factory works and help them embrace digital transformation to maximize their real business value.

At the Technology Centre, a model smart factory has been set up where CNC turning center, CNC

machining center, digital height gauge, and CMM machines are digitally connected and monitored in real-time. The real-time data is acquired through the data acquisition devices and CNC controls.

## Automation for Transformation

Building the strengths of inherent manufacturing processes and agglomerating the base capabilities and capacities to meet the future

needs of industries demand a shift to the latest technological trends. Industries are deploying evolutionary Industry 4.0 concepts to serve customers with extra agility and hiring the right talent with requisite skill-sets occupies prime importance in this evolution.

Post-COVID, digitalization has gained substantial ground in the entire ecosystem of manufacturing involving parts tracking, inventory management, logistics manage-

ment, customer support, remote installation, monitoring, diagnostics, and services. Companies are making swift moves towards Industry 4.0 and automation of traditional manufacturing practices. Shopfloor automation is already gaining traction in terms of sensorizing devices, capturing, monitoring, and analyzing data for enhanced productivity. Sensors and data capturing are deployed for early warning of machine failures for need-based maintenance. Usage of robots, collaborative robots for various applications for enhancing productivity, safety, and quality is being considered seriously by industries.

This thrust on data capturing and data mining for taking data-centric management decisions is transforming industries.

At IMTEX, we are keen to meet people from the automotive, sheet metal, press tool development, and machining sectors. **SD**

**CAD/CAM SOFTWARE**

## Innovating to Grow

At IMTEX FORMING, Imran Jagirdar, Director, Pharos Innovations Pvt Ltd, wants to show the tooling community the best of its products suitable for Industry 4.0. "We believe technologies can transform our lives. The tooling industries must migrate and adopt advanced technologies to fulfill the demand for our domestic products," he says.

### What is VISI?

At IMTEX, Pharos is showcasing VISI, a CAD/CAM software, specially designed for tool & die industries. According to Jagirdar, "It is an industry-specific CAD/CAM software for toolmakers. It is an end-to-end solution for product design, blank development, strip layout planning, punch design, tool design, design detailing, CAM programming (2-axis to 5-axis milling), and wire cutting (2-axis to 4-axis). These activities relate to sheet metal," says Jagirdar.

The software can also be used in plastic injection molding, right from product design, core cavity extraction, inserts designing, standard mold base/custom mold design, design detailing, electrode extraction, and mold flow analysis.

While the company is not launching any new product or technology, it is eager to meet presstool designers/manufacturers, plastics injection mold designers/manufacturers, and tool room people. **SD**

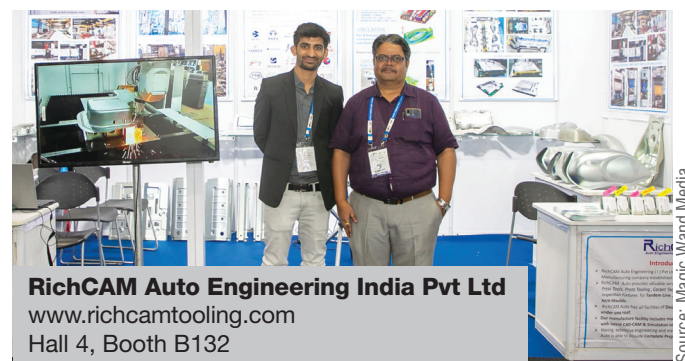


**Pharos Innovations Pvt Ltd**  
www.pharoscadcam.com  
Hall 4, Booth C138

Source: Magic Wand Media

**PRESS TOOLS**

## Marked for Progress



**RichCAM Auto Engineering India Pvt Ltd**  
www.richcamtooling.com  
Hall 4, Booth B132

Source: Magic Wand Media

A press tool manufacturing company, RichCAM Auto Engineering India Pvt Ltd is credited with offering valuable toolroom services like Draw, Deep Draw, Trim, Flange, Wipe, Cam Operated Tools, and Panel Checker.

Abhijeet C Kholam, PBD Head, RichCAM Auto Engineering India, says, "Our services range from press tools, sheet metal dies, press tools manufacture, draw dies manufacture, panel checker, inspection fixture, checking fixture, checking gauge, welding fixture, CNC machining, to job inspection by CMM portable arm. We design and manufacture various types of press tools and inspection fixtures for plastics (car interiors) and sheet metal (car body) components."

At IMTEX, we are keen to meet people from the automotive, sheet metal, press tool development, and machining sectors. **SD**

**DIGITAL MANUFACTURING**

# With a Global Edge

Sarto Electro Equipments is a distributor of exclusive high-end machines for a gamut of industries. Rohil Mehta, Director, Sales & Marketing, says, "We have a range of products that are quite unique and come with high-end technologies (viz. DLP, SLA, bio-medical, metal printing, sand printing, etc.) that cater to all types of manufacturing industries."

