

IMTEX 2015

17th Indian Metal-Cutting Machine Tool Exhibition with International participation

Tooltech 2015

17th International Exhibition of Cutting Tools, Tooling Systems, Machine Tool Accessories, Metrology & CAD / CAM

22 - 28 January 2015, Bangalore



Indian Machine Tool Manufacturers' Association
www.imtma.in

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IMTEX FORMING 2014
International Forming Technology Exhibition

Tooltech 2014
International Exhibition of Dies & Moulds, Forming Tools,
Machine Accessories, Metrology and CAD / CAM

23 - 28 January 2014, BIEC

RETROSPECT



Indian Machine Tool Manufacturers' Association
www.imtma.in

Venue
BIEC Bangalore International Exhibition Centre

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Approved Event



MAKING IT HAPPEN

Stepping into the 45th year of celebration, 'IMTEX FORMING 2014' – the International show on forming technology and 'Tooltech 2014' - International exhibition of Dies & Moulds, Forming tools, Machine accessories, Metrology & CAD/CAM were held at Bangalore International Exhibition Centre from 23 - 28 January 2014.

The wide display of technological manifestations elevated the bar of expectations and strengthened the competitiveness of India to be considered among the most preferred destinations for joint ventures, investments and other business proposals.

The exhibition catered to 440 exhibitors who displayed over 500 machines in an exhibition area of 30,000 sq.mts. in three large halls. 198 overseas companies and 242 Indian companies actively participated in the expo despite challenging global business scenario. The participation, apart from India, came from 24 countries including 4 group participations from China, Germany, Czech Republic and Taiwan. The show was visited by close to 45,000 visitors during the 6 days event at BIEC.

The event not only catered to the business needs of national and international exhibitors but also honoured the veterans of the industry.

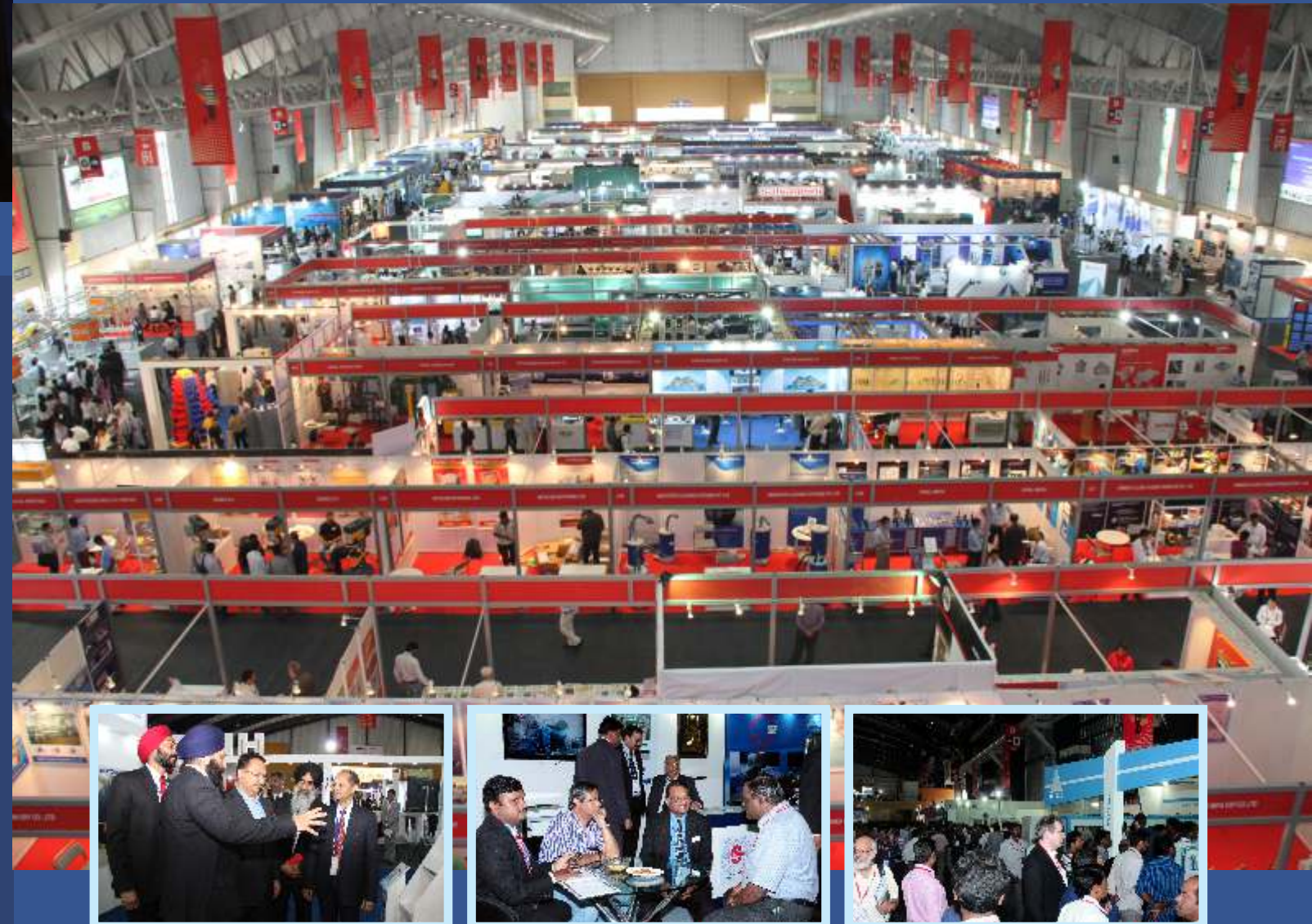
The exhibition witnessed many decision makers and business heads from across the spectrum of Indian Metal Working Industry. It recorded confirmed business orders to the tune of INR 405 Crores and generated a high potential of business enquiries to the tune of INR 4,187 Crores. The booked orders have shown an increase of 4% from previous exhibition whereas the generated enquiries have increased by 52%.

