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Indian Machine Tool
Manufacturers' Association

Media Partner



Creating Impact

Paving a Progressive Path

The third edition of the Delhi Machine Tools Expo (DMTX) organized by Indian Machine Tools Manufacturers' Association (IMTMA) has been received with an unprecedented response from the participants from the nearby cities and states eager to make the most of the regional show. Highlights from its inaugural ceremony that was graced by industry veterans and experts at the helm of affairs...



Source: Magic Hand Media

(L-R): Indradev Babu, Vice President, IMTMA; V Anbu, Director General & CEO, IMTMA; Sukriti Likhi, Hon'ble Joint Secretary, Department of Heavy Industry, Government of India; Shri Arvind Ganpat Sawant, Hon'ble Minister of Heavy Industry and Public Enterprises; and P Ramadas, President, IMTMA; lighting the lamp at the inauguration ceremony of DMTX 2019.

After two successful editions in 2015 and 2017, the Delhi Machine Tool Expo 2019 has been arranged with the aim to bring the advancements in the field of metal-cutting and metal-forming machine tools to the SMEs of the cities close to Delhi-NCR region.

The four-day event is hosting around 150 exhibitors who are displaying state-of-the-art technology solutions and innovations in the field in an exhibition space of around 12,000 sq mt gross area. There is a special pavilion housed by Taiwan representing several important manufacturing companies from Taiwan. As expected, visitors have turned in from Delhi and industrial towns of Himachal Pradesh, Punjab, Haryana, Rajasthan, Uttar Pradesh, Uttarakhand, etc.

Starting on the right note

The inauguration ceremony of DMTX 2019 set a perfect stage for the following days that are to be action-packed with displays and launches of state-of-the-art products and technologies, and industry experts disseminating knowledge on the present and future innovations.

The event kick-started with the traditional lamp lighting by the Chief Guest, Shri Arvind Ganpat Sawant, Hon'ble Minister of Heavy Industry and Public Enterprises, Government of India. Also gracing the event was Sukriti Likhi, Hon'ble Joint Secretary, Department of Heavy Industry, Government of India; along with P Ramadas, President, IMTMA; Indradev Babu, Vice President, IMTMA;

V Anbu, Director General & CEO, IMTMA and other eminent dignitaries from the industry and the Government.

Empowering SMEs

Declaring the show open, Anbu emphasized on the importance of organizing regional expos and highlighted IMTMA's pursuit to strengthen SMEs through such shows. "Machine tool expos in various regions are held by IMTMA to take technological advancements to the doorsteps of small and medium manufacturing industries, especially Tier 2, Tier 3 and Tier 4 industry segments. If the country needs to progress in the manufacturing sector then we need to empower SMEs as they are the backbone of manufacturing in India," he said.

"Our aim is to reach out to the smallest and remotest units in northern India through this expo. Delhi is a major automotive and engineering hub and the city is surrounded by states which are equally equipped and holding an exhibition in this region will immensely benefit the industries spread in the northern region," he added.

Seconding his views, Ramadas added, "Our exhibitions have been able to create a win-win situation for both Indian and global machine tool builders. The Delhi Machine Tool Expo is one such initiative which has been taking a lead in bringing technology to the doorsteps of SMEs in the northern region of the country."

Continued on page 2



NATIONAL PRODUCTIVITY SUMMIT 2019
"Showcasing Competitiveness in Manufacturing"
20 - 21 August 2019 | BIEC | BANGALORE
KNOWLEDGE SHARING | CROSS LEARNING | NETWORKING

Key Take Aways

- Insightful plant visits to renowned manufacturing companies
- Learn & benchmark from best manufacturing practices
- Listen to keynote presentations from industry leaders
- Learn innovative approaches to address productivity challenges
- Exchange new ideas & concepts – Knowledge networking
- Ideal platform to interact and network with several manufacturing professionals

Industry Leaders speak

 Mr. Vipin Sondhi Managing Director & CEO JCB India Limited	 Mr. Bhaskar Bhat Managing Director Titan Company Limited
 Mr. G. Parthipan CEO Rane TRW Steering Systems	 Dr. Babu Padmanabhan Managing Director Steer Engineering Limited
 Mr. Sandeep Maini Chairman Maini Group	

**IMTMA - ACE MICROMATIC
PRODUCTIVITY CHAMPIONSHIP
AWARDS 2019**

Live case study presentations on best productivity practices from renowned companies

Contesting companies



Plant Visits (19th August 2019, Monday)

TOUR A : Ashok Leyland & TVS Motor Company

TOUR B : Volvo Trucks & Honda Motorcycle and Scooter India

TOUR C : Dynamatic Technologies & Volvo Construction Equipment

Registration for participation must be made online only.