**3D Printers**

Interestingly, the company has global tie-ups wherein it imports

machines that are exclusive in nature. It is a distributor of 3D printers for the following companies:

**ETEC-Germany:** Inventor of DLP - 3D Printers. The machine is a bio-plotter for tissue cell engineering, widely used in medical labs for research purposes.

**Zortrax C.A. - Poland:** Fused Deposition Modeling (FDM) technology, which is used for making parts for type testing and design validation.

**Velo 3D:** USA - DMLS technology (direct metal laser sintering). This technology will help the user to make the most challenging parts that require no post processing.

The company has launched Velo 3D at IMTEX FORMING 2022. It is specially used in critical parts for aeronautical, defence, oil & gas turbines, and aerospace industries. Sarto Electro is also showcasing various metal parts, which cannot be made in just any 3D metal printing machine.



**Sarto Electro Equipments Pvt Ltd**  
www.sartoelctro.com  
Hall 3A, Booth E110

Source: Magic Wand Media

**AIR COMPRESSORS**

# Excellence is in the Air

Helix Engineering is a key supplier of Chicago Pneumatic compressors to the laser industry and expects good traction for it in India since it is a renowned brand. At IMTEX, the company has two products - 16 Bar Screw Compressor from Chicago Pneumatic introduced in the Indian market, especially for laser applications; and nitrogen generators from Pneumatech for in-house nitrogen generation.

Nikhil Hegde, Director, Helix Engineering, says, "We look forward to meeting people from laser and forming applications, and CNC and punching applications."

**From Global Brands**

With the growing trend for high-pressure screw compressors, the 100-year-old Chicago Pneumatic brand has introduced 13 bar and



**Helix Engineering**  
www.helixengineering.in  
Hall 3A, Booth C118

16 bar screw compressors with accessories with the lowest oil carryover in the industry.

Pneumatech, under the Atlas Copco Group, products are designed to meet energy efficiency needs. Its products and solutions provide clean, dry air and gas to general industries as well as automotive, textile, power generation, oil & gas, food & beverage, and electronics.

Source: Magic Wand Media

Scan the QR code to read  
**IMTEX FORMING 2022 Show Dailies**



**DIGITAL MANUFACTURING - ADDITIVE MANUFACTURING**

# The Future is Digital

Digital Manufacturing is now an integral part of Forming and Tooling industries, says Rajesh Mrithujayan of Monotech Systems Ltd, a participant in the Digital Manufacturing Pavilion at IMTEX FORMING 2022.

With low-volume production and Prototyping tooling being more efficient and low cost with Additive Manufacturing, Rajesh Mrithujayan, VP - 3D Products and Solutions Monotech Systems Ltd, deems the platform of IMTEX to be a significant one to showcase the company's Additive Manufacturing technologies to the industry. He shares that the focus at

the event is on meeting professionals from the Forming, Tooling, Manufacturing sectors, and Service Providers.

The company is showcasing three of its technologies at the event - Meltio, the most affordable Metal Wire DED (LMD Technology) 3D printer for a wide range of ferrous alloys and Titanium parts for the industry, and efficient and low-cost tooling solutions; 3D Systems Figure-4, a DLP technology 3D Printer which can print low-volume parts for end use, replacing expensive injection molding tooling; and Markforged Mark Two, the composite 3D printer which is capable of reinforcing fiber along with a matrix thermoplastic which can be utilized in tools, gauges, fixtures and can replace aluminum in these applications. A higher strength-to-weight ratio makes it a lightweight but strong option for many industrial applications and end use parts.



**Monotech Systems Ltd**  
www.monotech.in  
Hall 3A, Booth D109

Source: Magic Wand Media

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SD

**INDUSTRY DELEGATES**

**BCIC Delegates Visit IMTEX 2022**



Source: Magic Wand Media

A team of delegates consisting of technology experts, consultants, and trainers from Bangalore Chamber of Industries & Commerce (BCIC) yesterday visited IMTEX 2022. They were on the lookout for new technologies that could be introduced to the Indian manufac-

turing industry to make it more competitive globally. Describing their purpose behind the visit, Dr S Devarajan, Co-Chairman, Manufacturing Expert Committee, BCIC, and Sr. Vice President, Production Engineering, said, "We come to IMTEX regularly to see the changes

happening in the field of technology, and the way new technologies can deliver competitiveness among our manufacturers. It's also an opportunity to interact with many of our suppliers who put up their stalls here. And since advanced manufacturing technologies including IoT, digitalization etc., are also being adopted by the Indian manufacturers, we try to understand the scope of manufacturing or producing them in India. It's crucial to chalk out strategies for accelerating the process of making Bharat Aatmanirbhar." "Like its previous editions, IMTEX FORMING 2022 is also a well-organized show. There is a special focus on Indian manufacturing in Hall no. 2. Although the crowd is less today,