With the latest and high grade innovations displayed in the halls, the show was a visual treat to the young engineers visiting the venue as part of the students' initiative of IMTMA.

Once brought under one roof, the industry spurred into a virtual setup for business dealing, Joint ventures, new product launches and technology upgrade.



From right to left : Mr. Vikram Kirloskar, President, SIAM; Mr. V. Anbu, Secretary & Director General IMTMA; Mr. Jamshyd N. Godrej, Chairman Exhibitions, BIEC; Mr. P. G. Jadeja, Vice president IMTMA and Mr. L. Krishnan, President - IMTMA.



SYNOPSIS

- SIX DAYS : 23-28 JANUARY 2014
- 45,000 BUSINESS VISITORS
- 24 COUNTRIES PARTICIPATION
- 30,000 SQ. MTRS. EXHIBITION AREA
- 440 EXHIBITOR COMPANIES
- Over 500 MACHINES DISPLAYED
- 405 CRORES INR WORTH OF ORDERS
- 4,187 CRORES INR WORTH OF ENQUIRIES
- ONE WORLD CLASS EXHIBITION VENUE - BIEC





AWARDS

The Inaugural session witnessed the presentation of two prestigious awards. The 5th 'IMTMA-Premier Outstanding Entrepreneur Award' was presented to Chairman, ISGEC Heavy Engineering Ltd., Mr. Ranjit Puri, for his outstanding contributions and achievements in the metal forming industry. IMTMA President's Award was presented to Mr. Abhijit Mukherjee, Former Executive Director, IMTMA & CEO, BIEC, in recognition of his extraordinary leadership of IMTMA and for setting up the BIEC.



From right to left : Mr. Vikram Kirloskar, President, SIAM; Mr. V. Anbu, Secretary & Director General IMTMA; Mr. Jamshyd N. Godrej, Chairman Exhibitions, BIEC; Mr. P. G. Jadeja, Vice president IMTMA and Mr. L. Krishnan, President – IMTMA.



Accepting the IMTMA President's Award, Mr. Mukherjee said, "It was a great privilege to be associated with IMTMA for over two decades."

While expressing his sincere thanks to IMTMA for conferring the IMTMA-Premier Outstanding Entrepreneur Award', Mr. Ranjit Puri said, "Competition is the key driving force for attaining success and moving ahead in the right direction; until and unless one sees the threat from competition, one is not motivated enough to go the extra mile to reach the top position."



