



ALUCAST® 2022

INTERNATIONAL EXHIBITION & CONFERENCE
ALUMINIUM DIE-CASTING

1 2 3 December 2022

Chennai Trade Centre, Chennai

www.alucastexpo.com

Organizer:



Event Producer:

NÜRNBERG MESSE

SPECIAL edition

ALUCAST® 2022- International Conference and Exhibition on Aluminium Die-Casting & Allied Technology will be held at the Chennai Trade Centre, Chennai, from the 1-3 December, 2022. The Theme for the Event is "Green & Smart Die Casting Solutions For Sustainability".

Organised by the Aluminium Casters Association of India and produced by NuernbergMesse India, the event is supported by industry leaders including Sundaram Clayton, Jaya Hind Industries, Rockman Industries, Frech, Alubee-Die-Casters, Dimo Castings and several other leading players.

A Technical Conference spanning all three days will feature sessions by internationally recognised experts on diverse aspects of die casting technology which are emerging and are likely to greatly influence the manner in which die cast parts are conceived, produced and used. Pertinent topics such as Aluminium Casting Adoption for EV's, Smart Die Casting Solutions for Sustainability, Innovative Product Design will be presented during the event.

The technical papers will be supplemented by Product Presentations, introducing some of the most significant recent advances. The conference at ALUCAST® by focusing on the above topics, aims to assist the Die Casting community in India to remain technologically advanced and competitive.

Concurrent to the conference, the Exhibition with over 175 leading brands will showcase Die-Castings, Machines, Accessories, Dies, Materials, and Services, showcasing latest technology and trends. The event will be an ideal opportunity for practising die casters to network with the best in the business and derive maximum benefit from the experience.

Foundries that have shown outstanding performance in the year gone by will be felicitated, additionally, the best casting award will recognize the outstanding casting designs of the year. The Sustainability Pavilion at the event will draw on the expertise of Tata Motors and Fraunhofer Institute for Manufacturing Technology and Advanced Materials to bring forth latest trends and developments

"GREEN & SMART DIE CASTING SOLUTIONS FOR SUSTAINABILITY"



SCAN TO VIEW CONFERENCE SCHEDULE



SCAN TO REGISTER YOUR VISIT

SUNDARAM CLAYTON

Quality with state-of-the-art equipment, robust processes, and best manufacturing practices

SUNDARAM CLAYTON are aluminium diecasting company that is part of the USD 8.5 Billion TVS group, founded in 1911 by T V Sundaram Iyengar.

Their core values are Trust, Value and Service to customers, employees, suppliers, the environment and the communities we live in.

With the vision "to accelerate the adoption of sustainable light alloy solutions, globally", they have set up their manufacturing footprint in the USA in 2019. Their global presence complements their design, development, and manufacturing capabilities. They have an installed capacity of 84,000 MT per annum supported by highly automated foundries with up to 3200 Ton machines.

Total Quality Management (TQM) for excellence is the foundation for everything they do and it leads them to Total Employee Involvement and continuous improvements. Their employees are consistently rewarded and recognised for Quality improvement in every aspect of the business.

They make low-pressure, high-pressure and gravity castings. Their fully finished parts with surface treatments range from complex parts for powertrain applications and load-bearing & thin-walled castings for chassis applications. They make millions of parts annually for commercial vehicles, cars and motorcycles for customers in India, USA and Europe. Their product portfolio includes small parts such as AC compressor parts for passenger vehicles and large parts such as Transmission housing and Flywheel housing weighing up to 25 kilograms for commercial vehicles.

They assure quality with state-of-the-art equipment, robust processes, and best manufacturing practices.

Srinivasan Services Trust, their social arm, helps millions of underserved Indians access better education, health, meet self-development goals, build infrastructure and live in harmony with the community and environment. This helps them create prosperity for themselves and future generations. This model of community work has won them national recognition for excellence in social responsibility.



FRECH – A One-Stop Solution Provider

Tooling, Project Planning, Services – Turn-Key Complete Solutions

Oskar FRECH from Schorndorf (close to Stuttgart) is a pioneer of High-Pressure Die-Casting technology (HPDC). The group develops, builds and distributes hot as well as cold high-pressure die casting machines, furnaces, thermoregulation units, vacuum systems including process-relevant peripherals and automation technology. With their own tooling department and advanced service offering FRECH truly is a one-stop shop. Our portfolio ranges from individual machines to turn-key industrial-scale systems, talent development by on job training, technical support and extensive consultation services.

By driving for the highest quality standards, engineering and manufacturing excellence and outstanding innovations, time and again FRECH have set new benchmarks. Through a strategic choice of business acquisitions and technologies FRECH furthermore keeps broadening our spectrum.