it will increase tomorrow (Sunday). Having come here to explore the cutting-edge in manufacturing, one gets to know what needs to be introduced to the Indian manufacturing industry," he added. Focusing on the need for self-reliance, Prakash G, Chairman, Technical Committee of BCIC and Vice President, Technical Division Corporate, Toyota Kirloskar Auto Parts Pvt Ltd, said, "We are basically an automotive parts manufacturer moving on from traditional drive-trains to electrical drive-trains. For several reasons, we need to depend on our parent Japanese company, which is a time-consuming and expensive affair. Now, our parent company wants us to be self-reliant. Hence, we are here to explore and source technologies to become so. I have zeroed in on some technologies that can help us become 'aatmanirbhar'." **SD**

**SHOWDAILY™**

Printed & Published by Magic Wand Media

It's a matter of immense pride for all of us associated with the manufacturing industry to gather together in-person once again after over two years, having surmounted our unique challenges in the recent past.

We thank all those who cooperated and contributed to our success in bringing out SHOW DAILY on IMTEX FORMING 2022 & Tooltech 2022.

— Team Magic Wand Media Inc



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**DIGITAL MANUFACTURING**

## Embarking on a Digital Journey



Source: Magic Wand Media

**S**Nic Solutions delivers digital transformation software solutions built for the specific needs of manufacturing industries. Rayhan Khan, VP Sales (APAC), SNic Solutions Pvt Ltd, informs, "We aim to help manufacturers maximize the value of their products and processes by providing end-to-end visibility and control of their production processes." The company's showcased offerings at the Digital Manufacturing Pavilion at IMTEX FORMING 2022 include: Production Planning & Production Scheduling Software, Manufacturing Execution Systems and Quality Management Systems. It has launched a new SAAS-based cloud platform for production monitoring and production execution in collaboration with Rockwell Automation called Plex Systems. This platform is designed for small to medium businesses to quickly adopt and add significant value to their business. "We are interested in meeting stakeholders from the discrete industry setups like automotive OEMs, Auto suppliers, Tool makers, Machine builders, Aerospace suppliers etc.," he adds.

**SD**

**FIBER LASER CUTTING**

## In Tandem with Industry Trends

**J**FY India is showcasing its latest fiber laser cutting and bending machines, which were designed with Indian customers in mind at IMTEX FORMING 2022. Deepak Razdan, Director, JFY India, says, "We have put up a big team and the latest machines for IMTEX, and meeting customers face-to-face is something we are keen on." Demonstrating the latest fiber laser cutting machine BFC along with TPR8 in bending, he states, "This laser machine will suffice customer requirements in terms of both quality and competitiveness, and this is going to be our star product for Indian customers. On the other hand, the new advanced and competitive Press Brake controller will be a game-changer in the Press Brake market." Speaking about the sheet metal industry, he says, "The best part is it finds applications in all industry segments. We are meeting all the customers who are in the industries including Sheet Metal, Automobile, Electric Battery, Elevators, Lifts, Kitchen Equipment, Agriculture, Defense, etc."

**SD**



Source: Magic Wand Media

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**VISITOR VIEWS**



Source: Magic Wand Media

» We are a Varodara-based manufacturer of precision balls for pharmaceutical companies and special applications. We have received fair amount of knowledge that we had come looking for, especially on 3D technology and automation. Thanks to IMTEX, we could meet our customer from Germany who has a stall at the event.»

**Jatin Patel**  
General Manager (Production Head)  
NHB Ball & Roller



Source: Magic Wand Media

» I am a regular to IMTEX. Thankfully, the event has reopened and created an opportunity for the industry people to meet face to face. This time I met top-level executives for the information that I needed. As ever, it's been an insightful and well-managed show. All the reasons to participate again.»

**Rahul Diwan**  
Business Development Manager  
ANCA Motion  
Bangalore

**AATMANIRBHAR BHARAT**

## The Power of Self-Reliance



amace solutions is proud to be showcasing the company's self-reliance and commendable achievements at the Aatmanirbhar Pavilion at IMTEX 2022. "With amace solutions, Ace Micromatic group is set out to prove that even the most advanced manu-

facturing machines can be made in India at a quality that is at par with the rest of the world, and that is what we are here to showcase. It gives us great pride to show the world what we have achieved," says Dr Vishwas R Puttige, Business Head, amace solutions pvt ltd.

amace solutions is an end-to-end additive manufacturing (AM) solution provider. It launched its own indigenously developed Metal 3D Printer, the STLR 400, last year in July. "At IMTEX, we have showcased some of the key features of the machine (including some patented) both from a hardware and software perspective," he shares.

### Presence Across Segments

The company targets to meet representatives from industries including Aerospace, Defence, Automotive, Die & Mould, Oil & Gas, Medical, and General Engineering in this edition of IMTEX.

