

BRIEF REPORT ON SEMINAR ON ALUMINIUM DIE CASTINGS

Indian Institute of Metals - Delhi Chapter organised a one day Seminar on 'Aluminium Die Casting' at our premises on 19 March 2016:

At the outset, Shri B D Jethra Past-Chairman Delhi Chapter, welcomed the participants in the programme. He gave an overview about the activities of Indian Institute of Metals, in general, and for Delhi Chapter, in particular.



Thereafter, Mr. Rahul Khanna, member IIM-DC Executive Committee introduced the Chief Guest – **Dr.A.K.Gupta**, *Chief Executive Officer, Rockman Industries Ltd.* He also introduced the Guest of Honour – **Sh. D.C.Sharma**, *Plant Head Super Alloy Castings.*



Five eminent Speakers from Aluminium Die Casting Industry made their Presentations on the Subject

Mr. Sam from *Guangdong Yizumi Precision Machinery Co. Ltd., China*, in his presentation highlighted various activities & capabilities of YIZUMI and focussed on ***Yizumi New***



Series Machine Improvements. He touched upon their unique development of H Series machines, Close Loop designs, Servo motor technology and Automation Cells. He emphasised on machine safety, reliability and efficiency aspects of Die Casting Machines.



Mr. Manish Garg from *Digital Design Solutions Gurgaon*, in his presentation highlighted various activities & capabilities of DIGITAL DESIGN SOLUTIONS and focussed on **Process Solutions for Tooling Industry**. He emphasised on greater innovation pressure on suppliers owing to global fuel economy and emission regulations drive. He focussed on their capability for providing complete solutions for their clients in areas of Production design, styling, tool design, forging, PLM,



CAM, Simulation, mold tooling, sheet metal and technical documentation.



Mr. Sendil Kumar K from *Kaushiks International Bangalore*, in his



presentation focussed on ***Productivity Improvement in High Pressure Die Casting Industry.*** He emphasised that productivity improvement can be achieved by implementing latest technologies and smaller supporting equipment. He highlighted the salient features of U20 & CX25F2 (from Hishinuma Machinery), Gravity Casting tilt pour Machines (from CMH Manufacturing USA) and Water-free Electrostatic Spray Technology for high pressure die-casting (from Aoki Science Institute Japan.

Mr. Devendra from *Future Design Engineers, New Delhi*, made a presentation on ***Robotics*** on behalf of his colleague **Mr. Laxman Ram Sharma**. Mr. Devendra highlighted the requirements of robotics in Industry, recent trends & types, automation principles and strategies. He also focussed on Robotics and Automation in Foundry Industry.

Dr. Shamik Baranwal from *AdviZ Consulting &*



Solutions Pvt. Ltd. Gurgaon made a presentation on ***Utilisation of Solar Energy in Industries.*** He highlighted the usage of Solar Energy in drying Agricultural products, Water & Space heating and Generation of electrical energy. He emphasised the importance of Site Selection, Soil testing, Civil works & Infrastructure preparation, Load Survey & Shade analysis, Structures, Installations, Battery and Weather Monitoring System in the entire Project work. **Mr. Ankit Agrawal** from *Boond Engineering and Development Ltd. New Delhi*, presented some interesting details of various installed projects, viz. Milk collection and testing chain at Unnao UP, Lights for Education in schools, 150 kW Solar system at Delhi Metro station at Badkal Morh Faridabad, 40 kW Solar system at Jesus & Mary College Chanakyapuri Delhi, 55 kW Solar system at Palwal Haryana, etc.

During each presentation, there were lively question



and answers interactions with the audience.

Mr.D.C.Sharma, Guest of Honour spoke about his experiences in Die-casting Industry over a long period of time.

Dr.A.K.Gupta, Chief Guest focussed on Innovative practices in his address.

About 80 persons participated in the programme, including students from Academic Institutes.



At the end, Dr. A. K. Gupta, Dr. D.C Sharma and all Presenters were honoured with mementoes by Sh. B.D.Jethra on behalf of the Chapter.

The programme concluded with lunch.

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