INAUGURATION

The exclusive forming exhibition was inaugurated on 23rd January, 2014 by lighting the ceremonial lamp in the presence of Mr. Vikram Kirloskar, President, SIAM; Mr. Jamshyd N. Godrej, Chairman Exhibitions, BIEC; Mr. L. Krishnan, President – IMTMA and Mr. P. G. Jadeja, Vice president IMTMA.

Mr. Vikram Kirloskar addressed the audience on the occasion, "The machine tool industry plays an important and impartial role, catering to the need of both, small and large automakers alike. The backbone of many major sectors of industrial activity in India, in the traditional manufacturing context, the machine tool industry in India has played and will continue to play a key role in enhancing competitiveness and enabling development of quality and excellence in the output of the manufacturing industry". Talking about IMTEX FORMING 2014, Mr. Jamshyd N. Godrej, said, "The exhibition is a manifestation of cost effective alternatives to conventional metal working solutions. The machine tool industry needs to continuously innovate, upgrade and invest in technology." Mr. L. Krishnan, added, "Exhibitions like this will certainly stimulate the demand for metal forming equipments in the country and thus help the industry grow."

The inauguration was followed by a ribbon cutting ceremony at the Exhibition Hall, which opened the doors to the IMTEX FORMING 2014 & Tooltech 2014.



Ribbon Cutting



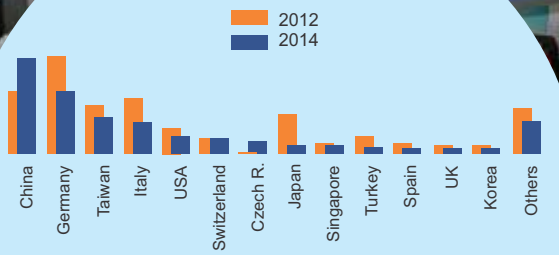
Release of 2014 Exhibitor Catalogue

EXHIBITOR'S NETWORKING EVENING



Exhibitor networking evening witnessed performance from - Prince Dance Group'

Country-wise Participation



EXHIBITOR ANALYSIS

| Category | Count |
|--|------------|
| Presses | 154 |
| Sheet metal cutting machines | 107 |
| Sheet metal forming machines | 88 |
| Bar, Section and Tube working machines | 66 |
| Sheet metal blanking, Punching machines | 54 |
| Joining & Welding | 41 |
| Presses for special applications | 29 |
| Forming Tools | 29 |
| Cutting Tools | 26 |
| Forging | 22 |
| Feeding Systems | 21 |
| Abrasive and Polishing Tools | 20 |
| Tooling Systems | 18 |
| Attachments, Accessories & Sub-systems | 13 |
| Robotics & Manufacturing Automation | 12 |
| Specialised Metal Forming Processes & Machines | 11 |
| Measuring, Inspection & Quality Control | 11 |
| Sheet metal working cells and systems | 11 |
| Hydraulic and Pneumatic Systems and Elements | 11 |
| Work holding | 10 |
| Rolling | 9 |
| Lubrication & Coolant | 9 |
| Hydro forming | 8 |
| Welding Material & Accessories | 8 |
| Heat Treatment & Hardening | 8 |
| Casting & Foundry | 7 |
| Machines for producing Bolts, Nuts, Screws, Rivets | 7 |
| Mechanical Elements and Components | 6 |
| Extrusion | 6 |
| Wire forming machines | 5 |
| Testing Machines | 5 |
| Controls, Drives and Systems | 5 |
| Services | 5 |
| Metal spinning and flow forming | 4 |
| Dies & Moulds | 4 |
| Others | 14 |
| Grand Total | 864 |

Country-wise Participation

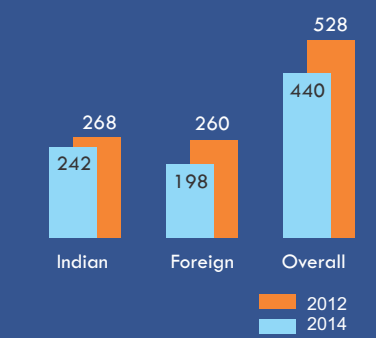
| Country | 2012 | 2014 |
|----------------|-----------|-----------|
| China | 36 | 55 |
| Germany | 56 | 36 |
| Taiwan | 28 | 21 |
| Italy | 32 | 18 |
| USA | 15 | 10 |
| Switzerland | 9 | 9 |
| Czech Republic | 1 | 7 |
| Japan | 23 | 5 |
| Singapore | 6 | 5 |
| Turkey | 10 | 4 |
| Spain | 6 | 3 |
| UK | 5 | 3 |
| Korea | 5 | 3 |
| Others | 26 | 19 |

