



Aluminium Extrusions Expo

3-5 December 2010
Hall No. 18, Pragati Maidan, New Delhi

POST SHOW

The 2nd Edition of Zak Aluminium Extrusions Expo 2010 concluded successfully at Pragati Maidan, New Delhi. Organised by Zak Trade Fairs & Exhibitions Pvt. Ltd.

The event was held from 3rd December to 5th December 2010 and has 18,191 registered trade visitors.

The expo was inaugurated by 101 prominent architects, illuminating the beginning of the three-day trade platform of products, services & solutions of a large number of first class exhibitors. The exhibition indeed served as a great forum for the industry development and was an important place for business people from fabrication, construction, and large-scale industries to procure and select products they need.

The show grew thrice the size of its inaugural edition which was held in Mumbai in December 2009

with nearly 60 participants from 7 different countries. With the wide usage of aluminium extrusions in various industries, this show is poised to become bigger in the coming editions.

Apart from extruders, the show had various other participants displaying technology on dies, anodizing, powder coatings, presses, etc.

The exhibition was strengthened by two specific components: the 'pre exhibition road show'-which involved the propagation of aluminium technologies in three different cities, prior to the expo and 'international seminar' on emerging trends in aluminium packaging was touched upon. Both these components were key ingredients to the widespread proliferation of this unique forum and to the successful response, which was received by the exhibitors in the forum.

The companies that exhibited had come with bundles of optimism and a wealth of innovations, and

their expectations were indeed fully met. The expo offered an excellent opportunity to conquer a wide variety of sectors.

The exhibitors received a great number of interested trade visitors, new business contacts and promising enquiries from different institutions in the industry.

The presenting sponsor for the expo was, Boruka Aluminium – a market leader in the aluminium extrusions space and has grown significantly across the country and globally, displaying their ongoing commitment to offer the Indian market with their turn key solutions.

The trade platform was visited by leading professionals from building-construction, industrial, transportation, electrical, electronics, solar, defense and aviation industries.

The 2nd edition of the Aluminium Extrusions expo witnessed healthy participation by industry leaders from China, Italy and UAE.

The visitors witnessed the latest technology, products and solutions that would be greatly beneficial for the growth of the aluminium industry in India.

The concurrent events included 8th Zak Glass Technology International Expo, 7th Zak Doors & Windows Expo and 1st Zak Innovations International Expo ensured that the synergies between the shows are mutually beneficial to each other.



ALEX 2011



The Fourth Technical Conference ALEX 2011 on "Aluminium Extrusion Technology" was organized by Aluminium Extruders' Council (ALEX), in Pune Marriott Hotel & Convention Centre, Pune on 29th & 30th January 2011. The conference was well attended by about 80 delegates from about 40 companies including 5 international participants. There was a very good support from companies like Hindalco, SMS Meer, Chemetall Rai and Many others.

The conference was inaugurated by R. S. Kambali, Jt. General Manager Ordnance Factory,

Ambazari, Nagpur. His speech was well received by the appreciative audience. The technical volume was released by A. Jayagopal, SBU Head – Extrusion, Hindalco Industries Ltd., during the inaugural function.

The conference was started with a Keynote Speech by A. Jayagopal. This was very informative and thought provoking for the participants, especially as it provided direction to extruders for future.

The Keynote was followed by 16 technical presentations, covering various subjects such as Hot Die Steels, Die Technology, Simulation Studies, Melting & Casting of Billets, Heavy Duty Extrusion

Presses for Large Profiles, ERP Solutions for Extrusion Industry, Maintenance, Instrumentation and Surface Treatments, by experts from various companies. All the presentations were well attended to and were quite interactive.

There was a panel discussion on "Applications of Aluminium Extrusions" where in distinguished experts like Jivan Khosla, Apple Inc. USA, R. R. Parulekar-Hindalco Industries Ltd., Subhash Sahu-Alutec and N. S. Parulekar- Consultant enlightened the audience on various new and upcoming applications of extrusions. This proved to be an important discussion providing new inputs to extrusion companies. This panel discussion was led by Gopal Pai, Chairman & Managing Director – Salco Extrusions (P) Ltd. The conference was concluded with a Valedictory Function where Vishwas Kulkarni, a renowned architect elaborated his views for Aluminium Extrusion. Knowing the Architects' viewpoint on Aluminium Sections was quite beneficial to the delegates.

There was a small exhibition which was also well appreciated by the delegates. Many expressed that we should plan for a bigger exhibitions in future. Overall, ALEX 2011 was a good success and proved to be a rewarding experience to most of the participants during the two-day Conference and Exhibition.



M&MT 2011: World-Class Materials and Manufacturing Technologies

M&MT 2011-World-Class Materials and Manufacturing Technologies, a mega event organized by the American Society for Materials (ASM) International, Pune Chapter is scheduled from the 8-10, March, 2011 at the Bombay Exhibition Centre, Goregaon, Mumbai, India. The event is managed by Arkey Conference Service Cell (ACSC), Pune.



