

GLOBAL ROTOMOULDING ROTATES MUMBAI

Quality spoke emphatically, and participation was Global. Thirty-five percent attendees came from other parts of the world and fifty five percent of all attendees were moulders. The StAR Rotomoulding Conference in Mumbai from Jan 23 to 25, 2011 raised the bar for exceptional success of a conference. The ability of the programme to string together the package of Presentations, Seminars and Workshops through the thread of Growth Opportunities was the Key to this success. Appropriately interspersed were social events like the Networking Dinner on the opening evening of the conference and Gala Dinner on Day 2.

The poolside ambience of the Networking Dinner made it an evening to remember with all the right conditions for networking.

The Gala Dinner along with the lively Entertainment programme and Awards presentation was a delightful experience for the participants, away from the serious sessions of the conference. The presence of the doyen of the Indian rotomoulding industry Mr. K P Nanavaty who was honoured by StAR with the " Industry Titan Award " for outstanding service to the Industry was a highlight of the evening

Governing Body meetings of StAR on Jan 22 & 25 and presentation of its Annual report made the conference a many sided affair. Mumbai's pleasant weather and the salubrious environs of the majestic Leela Kempinski hotel proved most conducive to a great experience of Learning, Networking & Comaraderie.

High economic growth in India, and consequently the new Opportunities they have spawned have become the cynosure of the world. The Conference Theme of ROTATE MUMBAI FOR GROWTH & OPPORTUNITIES was most apt. Only a brief day to day recap of the sessions of the conference will do Justice to gauge the quality and content of the conference.



The Poolside Networking Dinner



StAR honours Mr Nanavaty with Industry Titan award



Principal Sponsor Felicitation to RIL



Platinum Sponsor felicitation to Reinhardt



Gold Sponsor felicitation to Sintex



STAR Founding Chairman, Vice President, Past Presidents & Staff

Day 1 (Jan 23)

Two simultaneous full day Seminars were held, of which attendees could attend any one.

Gary Lategan of Rotosolutions South Africa conducted the Seminar on **Introduction to In-process Rotational Foam Moulding**. Considered were the Material, Mould and Method aspects of the following foaming methods :

- Drop-box foaming
- Fill port foaming
- One-step pallet foaming
- Foam- bag foaming

Comparative analysis of the different methods provided interesting insights.

Angus McDonald of Trymak Australia conducted the Seminar on **Practical Designing for Rotomoulding** Considered in depth were:

- Introduction & Production overview
- Practical Design for Rotomoulding
- Designing Conversion Products



AngusMcDonald conducting Design Seminar

Gary Lategan conducts Foaming Seminar

Yuvraj of Frontier Polymers receives participation certificate from Angus

Day 2 (Jan 24)

Ravi Mehra Founding Chairman of StAR and Conference Chair got Conference proceedings underway, and he was also the first Speaker, his topic **For Growth Opportunities Go where the Growth is – Now India**. With a GDP growth rate of 8-9% and correspondingly good indices in key areas India offers great new opportunities in sectors like Infrastructure, Automotives, Recreation etc.

There is exciting new scope and avenues for both Moulders and Suppliers - they could all participate in and benefit from the growth.

Vinod Kumar of RIL Mumbai presented on **Indian Rotomoulding Industry Challenges & Opportunities** Compared to USA and China the Indian PE market has grown the most in the past 5 years. Given the huge tanks segment of the Indian roto industry, diversification to coloured, rain water harvesting, chemical and septic tanks among others has been the key to continued growth in this segment. New opportunities and businesses have emerged through value creation.

Gary Lategan of Rotosolutions South Africa presented on **What Moulders can do to Mould better Quality** They have to Measure, Control & Improve for which they need Good Process knowledge & Process controls. This they have to do on a day- to-day basis. They have to have the right Material Machine & Mould and have to do everything right with them. There are many things that have to be got right in the various processes for consistent Quality.

Celal Beysel of Floteks Turkey presented on **Road map from Water Tanks to Automotive Industry in a fast developing country** Spanning the period 1983 to 2011, it began as a switch from another industry to rotational moulding which was totally new to Turkey. Workers were educated, Customers made aware, and the market developed. Many unknowns were handled to achieve success through Knowledge, Entrepreneurship and Innovation.

Richard Levesque of Ingenia Polymers Canada presented on **Crosslinkable Fuel Tanks Application** Covered were Fuel tanks application, General overview of regulations, Solutions for new high barrier requirements, and complexities of the product

Augus McDonald of Trymak Australia presented on **Designing products for Infrastructure market** Typical designing for typical products; which had growing relevance in India.