Indian/Overseas Participation

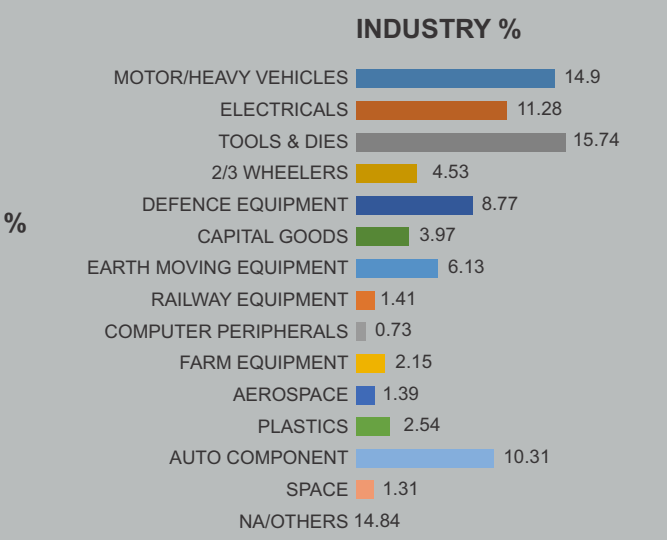
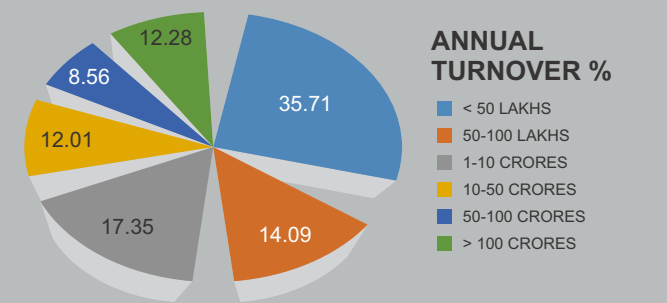
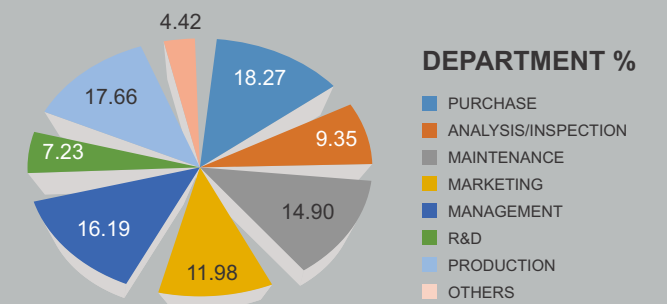
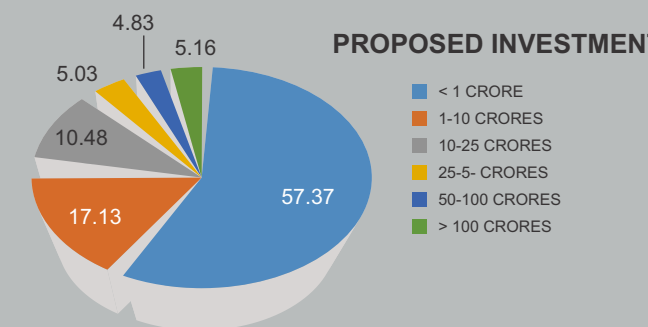
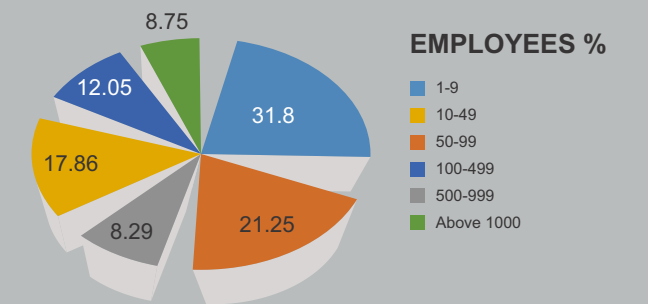
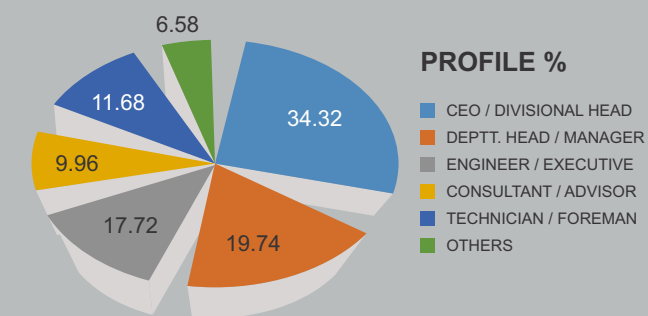
| Category | 2012 | 2014 |
|-----------------------|------|------|
| IMTEX- Participants | 2012 | 2014 |
| Indian-Participants | 268 | 242 |
| Foreign-Participants | 260 | 198 |
| Over All Participants | 528 | 440 |