To register online, log on to www.productivity.imtma.in

For details or any queries/clarifications during 'Online registration' process, contact Abhishek, tel: (080) 66246829, (abhishek@imtma.in)

Prashant Kulkarni, tel: (080) 66246805, (prashant.k@imtma.in)

Mobile : +91 9886611007



Source: Magic Wand Media

“ Manufacturing companies should not only strengthen themselves, but should also make sufficient profit to generate employment. Target should be to learn to produce innovative products so that we can be globally competitive.”

Shri Arvind Ganpat Sawant
Hon'ble Minister of Heavy Industry and Public Enterprises
Government of India

Continued from page 1

Indian machine tool industry's progress

According to the Gardner Business Media's latest report, the Indian machine tool industry is now placed 7th in consumption and 9th in production globally. It has also now got its own machine tool park at Vasanthanarasapura near Tumakuru in Karnataka with the support from DHI and the Government of Karnataka. Speaking on the growth the Indian machine tool industry has attained, Ramadas said, "The Indian manufacturing industry has crossed several milestones and the Machine tools industry has a big role to play in this. I see immense possibility for the small manufacturers to grow in the coming days. Best cooperation from the government will help the SMEs grow further."

From the other side

Shri Sawant shed light on the Government's moves to provide fillip to the industry. He stressed that manufacturing companies should not only strengthen themselves, but should



Source: Magic Wand Media

“ Delhi Machine Tool Expo provides a good opportunity, especially for the small manufacturers to display their capabilities to secure valuable orders.”

Sukriti Likhi
Hon'ble Joint Secretary
Department of Heavy Industry
Government of India

also make sufficient profit to generate employment. With regard to the 'Make in India initiative', the Minister said two things are being done. "Income tax has been reduced to 25 percent for the companies with a turnover below ₹400 crore. Secondly, FDI is coming through joint ventures with the foreign companies."

"But the target is that we should learn to produce innovative products so that we can be globally competitive," he added. He spoke on electric vehicles (EVs), which are to define the country's future and urged the manufacturers to go for manufacturing batteries for the same. "The price of EVs is increasing because of the cost of batteries. We need to be free from the dependence on other countries for the batteries," he stressed.

"We are first concentrating on mass transportation. We have announced 5,000 subsidised EVs. The condition is that the city must be a smart city with a population of 1 million. We have received more than 15,000 Expression of Interests (EOIs). Finally, we are giving 5,595 subsidised EVs to the mass scale operators," he added.



Source: Magic Wand Media

“ The Indian manufacturing industry has crossed several milestones and the Machine tools industry has a big role to play in this. I see immense possibility for the small manufacturers to grow in the coming days. Best cooperation from the government will help the SMEs grow further.”