Since FRECH has unveiled the first automatic hot-chamber diecasting machine 70 years back, we evolved into a technology corporation that employs 800 people around the globe. Engine blocks, gearboxes, housings of electric motors and structural components are produced on thousands of Frech machines and meet high quality standards. Frech Casting cells also make very thin wall thicknesses and a highly refined finish. Castings made from Frech machines also feature in household appliances, smart



with manufacturing locations in Austria, Switzerland, China, Poland, The United States and Bulgaria.

Innovations that help save energy, resources and costs are currently very much sought after. This trend is also served by FRECH's FGS minimal-gate HPDC technology and Frech W Series hot-chamber machines have raised the bar for short cycle-time. Thanks to the Vacural Cold Chamber technology, also weldable and heat-treatable castings can now be produced reliably and even with salt cores, thereby increasing the geometric design freedom of the HPDC process. Additive manufacturing or 3D printing of metal parts in very low volumes are now included in the portfolio as are Industry 4.0 for Smart Foundry solutions.

Frech India is a fully owned subsidiary of Oskar Frech GmbH & Co. KG.

We are a strong team of experts in Die Casting Technology for Aluminium, Zinc and Magnesium.

Frech India is committed to increase the competencies of Indian customers and serve India at all stages from Part development, Tooling development, Casting cell design, Plant Design, Talent development by on job training, Improvements in OEE and implementing Manufacturing 4.0 in Indian Foundries.



phones and computers. Another important product segment are hardware fittings for furniture, windows and doors.

FRECH with its head quarter in Germany has global presence

ROCKMAN INDUSTRIES LIMITED

Trusted partner for all its clients

Part of the multi-billion-dollar Hero group, Rockman Industries is a leading producer of automotive components such as two and four-wheeler alloy wheels, auto chains, die-cast components, and carbon composites. Incorporated in 1960 as a bicycle component manufacturer, Rockman has diversified into multiple businesses supplying products to world-leading OEMs and Tier 1 manufacturers. They also supply carbon composite parts to luxury Automotive, Motorsports, Aerospace, and various other industries. Rockman serves its customers through strategically located facilities in auto clusters in the north, west, and south of India. Each of the facilities is designed for high quality and volumes, cumulatively converting over 220k+MT of aluminum annually. With over 100 HPDC, 200 GDC, 30 LPDC, and 450 CNC, VMC, and HMC machines, Rockman is a one-stop shop having all three casting processes (GDC, LPDC, and HPDC) with end-to-end capabilities including design, engineering, casting, machining, painting, and assembly. The combination of these technologies has empowered Rockman to build a vast portfolio of products and capabilities to suit every need. Rockman is the largest producer of two-wheeler alloy wheels and the fastest-growing four-wheeler alloy wheel manufacturer in India with an installed capacity of 15Mn+ and an FY24 projected capacity of 17Mn+ alloy wheels annually. In addition to its stronghold in casting, the company also manufactures motorcycle and industrial chains with an annual production capacity of 20Mn+ meters.

Rockman is currently focused on increasing its capacity across its various wheels, casting and chain divisions in order to cater to its customers' growing demand. It is Rockman's constant



endeavor to make its presence known in the export market with current focus, offices, and key account managers present across the US and Europe. Being technologically driven, Rockman's investment in Industry 4.0 technologies with cloud processing enables it to achieve manufacturing excellence, increased productivity, and higher quality. Considering the rising trend in the automobile industry,

Rockman has developed its capabilities to support the production of structural parts and other casting components. Leveraging years of expertise to produce high-quality products that meet global standards with benchmarked precision, reliability, and innovation, Rockman has made itself known as a trusted partner for all of its clients.



Alubee

Die Casters are one of the leading aluminium die casters in India for more than three decades

The core strength of Alubee is the ability to offer a one – stop attractive solution for all high-pressure die-casting needs. Alubee offers designing, manufacturing, and assembly under a single roof. Alubee has an in-plant infrastructure for mold making. Alubee also accommodates high-pressure die casting, post-casting operations, CNC & VMC machining, post-machining operations, and the related sub-assemblies

promoters, they have been able to grow multi-fold in various aspects of their business. Alubee has been able to be the Numero Uno in this die-casting market with their technical brilliance and state-of-the-art infrastructure.

Alubee has been progressing at an excellent pace. It is at the right moment to take off to the next level of business and widen our reach and capacity even further. The second-generation leaders are already on board and leading the team.

UNIT-1:

The current operational unit of Alubee Die Casters, UNIT-1 is dedicated to manufacturing automotive and non-automotive components. This plant has been operational for more than 2 decades successfully.