Direct/In-Direct Participation

| | | |
|------------------------|-----|-----|
| Direct Participation | 356 | 344 |
| Indirect Participation | 173 | 96 |



VISITOR ANALYSIS





INTERNATIONAL SEMINAR ON FORMING TECHNOLOGY - ISFT

Expertise, innovations, technology, trends and everything related to the field of forming technology was buzzing at International Seminar on Forming Technology (ISFT) organized by Indian Machine Tool Manufacturers' Association (IMTMA) on 22 January 2014 at BIEC, Bangalore.

The seminar was divided into three concurrent sessions under three broad subjects: Processes, Emerging Technologies and New Materials, Tooling & Design.

The seminar brought together 18 National and International speakers from across the globe representing renowned companies like – Altair, BLM Group, Data M. Sheet Metal Solutions GmbH, Dreistern GmbH, Electropneumatics & Hydraulics, Fraunhofer IPT, GE Global Research, Godrej & Boyce, IIT- Bombay, Indian Institute of Science (IISc), Novelis Inc., Rise-Es Inc., Safan Darley BV, Stratasys, Tata Motors, Yamazaki Mazak India Pvt. Ltd. The keynote address on 'Overview and the latest developments in Forming technology' by Dr. Andreas Sterzing and Mr. Peter Blau, Fraunhofer IWU, Chemnitz, Germany, set the mood for the seminar.

ISFT brought together the fraternity of forming technology on to a common platform. Latest trends, developments and research works in forming industry in India and globally were well reflected at the seminar which received an overwhelming response from about 400 delegates.

The B2B session provided an opportunity for users and providers of technology, machinery and processes to meet in an informal setting where they discussed applications, commercial issues, joint ventures, technology transfers and collaborations amongst other relevant topics.



Delegation from Czech Republic at Czech Pavilion

VISITING DELEGATIONS

IMTEX Forming 2014 reflected the ground reality of the Forming industry with extensive trade related discussions and networking.

Key domestic delegations from Automotive Component Manufacturers Association (ACMA), BHEL, BEL, COFMOW (Ministry of Railways), ISRO, NAL, GTTC, Government Tool Room & Training Centre, Ordnance Factory Board, Mazagon Docks, DRDL, Tractors Manufacturers' Association, Integral Coach factory, HAL and National Aerospace Lab visited the show in the span of 6 days.

International delegations from Czech Republic and Namibia also visited the show on the 2nd and 4th day respectively. The delegation of Czech Republic came with a clear agenda of attracting investment from Indian companies in their country through Czech organizations.

The Namibian delegation was interested in studying how a developing nation can transform from a developing nation that is dependent on primary sector to one that plays a meaningful role in manufacturing and value added processes and assessing global markets with competitive commodities.