Bloys Rijkmans of ICO – A Schulman presented on **Creep Testing in Rotomoulding**. To design plastic products it is always necessary to use creep data. The main Resin testing methods are stress, strain and time dependents; they provide different information. Among the main Resin testing methods are long term creep testing and creep rupture testing. Creep data is useful not only for product design, but also for long term performance predictions

Mark DeAmico of Dutchland Plastics presented on **Known by our products, Powered by our People** It is necessary to sustain your tier-I customers & surround yourself with good people, and grow through profitable and controlled growth. Wide range of products across sectors is conducive to such growth. Team building is practiced in Dutchland by wearing red Coloured clothing on Fridays

Swetang Dave of Promens India presented on **Quality and costs, An Interesting Relation**. Costing is based on Customer needs, and what benefits the product will bring to the business of the customer. Quality is about designing the right product for the right application and be able to do so every time. Gross profit declines over the life of a product or segment. It can be arrested by Continuous improvement; Innovation in applications, Products & Processes.

Blaise Costabir of GMI Zarahak presented on **"IT" and Rotomoulders** It is Necessary to abandon the Register and the Typewriter. Must have Customer/Product Database, Dropdowns for selection, Prompts for Operator. Functions should allow Retrieving, Editing & Tracking. The result will be all round savings and delivery on time. The need is for good ERP now and HR & Marketing modules for the future



Alain St Pierre of Reduction introduces himself at the Conference



RIL Speaker Vinod Kumar



Rick Carlsen & Bob Cosgrove of Solar Plastics with Ravi Mehra



Lunch time on 24th Jan



In high spirits



Ravi, Sarika, Ashish & Sirinunm



On the dance floor

Day 3 (Jan 25)

Balbir Bhasin of Simplast presented on **Transplanting Technology and attendant manufacturing Culture** Simplast India is the first foray of the Simplast Group outside Italy. It has fully computerized machinery guaranteeing highest standards of production. It is also ISO certified & now has a track record of providing full satisfaction to a customer that has shifted to India from Italy. The Organisation model established is to blur department divisions, and combine operations & quality functions. It ensures that the Quality personnel first demonstrate Quality production. The Indian operation has worked with its Italian principals to bring in the culture of Quality.

Gary Lategan of Rotosolutions made his second presentation of the Conference on **Want to go Green, Save Time & Energy**. Moulders should go green by saving Time, Energy, Material; by Recycling material and by Reducing Transportation. There are definite ways of doing it during processing and by saving material through good design and correct choice of material.

Benedetto Lombardo of QProducts LLC, USA presented on **Innovative Rotomoulding in Venezuela and South America** The Hubbard Management system has been successfully used in a difficult

environment. It consisted of integrated and streamlined approach comprising Organizing Board, Statistics, Finance, Communication, and Production systems.

Sirinum Mahachassada of SCG Chemicals Thailand presented on **Rotomoulding Industry of South East Asia and Thailand** Ten Countries consisting of 100 moulders have a total resin consumption of 65KTA. Eighty percent are tank manufacturers, and remaining 20% consists of ICE boxes, Containers, Kayaks, Playground equipment, Furniture, Decorative items, and Road furniture. Ninety percent of machines in use are Open flame Rock n Roll and 10% are Closed oven.

Dhananjay Sahoo & Shashikant of Indian Oil Corp presented on **LLDPE – A material of choice for Rotomoulding** Among the various polymers LLDPE is projected as one of the fastest growing polyolefin. PE Technologies comprise of both high and low pressure processes. Each process has its limitation on the breadth of resin it can produce. Properties of PE are function of Density and Molecular weight. LLDPE meets most of the characteristics essential for Rotomoulding

Rajneesh Yadav of GAIL(India) Ltd presented on **Indian PE Industry – Solid Growth Trajectory for Hollow Products**. The key growth areas which are PE demand drivers are Packaging, Consumer & Industrial goods, Infrastructure and Agriculture. The challenges faced by the rotomoulding industry are in Product standardization, Need for a broader grade slate to choose from, and Competitive fuel cost.

Workshops formed the concluding sessions of the conference

Workshop I

What is your Problem / Question ?

By: G.Lategan; M. DeAmico; C. Beysel; A. Baheti

Workshop II

MATERIALS - Q & A

By: B. Rijkman; R. Levesque; Alongkorn; J. Kapadia

Workshop III

Operations – Costs & Quality

By: S. Dave; B. Bhasin; B. Costabir

Speaker Awards



Gary Lategan



Angus McDonald



Richard Levesque



Bloys Rijkmans



Mark DeAmico



Balbir Bhasin