P Ramadas
President
IMTMA

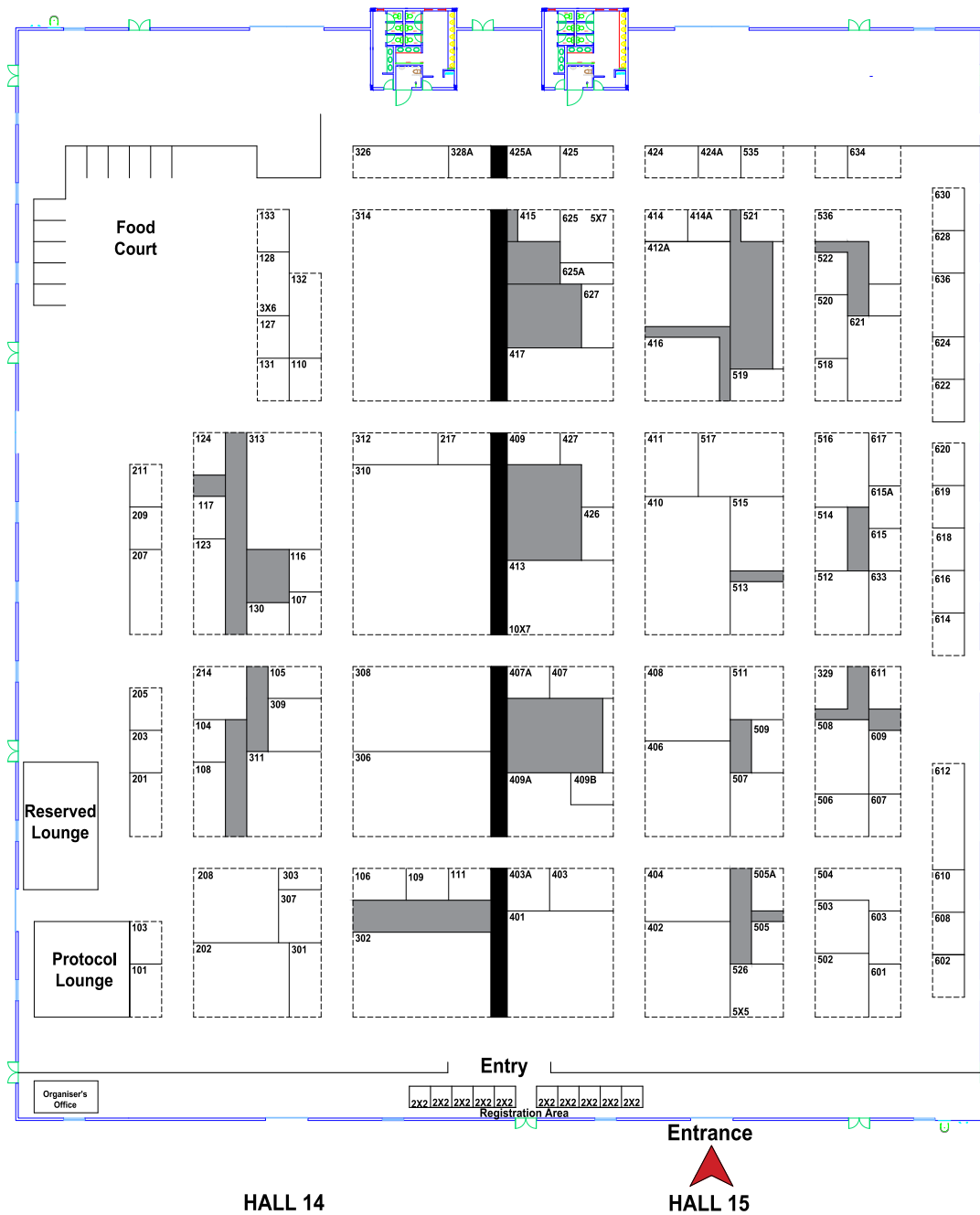


Source: Magic Wand Media

“ Regional machine tool expos by IMTMA take technological advancements to the doorsteps of small and medium manufacturing industries, especially Tier 2, Tier 3 and Tier 4 industry segments. If the country needs to progress, we need to empower SMEs as they are the backbone of manufacturing in India.”

V Anbu
Director General & CEO
IMTMA

Floor Plan



HALL 14

Entrance
HALL 15

Exhibitor list

Company Name	Stall No
A.V. Engineers	508
Abbott Toolfast Pvt. Ltd	612
Abexmatic Hydraulics Pvt Ltd	217
Ace Micromatic Group	306
Adarsh CNC Services Pvt. Ltd	214
Ahire Machine Tools Pvt. Ltd.	424
ALMTI	209
Anand Engineers Pvt. Ltd	512
Anil Bearing Company	414A
Autoturners Automations Pvt. Ltd	130
Banbros Engineering Pvt Ltd	636
Batliboi Ltd	401
Beijing CTB Co., Ltd	127
Bettinelli Automation Components Pvt. Ltd	617
Birla Precision Technologies Ltd	520
Blum Novotest Measuring And Testing Technology Pvt.Ltd	312
Capital Goods Skill Council	514
Chain-Headway Machine Tools Co., Ltd	627
Changzhou Hiboo Tools Co.,Ltd	616
Changzhou Raiko Cutting Tools Co., Ltd	328A

Company Name	Stall No
Chengdu NEWKer CNC-Technology Co.,Ltd	109
Chennai Metco Pvt. Ltd	207
CRC India Manufacturing and Distributors Pvt. Ltd	203
Creintors Automation Solutions Pvt. Ltd	116
De Neers Tools LLP	614
Dongguan Kingjime Machine Ltd	618
Dosatron International	407A
Dynamic Engineering Company	615
Dynascan Inspection Systems Company	131
Dynemech Systems Pvt. Ltd	103
Electropneumatics & Hydraulics (I) Pvt. Ltd	413
Emtex Manufacturing	417
Epson India Pvt Ltd	502
Falcon Toolings	519
Faro Business Technologies India Pvt Ltd.	201
Fenwick and Ravi	132
Gedee Weiler Pvt. Ltd	416
Geo Informatics Consultant Pvt. Ltd	211
GH Induction India Pvt. Ltd	105
Golden Udyog	522

Company Name	Stall No
Hagg Mill Store Pvt. Ltd	630
Hind Hydraulics & Engineers	311
Honor Seiki Co., Ltd	625A
Hurco India Pvt. Ltd.	408
Hydax Hydraulics Pvt. Ltd	536
IMTMA Technology Centre	521
Indotech Industries (I) Pvt. Ltd	427
IRUS Engineering Pvt. Ltd	513
ITL Industries Ltd	123
Jagdeep Foundry (Regd.)	505A
Jaguar Machines	628
Jergens India Pvt. Ltd	110
Jinan Kaifeng CNC Machinery Co., Ltd	117
JVR Enterprises / Eastman Impex	615A
Jyoti CNC Automation Ltd	314
Kabelschlepp India Pvt. Ltd	106
Kinol Lubes Pvt Ltd	426
Kleenoil Filtration India Pvt. Ltd	518
Lakshmi Machine Works Ltd	310
Lamba Press & Shears	603
Linear Ways India	602

