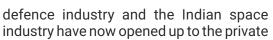


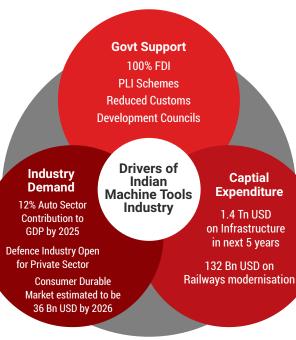


Indian Machine Tools Industry: Looking Ahead

India is the only large economy predicted to grow significantly in the coming years and this estimate is largely based on the huge domestic demand of India. Additionally, in a world seeking 'reliable supply chains' and 'friendshoring', the government of India's determined pursuit of foreign investments with investorfriendly policies has made India a fastemerging destination for global manufacturing. The unprecedented foreign direct investment (FDI), M&A and technology collaborations have also brought along world-class manufacturing technologies and international quality standards. Adoption of cutting-edge manufacturing technologies like 3D Printing is increasingly becoming common.

Today, many international auto manufacturers have their plants in India and many more are on the anvil. The Indian





sector. The domestic aviation market is pegged to be the 3rd largest in the world by 2024. Large investments in Infrastructure, Heavy Engineering, Ship Building and Railways have all resulted in a huge demand for capital goods and machine tools. Similar investments are also seen in diverse sectors such as Consumer Appliances, Textiles Machinery, Construction Equipments, Agricultural Equipments, Medical, General Engineering & others. At the inauguration of 'IMTEX FORMING 2022', Ravi Raghavan, President, Indian Machine Tool Manufacturers' Association (IMTMA), said "the industry is expected to reach Rs. 9,500-10,000 crore in 2022-23". Industry leaders believe the machine tools market in India is poised to grow substantially during 2020-25, probably at a CAGR of nearly 13 to 14 percent.



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March 6-11, 2023

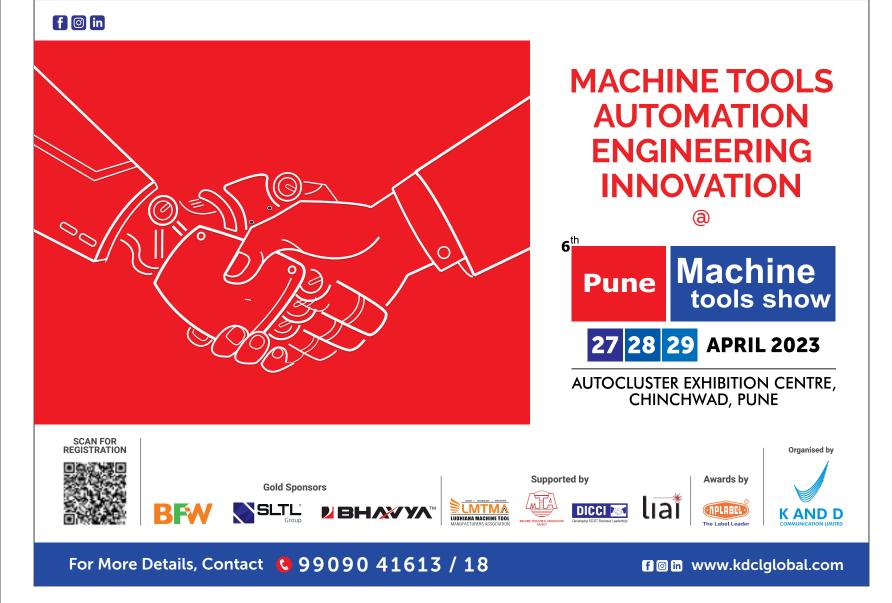
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Visitor Registration



Product showcase

Tube Cutting Automation Solutions



The robust laser tube cutting machine is ideal for intelligent sorting, lowering labour costs, and achieving high levels of automation. The advanced fiber laser tube cutting machine has a 4, 5, and 6-axis swing cutting head that allows for pipe bevel cutting within a ±45° range. This ingenious machine comes with an automatic loading and unloading system for a 6 m pipe. The specialised tube-cutting machines are designed in such a way that they can cut tubes repeatedly for large amounts of manufacturing in a single pass.

Sahajanand Laser Technologies Ltd www.SLTL.com Visit us at: Pune Machine Tools Show 2023 Hall No. A • Stall No. P2

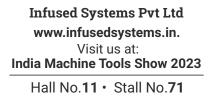
Laser Marking Machine



In an era of increasing export & production of products to various countries as per European quality & safety standard, Infused Systems launch Laser Marking Model with fully enhanced features to ensure right quality product mark & optimum use of machine. Infused range include 2/3/5 Axis

machines for covering maximum number of applications in Industries.

Our Alpha-X is perfectly suitable for industrial goods traceability systems which is proven at number of different industrial applications with reliability, our company has capability to customize machines as per customer requirement to get the machine fit as per customer line of production.



RUP1 ultrasonic probe for the REVO® 5-axis system



makes automated thickness measurement an integral part of your CMM measurement procedure. Unlike many other ultrasonic systems, RUP1 does not require the use of water tanks or coupling gel to e n a b l e a g o o d

The RUP1 probe system

transmission of the signal. Instead, it uses an innovative elastomer tip ball to provide excellent coupling between the probe and the material.