Highlights of the event:

- The Exhibition is spread over a sprawling area of around 1200 sq.mtrs with 55 stalls.
- About 3000 plus visitors are expected to visit the Event.
- Twelve Topics are to be covered at the conference.
- Three parallel sessions will be conducted
- Approx. 500 delegates will participate in the conference
- Countries spanning the globe like USA, UK, France, Sweden, Germany, Japan, Italy, Canada, Switzerland will be a part of this event
- Industry – Institute – Student Meet is planned on 9th & 10th March 2011 to provide an opportunity to Industry & R&D organisations to spot suitable candidates.

• Material scientists, application engineers, technical decision makers, academicians, R&D organizations and research institutes will be benefitted

• Industry sectors like the Automotive, Aerospace & Aircraft, Railway & Transport, Defence, Polymer, Energy/Nuclear & Ceramics will derive an advantage

Chief Guest:

• Srikumar Banerjee, Secretary, Department of Atomic Energy, Government of India & Chairman Atomic Energy Commission

• Guest of Honour : Dr. V.K. Saraswat Scientific Advisor to Raksha Mantri, Secretary and Director General DRDO

• Chief Guest for Inauguration of the Exhibition: M.V.Kotwal, Member of the L&T Board & President-Heavy Engineering, Larsen & Toubro

• Valedictory Function : R.S Hastak, Director Naval Material Research Laboratory

Technical Papers:

• Approximate papers planned for presentation 95

• International papers from institutes 3 and industry 28

• Papers from Indian Institutes 53 and Industry 66

Plenary Speakers (3)

• Mr. Dinesh Keskar for Aero from Boeing International Corporation India Pvt Ltd.

• Mr. Pramod Dev for Energy from Central Electric Regulation Commission (CERC)

• Dr. Baldev Raj for Advanced Metal Processes from Indira Gandhi Centre for Atomic Research (IGCAR)

Keynote Speakers

• Dr. Olle Wijk - Sandvik Sweden – (Special Steels)

• Dr. A.R Upadhyya - NAL- Materials for (Aircraft & Aerospace and Turbines)

• Dr S.B. Ogale - Deputy Director NCL (Ceramics)

• Prof. M.C.Dwivedi Ex- IIT Bombay (Tribological Materials)

• Dr. B.K.Dutta – BARC Mumbai (Simulation)

• Dr. Arun Kumar - GM R&D (Auto)

• Dr. Tapan Chakrabarti - Director NEERI (Environment)

• Dr. Malakondaiah, Director DMRL (Testing & Characterisation)

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Aluminium's strength, low density, corrosion resistance and design flexibility make it the ideal material for building applications. The construction sector in India is projected to emerge as the largest end use sector for Aluminium. The overall consumption by the sector is estimated to grow at a CAGR of 18-20 percent, to exceed 1700 kt by 2020. This sector holds ample promises for the future of Aluminium in India.

Aluminium Being Green Metal and an effective substitute to wood and also being corrosion-resistant competes with steel, which requires periodical maintenance. Aluminium is leading the way into the future of the construction industry. The light weight, high strength, and durability of aluminum alloys make aluminum attractive for building and construction. Aluminum could be a critical alternative building material. Aluminum is cost-effective because it requires less maintenance and painting than traditional materials. Aluminium is considered to be much safer than PVC window and doors and more over easily recyclable qualifying as sustainable and therefore branded as green metal.

Metallic aluminium in "massive" form will not



Seminar on Aluminium in Building and Construction 11th March 2011 at Mayfair Banquet, Mumbai

burn. Further, its relatively low melting point (660°C) means it will "vent" early during a severe fire, releasing heat and thereby saving lives and property.

Aluminum used in the building and construction industry contain a high percentage of both post-consumer and post-industrial recycled content, at the end of its long, useful life in your building application it is 100 percent recyclable. Aluminum building components can be repeatedly recycled back into similar products with no loss of quality, and aluminum in its various forms provides the most valuable component for most municipal recycling efforts.

To produce aluminum from recycled material requires only ~5% of the energy required to produce aluminum from bauxite ore, and every ton of recycled

aluminum saves 4 tons of bauxite. Additionally, using recycled aluminum instead of raw materials reduces air pollution generation such as CO₂, SO_x, and NO_x by 95 percent and water pollution by 97 percent.

India's domestic aluminium consumption tripled between 2002 - 2009 from 0.5Mt to 1.4Mt – a CAGR growth of 12%. The industry has been closely following the robust growth in demand by increasing domestic capacity at a

CAGR of 10 percent from 0.75Mt to 1.32Mt in the same period.

Domestic production also increased at a CAGR of 11 percent from 0.6Mt to 1.5Mt. Between 2009 and 2014, however, demand is expected to grow at a CAGR 9.5 percent to 2Mt driven by the construction and automotive sectors, which are each likely to grow at a CAGR of 10 percent during the same period.

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