Company Name	Stall No
Lokesh Machines Ltd	409A
Losma India Pvt. Ltd	609
M. D. Corporation	507
Machine House (India) Pvt. Ltd	425
Maco Corporation (I) Pvt. Ltd	503
Macpower CNC Machines Ltd	313
Makino India Pvt. Ltd	302
Marposh India Pvt. Ltd	202
Marshall Machines Ltd	412A
MDL Vishal India Pvt. Ltd	205
Meiban Engineering Technologies Pvt. Ltd. / Muratec	403A
Millenia Technologies (I) LLP	535
Mitutoyo South Asia Pvt. Ltd	208
Miven Mayfran Conveyors Pvt. Ltd	104
M'La Sales Corporation	608
MMC Hardmetal India Pvt. Ltd	410
MMI India	409
Mogora Cosmic Pvt. Ltd	107
Muvtons Castors Pvt. Ltd	309
Nanjing Technical Equipment Manufacture	601
Nisha Engineering Works	111
Numeric -Novateur Electrical & Digital Systems Pvt. Ltd	407
Orcan Products of India	101
Oriental Motor (India) Pvt. Ltd	411
PAC Machine Tools India LLP	409B
PMT Machines Ltd.	326
Precision International	307
Precision Machines Corp	633
R.S. Hydraulics	124
Rapid Flow India Pvt. Ltd	634
Ravik Engineers Pvt. Ltd	404
Ringspann Power Transmission India Pvt Ltd	607
Riya Electrodes Pvt. Ltd	511
Sage Software Solutions Pvt Ltd	505
Sai Enterprises	611
Setco Spindles India Pvt. Ltd	619
Shandong Xingtian Sunshine Intelligent Equipment Co., Ltd	424A
Shanghai Yuhe Diamond Tool Co.,Ltd	622
Shilpin Machine Tools Pvt. Ltd	506
Singhal Power Presses Pvt. Ltd	403
SMW Autoblok Work Holding Pvt. Ltd.	516
Solarman Engineering Project (P) Ltd	515
Solidcam Software India Pvt. Ltd	414
Sparkonix (India) Pvt. Ltd.	504
Speciality Wire India	620
SriYantra Engineers Pvt. Ltd	301
Surya Machine Tools (I) Pvt. Ltd.	425A
Tech Mech Handling Equipment	108
Tongtai Machine & Tool Co., Ltd	625
Tsugami Precision Engineering India Pvt. Ltd	308
Tumakuru Machine Tool Park	509
UCAM Pvt. Ltd	402
Xtreme Gaming Pvt. Ltd	610
Yamazaki Machinery & Tools India Pvt. Ltd	406
Yushiro India Company Pvt. Ltd	526
Zhengzhou Jielida Abrasive Products Co., Ltd	517
Zhuzhou Lihua Cemented Carbide Co.,Ltd	329
Zigong Joint Carbide Co., Ltd	624

Hydraulic Equipment

Putting Innovation Within Reach

Deeming the North Region and particularly Delhi NCR as important auto and engineering industry hubs, Electropneumatics & Hydraulics (I) wants to make the best of its presence at DMTX 2019.

“We have a large customer base in the region. The objective to participate in DMTX shows is to mark our presence in the region on a continuous basis,” states Sanjay Saha, Vice President – Marketing, Electropneumatics & Hydraulics (I) Pvt Ltd. The show, according to him, gives the company an opportunity to interact with other potential industry users in the region. “Another reason is, many visitors of different levels from the North Region are not able to make it to bigger

international shows like IMTEX that is held in Bangalore. DMTX is a platform to reach those customers, exchange knowledge with them and present to them technological advancements in our products,” he adds.

Live action

Since major Automotive OEMs and large Auto Component manufacturers are located in the North region, Electropneumatics & Hydraulics is

expecting visitors from these industries. “However, there will be visitors from Switchgear, Furniture, Boiler, Gym Equipment, Forging, Agricultural Machinery, Earth Moving and other General Engineering industries too,” shares Saha.