As a result, the RUP1 probe eliminates the need for skilled operators to interpret oscilloscope screens and releases shop floor space occupied by the dedicated immersion tanks. The use of ultrasonics for single-sided measurement of part thickness also delivers clear advantages over traditional tactile probing techniques for parts where access to internal features is challenging. Aircraft landing gear parts, power generation drive shafts, and hollow aerospace blades are only a few parts that will significantly benefit from using the RUP1 system.

> Renishaw Metrology Systems Ltd www.renishaw.com Visit us at: India Machine Tools Show 2023 Hall No.10 • Stall No. P4

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Instant Measurement Machine



The salient features of the machine are (1) Simultaneous measurements are performed in seconds - measurements on up to 300 dimensions can be completed in seconds, greatly reducing the resources spent on measurement work. (2) Intuitive interface that anyone can use - now, any operator can take accurate measurements; simply press the 'Measure' button to measure all the specified dimensions. (3) Measure small, large, and three-dimensional parts - the rotary unit coupled with advanced detection capability supports a wide range of shapes. Three-dimensional parts can be precisely measured.

> Keyence India Pvt Ltd www.keyence.co.in Visit us at: India Machine Tools Show 2023 Hall No.11 • Stall No. 73

Induction Heating Machine



Induction heating machine incorporate high frequency generators for non-contact heating of metal using electromagnetic induction.

When AC is applied to a coil surrounding the work (metal), a magnetic field is generated by the current flowing in the coil, and induced loss (hysteresis loss) is generated causing a heat.

At the same time, in the magnetic field which alternates with the AC, a spiral current (eddy current) is generated by the electromagnetic induction. This eddy current generates Joule heating, and a heat loss of the electromagnetic energy (eddy-current loss) will be caused.

High frequency induction heating equipment performs heating by utilizing the two heating principle, namely hysteresis loss and eddy-current loss.

Induction heating machine used in induction hardening, forging, brazing, annealing and metal heat treatment wide capacity starting from 5kw low frequency medium frequency and high frequency.

> Malhotra Technologies www.malhotratechnologies.com Visit us at: India Machine Tools Show 2023

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9 3X3

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GALINCOATING INDIA PRIVATE LIMITED

P-1

23x15

Bodor Laser

India Private limited

HALL-9

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Revisiting India Machine Tools Show 2019

India Machine Tools Show 2019 was a great success. The event witnessed 38,576 visitors from 256 regions of India and 315 participants from 15 different countries. Participants in this exhibition explored business possibilities to the fullest. This collaborative effort translated into measurable results stated in the crux below.

38576 Visitors from **EXHIBITOR GOAL ACHIEVEMENT** 256 Regions of India **Could advertise their** International Generated new brand & team & **Participation** sales leads maintain PR USA, Germany, Spain, Italy, Japan, Belgium Finland, Korea, Turkey , UK, France, Taiwan Netherlands, Switzerland, China Successfully converted Could make market/ 82% ongoing prospects competitor observations **Exhibition Space** 20,000 Sq.mtr Ň Maintained existing 89% business relations n n EXHIBITOR GOAL ACHIEVEMENT MATERIAL HANDLING, STORAGE & LOGISTICS - 2% OTHERS - 3% **INDUSTRIAL LUBRICANTS - 0%** HYDRAULICS & PNEUMATICS - 3% **GEARS, MOTORS & DRIVES - 1%** MACHINE TOOLS - CUTTING - 20% FASTENER & HARDWARE - 1% ROBOTICS & AUTOMATION8 **ELECTRONICS & ELECTRICALS - 4%** CAD/CAM/SOFTWARES, 75 - 1% TESTING & MEASURING EQUIPMENT......17 TUBE & PIPE TECHNOLOGY - 2% WELDING EQUIPMENT & CONSUMABLES.....12 SURFACE FINISHING BLASTING - 2% ADDITIVE MANUFACTURING7 AIR COMPRESSOR - 2% AIR COMPRESSOR 11 ADDITIVE MANUFACTURING - 1% WELDING EQUIPMENT & CONSUMABLES - 4% TUBE & PIPE TECHNOLOGY5 CAD/CAM/SOFTWARES7

COLLABORATION AT ITS BEST

Exhibitors

315

 WELDING EQUIPMENT

 & CONSUMABLES - 4%

 TESTING & MEASURING

 EQUIPMENT - 5%

 ROBOTICS & AUTOMATION - 2%

 AUTOMATION - 2%

 MACHINE TOOLS

 ACCESSORIES - 6%

 PRECISION TOOLS - 6%

IMTOS 2019 also facilitated knowledge sharing by industry experts who discussed trends and future possibilities. The CGSC held a seminar titled "Industry on Driver Seat" and also a workshop on the topic of Recognition of Prior Learning (RPL). Zyfra organised talk shows on monitoring industrial equipment and CNC machine and machine data collection whereas EEPC INDIA presented information, insights and case studies, and implementation of their IIOT systems and solutions.



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