"Through AM, we have been enabling our customers across industry

segments to make parts indigenously. We are proud to say that our machines' indigenization is at 70 percent, and we look to increase that further in the coming days," he adds.

### Focus on R&D and Tech

Puttige expresses his willingness to help Indian SMEs by working alongside the Government in its efforts to provide them with the latest in manufacturing technology. "amace, along with Ace Micromatic group, can cater to a wide range of requirements that the SMEs might have from a technology upgradation perspective. We will be glad to extend our support in installing our indigenously made metal 3D printers and metal cutting machines for R&D or production across the centers of excellence that are being established for the benefit of SMEs," he says.

**SD**

**AATMANIRBHAR BHARAT**

## Making a Difference

Emphasizing that Aatmanirbhar Bharat is the vision of the new India and that the Government of India's bold reforms will greatly benefit the industry, S K Saha, Vice President - Marketing, Electropneumatics & Hydraulics (I) Pvt Ltd, asserts, "It is in this context, and IMTEX being the premier Machine Tools exhibition, that the idea of the Aatmanirbhar Bharat Pavilion holds tremendous value. We, at Electropneumatics, have traditionally pioneered many indigenous technologies and thought it prudent to participate in this opportune event."

### Displaying Innovation

CNC All-Electric Bi-Directional Tube Bender is one of the

company's most recent technological products on display. The machine can bend in both clockwise and counterclockwise directions and is outfitted with an indigenous Electropneumatics SmartBend CNC Controller that operates on a real-time Linux-based operating system. Electropneumatics make Servo Motors and Servo Drives improve machine functionality. The exhibition stall features a live demonstration of Hydroforming technology, which the company has pioneered in India since 2000.

### Driving Indigenization Forward

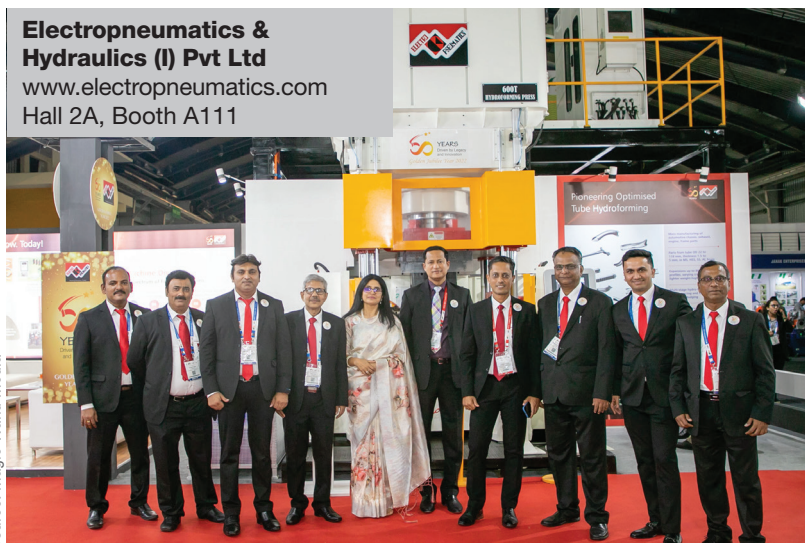
Since its inception, the company's belief in indigenization has been its core value, propelling continuous

innovation in newer technologies and products. Saha says, "We have continuously focused on research and development. The company is a DSIR-recognized in-house R&D Center."

Ramping up domestic capacity for various imported parts will undoubtedly reduce dependency on foreign countries and improve

procurement lead times, especially in light of the global micro-processor shortage. In this context, he says, "At Electropneumatics, we are fortunate to have our own CNC/PLC Controllers, AC Servo Drives, and AC Servo Motors, which are the heart of CNC-controlled machines we produce."

**SD**



**ENHANCING COMPETITIVENESS**  
**Tumakuru Machine Tool Park (TMTTP)**  
www.tmttp.in  
Hall 3A, Booth D120

## Working Together for Industry Growth

>> IMTMA throughout has been very supportive of us in finding the right prospect and, through IMTEX, which is the flagship event of IMTMA, we are hopeful of finding the right applicants and maximizing the opportunity to the fullest. We participated in 2019 and 2020 IMTEX and were able to get a reasonable number of leads. But unfortunately, due to the pandemic, there was no event in the last two years and now we are hoping to start on a good note by selling a good number of plots. We are also trying to promote as many indigenous investors and budding entrepreneurs as possible so that they can generate employment, thus contributing toward Aatmanirbhar Bharat. We are also looking forward to contributing to the growth of the machine tool industry through the Tumakuru Machine Tool Park which is at the center of the Chennai Bengaluru Industrial Corridor (CBIC). <<

**Manjunath L**  
Chief Marketing Officer  
Tumakuru Machine Tool Park



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