The company is providing live demonstration of its two machines at its booth at DMTX 2019 – 5 Axes CNC Tube Bender 38CNC5X3-Hybrid and 35T Electric Servo Mechanical Press. 35T Electric Servo Mechanical Press, with a tonnage capacity of 35T, has a C-Frame construction. Its advanced features include:

- Automatic (motorized) oil lubrication system for slide/bushes/bearings and (pneumatic) grease lubrication system for cushion;
- Motorized slide adjustment with slide position display;
- Slide counterbalancing by pneumatic cylinders with slide hydraulic overload safety protection;
- Adjustable stroke, die height and tonnage of the slide on HMI;
- Complete package of servo drive, motor, PLC and HMI;

“Many visitors of different levels from the North Region are not able to make it to bigger international shows like IMTEX that is held in Bangalore. DMTX is a platform to reach those customers, exchange knowledge with them and present to them technological advancements in our products.”

Sanjay K Saha
Vice President – Marketing
Electropneumatics & Hydraulics (I)

- Low inertia, brushless AC Servo Motor with high energy, high performance servo drive;
- LCD display of feed length, speed and system parameter setting;
- Provision for automatic feeding system (coiler and decoiler).



35T Electric Servo Mechanical Press



Electropneumatics & Hydraulics (I) Pvt Ltd
www.electropneumatics.com
Hall & Stall: 15 / 413

4

CNC Vision Measuring Systems

Holding the Vision

Quick Vision Active CNC vision measuring system from Mitutoyo is a cost-effective, easy-to-operate, space-saving model with advanced functionality to meet many contact and noncontact measuring requirements.

The system is highly efficient and flexible, offering a wide field of view with interchangeable objective zoom lenses to meet the challenges of measuring small to large features. The 8-step zoom lens can achieve a magnification range of 0.5X to 7X while maintaining crisp image quality. With the choice of optional 1X, 1.5X & 2X objective lenses, it is possible to further widen the magnification range on the screen. Quick Vision Active is available with measuring ranges of 250 x 200 x 150 mm or 400 x 400 x 200 mm, with or without the touch-probe measuring option. QVPAK software uses edge detection and pattern recognition to locate and orientate the coordinate system with minimal operator input, ensuring accuracy and repeatability of the measurement results.

Features

- Accuracy: E1(X, Y) = (2.0+0.3L/100); E1(Z) = (3.0+0.5L/100); E2(XY) = (2.5+0.4L/100)
- Programmable 4-quadrant LED ring light
- Programmable LED stage and coaxial light
- High resolution and high speed CMOS colour camera
- High quality zoom optics with interchangeable objective lenses
- Compact design
- Powerful yet user-friendly QVPAK software.

Mitutoyo South Asia Pvt Ltd
www.mitutoyoindia.com
Hall & Stall: 14 / 208



Source: Mitutoyo South Asia Pvt Ltd



Jyoti CNC Automation Ltd
www.jyoti.co.in
Hall & Stall: 14 / 314

Drilling & Tapping Machines

Know the Drill

The high-speed Drill Tap Center from the Tachyon Series of Jyoti CNC is ideal for faster drill tap operations in automobile, medical and electronics sectors.

At Jyoti CNC Automation's pavilion at DMTX 2019 – Hall 14, Stall 314 – one can catch up on Tachyon 7 from the Tachyon Series, a unique concept column moving fast machine which is suitable for fast drilling and tapping in continuous production line that requires precision component output in mass. The concept of base and column structure with all the moving axis mass on the column helps high dynamics while maintaining high machining accuracy. The distinguishing feature of Tachyon is its integral workpiece changer which operates without any pneumatic or hydraulic system. The machine is with 10,000 rpm direct coupled spindle with high ramp-up time of less than 1 sec with high rapid of 60m/min. Tachyon also has a fast Twin-Arm ATC of 16 stations with tool change time of only 1 sec. It is ideal for applications in the industries including automobile, medical and electronics that require faster drill tap operations.

CNC Lathes

Invested in Innovation

Gedee Weiler brings innovation to the doorsteps of industry players of the northern India through the regional trade show of DMTX.

“Apart from national shows like IMTEX, we have been participating in regional shows that get organized in different zones of the country as the market requirements differ from region to region,” states K Ganapathi Subramanian, Vice President – Marketing & Sales, Gedee Weiler Pvt Ltd. “Regional shows help us take our latest products and technologies to the doorsteps of the prospective customers

in that region and the surrounding areas,” he adds. According to him, the biennial DMTX show organized by IMTMA is evolving into a matured show with the participation from all leading players. “As a company focused on the machines for mass production of small parts especially by the MSME sector, DMTX is highly instrumental to help us reach out to a big number of customers in Delhi NCR,

especially the small and medium units who may not have the opportunity to visit us at bigger shows like IMTEX,” says Subramanian, stressing the importance of regional shows.

Innovation is the key

The company is looking forward to a successful edition of DMTX. It is displaying one of its latest innovation – ‘The Versaturn’ which is the first of its kind CNC chucker with a zero point clamping integrated on to the saddle. Its unique feature is that in the long stroke version (X-300mm), the machine can accommodate larger diameter components up to 180mm with 4 linear tools facilitating high productivity. Another product is UNITURN 400 HD, a slant bed CNCLathe flexible to meet varied needs of its customers. This machine is capable of machining a wide range of parts of various materials having a diameter up to 200mm and a length of 400mm.