INTERACTIONS AT IMTMA TECHNOLOGY CENTRE

Many delegations visiting IMTEX Forming 2014 also took time to visit IMTMA Technology centre and interacted with faculty and students. The visitors included Dr. Kiyonori Inaba, Executive Vice President, FANUC Corporation, Japan and Ms. Sonali Kulkarni, President, Fanuc India; Dr. Vishwas R. Puttige, Ace Manufacturing Systems; Mr. Anup Verma, Managing Director, Hexagon Metrology; Mr. Soumitra Joshi, MD, Trumpf India; Dr. Albert Seidlmaier, MD, Data M. Sheet Metal solutions, Germany.

Dr. Inaba from FANUC - Japan interacting at IMTMA Technology Centre



EXPRESSIONS

- Excellent show. New products and great innovations. All the best for the future. - Vikram Kirloskar, President - SIAM*
- Excellent, well managed exhibition that adds value to the academic achievements India has clearly demonstrated. - Calle Schlettwein, Hon. Minister of Trade & Industry, Namibia*
- It is good to see the machine tool industry evolving in last few years. IMTMA is doing an excellent job. Good wishes for future. - M. K. Jain, Member, Ordnance Factory Board, Kolkata*
- Well organized with very good interactions. Hospitality is taken care of. Tooltech is very impressive. Activity wise grouping would give better perception. - Guru Murthy T., Joint Director, CMTI, Bangalore*
- IMTMA crosses milestones every year. We think that it cannot get any better, but every time IMTEX surpasses itself. - Ranjit Puri, Chairman, ISGEC Heavy Engineering*
- Very well organized set up and excellent arrangements. Very innovative and new technologies seen. - Vikram S. Kacher, Head of Operations & Supply Chain, Hero Moto Corp Ltd.*
- Nice arrangement. Lot to pick up for quality and productivity improvements. - Ajay Kumar, Chief Mechanical Engineer, Diesel Loco Modernisation Works, Patiala*
- Great job done by team IMTMA. Well organized exhibition. New technologies under one roof. Very good experience. - Rakesh Ghag, Senior Manager, Godrej Tooling Division, Mumbai*
- Quite interesting display from major players in fabrication forming technology. New machines, methods and practical displays are very informative. Very good. - Vipin Goel, New Holland Fiat India, Noida*
- A good opportunity to visit the latest developments in the machine tool and tooling industry. These developments will provide us opportunity to upgrade our production process to reduce the cost and quality of products. - A. K. Verma, AGM, BHEL, New Delhi*



IMPRESSIONS...

JAGRUTI IMTMA YOUTH INITIATIVE



To familiarize engineering students with the machine tool industry and the technological happenings in this industry segment, the Association organized the sixth "JAGRUTI – IMTMA Youth Programme", with support from "UDAAN" members. This unique initiative was organized during IMTEX FORMING and Tooltech 2014 on 24 - 25 January 2014 at Bangalore International Exhibition Centre (BIEC).

The programme was attended by 35 mechanical engineering students representing 17 engineering institutions, from all across India. It comprised a comprehensive guided tour of IMTEX FORMING 2014 and Tooltech 2014. The students also had an opportunity to visit 'IMTMA Productivity Institute' as well as 'IMTMA Design Institute'.

Unique aspect about this Jagruti programme was an exposure to actual shop-floor operations in a manufacturing set-up, through 'live' demos at the state-of-the-art facility of Ace Manufacturing Systems Limited.

The Academia pavilion at IMTEX Forming 2014 showcased best projects and research work from 24 institutions including one from United Kingdom.

Collaboration between industry and academia offers mutual benefits as it facilitates innovation in industry and at the same time ensures industrial relevance in academic research. Initiated in 2011, IMTMA invites prestigious institutions that have done commendable work in the area of research and development to participate in the IMTEX Academia Pavilion.

Awards and cash prizes for the best project and research initiatives were announced on January 27, 2014. 1st prize was bagged by Treelabs (IIT - Bombay); 2nd prize went to R. V. College of Engineering, Bangalore; and the 3rd prize was bagged by Amrita Vishwa Vidyapeetham, Kollam. The consolation prizes went to NCAIR (IIT - Bombay) and NMAM Institute of Technology, Karnataka.

ACADEMIA PAVILION



Students from various Engineering Colleges and ITIs had an informative IMTEX as many institutions from various cities have made IMTEX a mandatory outing for their students.