Visitors from various sectors

Subramanian states that most visitors received are predominantly from



Source: Magic Wand Media

“We are displaying our latest Turnmill center, which, in our opinion, is an attraction to customers from various industrial segments looking for finishing their components that call for turning and drilling / milling in one setting.”

K Ganapathi Subramanian
Vice President – Marketing & Sales
Gedee Weiler Pvt Ltd

the Auto components sector but there are a good number of visitors from General Engineering industry like Bearings, Pumps, Fasteners and Medical applications.

“We are displaying our latest Turnmill center, which in our opinion is an attraction to customers from various industrial segments looking for finishing their components that call for turning and drilling / milling in one setting,” he shares.

“Being a leader in precision conventional lathes, we also look forward to receiving customers from tool room, technical institutions, etc.,” he adds summing up.



Gedee Weiler Pvt Ltd
www.gdweiler.com
Hall & Stall: 15 / 416

Source: Magic Wand Media

Tool Breakage Detection Systems

High-Speed Tool Breakage Detector

Marposs S.p.A.'s Tool Breakage Detector (TBD) is a time-saving laser-based solution for tool breakage detection in a machine.

TBD on milling machines and machining centres help to keep the process under control, thanks to a very short tool checking cycle. Fast and reliable detection achieved by the TBD reduces production time and avoids expensive work-pieces scrap due to wrong cutting process by damaged or broken tools. All functionality is contained within the TBD unit compact housing, which can be mounted outside the machine area, saving space on the table. Switching the power to the maximum gets the detector to recognize a tool placed at a longer distance (up to 2 m), with a standard capability to check the breakage. If a smaller tolerance is required, the reduced power can be set obtaining a smaller beam. Furthermore, a user can choose the filtering level of the signal. In fact, during the checking cycle, some coolant drops could interrupt the beam or coolant stuck on the tool could create variation in the signal received. Setting it on “Hi Filter” makes the software of the TBD more restrictive in order to give a more reliable response. On the other hand, choosing “Low Filter” helps it respond in a faster way, as the filter is less severe. It is also possible to choose the appropriate range of spindle speed up to 5,000 rpm.

The new TBD HS

Marposs S.p.A. has recently introduced a new programmable system, TBD High Speed (HS), for non-contact checking hi-speed tools, particularly committed to those applications where there is the need for hi-speed spindles, up to 80,000 rpm. Thanks to its rotary switch selector, the TBD HS is able to recognize the tool in two different ways, depending on the actual rotational speed, thus minimizing cycle times, generally crucial in this kind of process. On selecting “Quick Recognition”, the tool checking is performed for 10,000 rpm spindle speed and its multiples; on the other hand, it is possible to choose “Hybrid Recognition” if the speed is 1,000 rpm and its multiples or 10,000 rpm and its multiples. With a reflective, clean tool an impressive 150 msec checking time is achieved, approximately half the time compared to the standard TBD. High spindle speeds and small tool dimensions lead to the need for a fine adjustment for positioning the TBD HS in a very precise way. Once TBD is installed and the tool approximately pointed, now it is even more quick and simple to optimize the laser beam and find the checking position



MARPOSS INDIA Pvt Ltd
www.marposs.com
Hall & Stall: 14 / 202

Source: MARPOSS INDIA Pvt Ltd

MODERN
MANUFACTURING
INDIA

The Official Magazine of

Indian Machine Tool
Manufacturers' Association

In Association with

EMO
Hannover

India's only Accredited Publication in EMO

MMI @ EMO Hannover 2017

MMI @ EMO Hannover Preview 2019

**Time to
Show
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are
the
Best!**

For Bookings Contact:
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Smart Manufacturing

Endeavoring to Scale

Lakshmi Machine Work's participation in the last DMTX proved to be a huge success. It is back at DMTX 2019 in anticipation of a similar response.

For Indraneel Bhattacharya, Vice President - Sales & Marketing, Lakshmi Machine Works Ltd (LMW), being part of DMTX holds special significance. "North Zone is the biggest market for our range of machine tools," he shares.

The company has been an integral part of the show since its inception and has benefitted immensely. "Our participation in DMTX 2017 was a huge success. We received 120 machine orders," he adds.

Sharing his expectation from DMTX 2019, he says, "Since the region is one of the major hubs for the auto sector, we expect most visitors from the same. About 65 percent of our sales is to the automobile and its allied industries."

Repeating success

With its offerings in high demand from the customers in the Northern region of the country, LMW has to showcase its latest from its comprehensive range.

Bhattacharya informs on the same, "We are displaying the following machine models at the exhibition:

Smart Xprs: Smart turn with automation of pick & place using a gantry; **LTV 50 M:** Vertical Lathe with live tool; **JV105RAPC:** Vertical Machining Center with Rotary Automatic pallet changer (RAPC); **JHM 40:** Horizontal Machining Center."

Knowing SmartXprs

The machine comes with Servo turret for faster indexing and high acceleration and deceleration to reduce non-cutting time (20 percent reduction in cycle time compared to Smartturn). It has high speed, high precision, offering enhanced productivity and quality. Since the system is integrated, it is easier to maintain. It has higher rpm and torque for better material removal and thus higher productivity. It also has a built-in spindle for better accuracy.

With integrated automation, it has a single-stop service solution, lesser loading and unloading time, smaller footprint, and it also avoids human negligence. Since the machine has better



Source: Magic Wand Media

"SmartXprs is a horizontal lathe with integrated automation. It has inbuilt reliable gantry automation for fast component loading and unloading. The Integrated controller for both Machine and Gantry automation enables even a novice to complete the setup reliably and simply. It has a built-in motor spindle with 6,000 rpm."

Indraneel Bhattacharya
Vice President- Sales & Marketing
Lakshmi Machine Works Ltd

acceleration and deceleration time, it has better cylindricity

and ovality. SmartXprs offers higher accuracy, higher Cp and CpK value and thus has high quality with low rejection rate.



Source: Lakshmi Machine Works Ltd



Lakshmi Machine Works Ltd
www.lmwglobal.com
Hall & Stall: 14 / 310

Source: Magic Wand Media



PMT Machines Ltd
www.pmtmachines.com
Hall & Stall No: 14 & 326

Source: PMT Machines Ltd

CNC Grinding Machines

CNC Cylindrical Grinding Machine

The machines cater to industries including machine tools, automotive engineering, aerospace, and job shops etc.

High-precision Cylindrical Grinding machines are useful for grinding small, medium and large-sized workpieces for industries including machine tools, automotive engineering, aerospace, job shops etc. PMT has more than 35 years of experience to manufacture standard and complex grinding machines. The company offers customized solutions according to the workpieces to be ground. The machines come with user-friendly software which eliminates complex programming. Their various other features include fixed or universal wheel head, auto loading with robot or gantry, fixed or rotary dressing units, wheel balancers, in-process gauges, noise monitoring systems, and steady rests depending on the workpiece. To optimize the grinding process, air gap elimination is used to reduce cycle time, and customized grinding cycles in-built in the controller are used to achieve better surface finish. To give wheel compensation, touch values are used to register the grinding wheel. Cone and taper grinding is possible by swivelling the work head. The machines are capable of giving process capability on a given batch of workpieces. More than 1,000 variants of PMT grinding machines are available in the market, with some still in production.

Metrology Solutions

Vantage^s Laser Tracker

With superior accuracy, exceptional portability and outstanding ruggedness, these Laser Trackers from FARO® make large-scale 3D measurement easy.

Intended for short-to-long range measurement applications of up to 80m, the Vantage^s Laser Tracker offers innovation in usability and a new, high-performance standard for laser trackers in large-scale precision measurement. The compact Vantage^s Laser Tracker offers industry-leading portability with an integrated master control unit (MCU), hot swappable batteries that eliminate the need for AC power and cabling, and industrial grade Wi-Fi for reliable, wireless communications. This set of advanced features, along with a single carrying case, enables easy transport between job sites, as well as locations within the factory by a single user. Featuring FARO's ActiveSeek™, the Vantage^s is able to quickly locate and lock onto a target — allowing the device to follow a moving target, even behind obstacles, and lock onto the target again when it is stable. The Vantage^s also includes FARO's unique RemoteControls™ workflow, which allows users to control functions such as live video feed and tracker movements with a mobile phone or tablet, thus increasing mobility and ease of use. Together, these features aid users in maximizing productivity and reducing inspection cycle times by 50-75 percent. In addition, FARO's patented Super 6DoF (Degrees of Freedom) TrackArm solution enables the Vantage^s to work with a FARO ScanArm®, or multiple ScanArms, to create an integrated 3D measurement solution across a single coordinate system. With the Super 6DoF, line-of-sight challenges are eliminated and measurement range is significantly expanded while maintaining superior accuracy with two instruments-in-one operation, making the Vantage^s Laser Tracker the go-to option for a variety of demanding factory metrology applications.



Source: Faro Business Technologies India Pvt Ltd

Faro Business Technologies India Pvt Ltd
https://www.faro.com/en-in/
Hall & Stall: 14 / 201

Workholding, Fastening and Lifting solutions

Fasten On

Jergens India Pvt Ltd, a wholly-owned subsidiary of Jergens Inc., showcases its latest offerings at DMTX 2019.

Jergens offers different types of quick-change mechanisms, both manual and pressure operated. Its Ball Lock Mounting System is a manual changeover mechanism which repeats in +/- 13 microns. Ball lock mechanism is recognized as one of the finest ways of making manual changeover, and can reduce setup time by 80 percent. The system is fast and accurate. It deskills the operation and exerts less fatigue on the operator. Quick-Loc pallets provide fast and repeatable fixture changes for small tooling platforms and offer a repeatability of 8 microns. The system offers fixturing solutions for horizontal, vertical and rotary operations.

Zero Point System (ZPS) is a revolutionary technology that repeats within 5 microns and cuts setup time by up to 90 percent by combining fixing, positioning and clamping in a single operation. Its

Lifting Solutions include a wide range of Hoist Rings that swivel by 360 degree and pivot by 180 degree. The newly launched Jergens Lift-Check Hoist Rings comprise a proprietary hex head cap screw which integrates the Visual Tension Indicator. These CE certified Hoist Rings conform to ANSI/ASME B30.26 standards, and are tested to 200 percent rated load capacity with strength factor 5:1.

Jergens also offers innovative fastening products like Kwik-Lok pins, Key Locking Threaded Inserts.



Jergens India Pvt Ltd
www.jergensindia.com
Hall & Stall: 14 / 110

Source: Jergens India Pvt Ltd

CNC Machining Centers

BX Series from Hurco

These are high-speed, double-column bridge design machining centers for high-precision die and mould segment.

BX40i, BX50i and BX60i models come under the series with machine size ranging from 1000mm x 700mm; 1300mm x 900mm; and 1600mm x 1300mm. Their double-column and the ladder structure provide the machines the best structural rigidity. The sizes offer a bigger Y axis stroke, which is an advantage in the machining of multi-cavity and square moulds. A high rpm Spindle with 119Nm of torque gives one a freehand to machine a job from roughing to finishing in one setup.

Features of BX40i:

- The machine comes with a unique size of 1000mm x 700mm with KY HSK A-63 spindle that allows to machine square moulds;
- The machine bed, table, column, beam and other main casting parts are made of Meehanite Grade cast iron and the stress is released by heat treatment;
- Columns and beams are made of one-piece casting;
- Ball screws have a close pitch of 12mm;
- Hurco WINMAX CNC Controller enables the end user to reduce the end-to-end processing time for any part that needs to be machined;
- Ultimotion software offers superior motion and jerk control. It enables high-speed machining with exceptional control of acceleration and deceleration of the machine slides, resulting in reduced machining time, and increased surface finish and accuracy;
- Axes Motors with high torque and thrust enable efficient cutting while using the superior spindle power.

Hurco India Pvt Ltd
www.hurco.com
Hall & Stall: 15 / 408



Source: Hurco India Pvt Ltd



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And many more to come....



IMTMA Technology Centre
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For further details and registration, please contact :

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Industry Voice



Source: Mags Wand Media

“ This time the venue for the exhibition has been an excellent choice. Although it takes us more time to reach here, it is highly convenient for parking. Our customer base is SMEs and they are making it to the venue. Also, the show's arrangement is impeccable. As far as the technology spread is concerned, it's comprehensive as ever. For the first day, footfalls are relatively high. ”

Vivek Sharma
Managing Director
Batliboi Ltd



Source: Mags Wand Media

“ This is our second time at DMTX. We had a great experience in the last edition of the show which motivated us to again be part of it. This is the first day of the present edition yet the footfalls are high. The region being one of the major manufacturing hubs, many technology seekers have already approached us. For the first day, visitor turnout is higher than what we expected. We hope this keeps getting better in the days to follow. In terms of exhibition arrangement, the organizers have done a brilliant job. ”

AV Srinivasan
CEO
Meiban Engineering
Technologies Pvt Ltd



Source: Mags Wand Media

“ This is our first time at DMTX. So far, we have had satisfactory footfalls. Along with great turnout, they have been quality visitors. We have been receiving a good number of enquiries, which is good to begin with. Overall, it's a platform one would want to participate in to display one's innovative offerings. ”

SB Prasad
Director
Adarsh CNC Services Pvt Ltd



Source: Mags Wand Media

“ We supply a complete hydraulic range, special purpose machines and electrochemical machines. We are also developing automation products for the next generation. We have participated in DMTX mainly to gain exposure to the North Indian market. We look to connect with relevant manufacturing companies of the region through this IMTMA's exhibition. We are already getting satisfactory footfalls from Noida, and hope to get a better number of visitors from the Gurgaon cluster too in the coming days. ”

Meetal Mukherjee
Director
HYDAX Hydraulics Pvt Ltd

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