They are currently marching towards their goal of having 11 OEM customers, producing 11 lakh components per month, and achieving a triple-digit turnover. With their goals, vision, and path being so clear and set, their team is working in high spirits to work and achieve the same. Alubeans are their core strength and their energy and involvement in unmatched. Alubee is always their second home.

UNIT-2:

They are rapidly progressing and diversifying into manufacturing Non- IC Engine components and power electronics components. Alubee has started producing products for the EV (Electric Vehicles) market already. Alubee has already started work and operation of their SECOND UNIT since April 2022. The second unit of Alubee Die casters will be predominantly dedicated to manufacturing these EV and power electronics components. With the added capacity, space, and higher tonnage of machines, it is a one-of-a-kind industry in its segment.

UNIT-3:

The third unit of Alubee (tentative) will be concentrating on Solar tracking products and will plunge into the B2C market accordingly. This unit is expected to be operational in the coming years.

Alubee has meticulously drafted and implemented the successor plans already. Two of them have already taken care of the operations under their guidance for the past year successfully. The roles and ownership have been defined clearly and systematically. Team Alubee is in perfectly capable hands with the best leadership, succession, infrastructure, team, and vision.



Alubee has its state-of-the-art manufacturing facility in the industrial suburb of Hosur. They are a pioneer in the high-pressure aluminum die-casting industry. They successfully reached the prestigious silver jubilee year and is currently marching towards the golden period. The name "Alubee" is derived from the fact that "Alubeans" work with Aluminium alloys with high energy levels, intellect, and purity like the bees. Alubee produces components ranging from 10 grams to 3.0 kgs. Alubee caters to various types of industrial needs in India and abroad. The service is catered to domains and sectors like automotive, electrical, textile, power tools, solar, etc. The mantra that Alubee follows is: "Always yes to the customer." Alubee also exports to countries like Hungary and Mexico.

Currently, Alubee is supplying OEMs like Royal Enfield, Titan watches, KTTM, Bosch Power tools, Lucas TVS, SEG Automotive, Gates, Shashwati Plastics, Delta, Rajamane, Sanyata, OLA, Fuji Electric, Epropelled. Some of the potential tier-1 customers in our pipeline include Ather, Stanley Black & Decker, Ampere vehicles, Scootersan, Simple energy, etc.

With the guidance and expertise of their three



VISION AND MISSION

- ◆ Alubee is committed to becoming number one in every segment they operate in.
- ◆ Alubee strives to bring pride & joy to all its stakeholders by adopting the principle "Always deliver more than what is received".
- ◆ Alubee strives to provide world-class & innovative products and provide organizational excellence in every aspect to help fellow "Alubeans," explore their potential by providing a happy environment.

ALUBEE'S SPECIALTY

"Just give us the drawing. All the customer needs will be fulfilled and exceeded." Team Alubee is flexible for customers' needs. They are committed people who operate out of the mantra, of always yes to the customer.

They commit to what they deliver and deliver what they commit. They have a unique, exclusive, and committed team of Alubeans. With a highly competitive, talented, and dedicated team, they guarantee an on-time delivery every time.

Many benchmarking practices which are innovative are being practiced at Alubee.

They at Alubee are committed to providing customer delight through quality, the value of cost, and on-time delivery of all the products manufactured. They make sure that the highest quality standards are maintained through continual improvement. They maximize the value to customers 100% and surpass their needs.

Supplier development is an integral part of Alubee. They handhold their suppliers and export good practices of Alubee to the team.

AWARDS

They are habitual Award winners and here are some of the prestigious awards that they have won over the years.

- ◆ Best Tooling Support Award by M/s. G.K.Plastics – 1994
- ◆ Best Process Innovation Award by M/s. Dynaspede - 1996
- ◆ Bosch Best Supplier Award -2009 Alucast - Best Foundry Award-2010
- ◆ Hyundai 'SQ' Mark Certified -2011 Consistency in the quality award -2011.
- ◆ Alucast - Best Foundry Award –2012
- ◆ Alucast - Best Foundry Award –2014
- ◆ Alucast – Best Foundry Award –2016
- ◆ National Outstanding Entrepreneur Award - 2016.
- ◆ Alucast – Best Foundry Award -2018

- ◆ ISO/IATF 16949 Certified
- ◆ ISO 14001/ISO 18001 – Certified WCMS Certified by Ford
- ◆ Best Performance Award By SEG Automotive Group – 2018

CERTIFICATES

Alubee has all the statutory intact and almost all the QMS certifications are done:

- ◆ EMS Certificate -Valid up to -March 12, 2024
- ◆ OSHAS Certificate – Valid up to -March 21, 2024
- ◆ IATF16949:2016 – Valid up – 25 May 2024
- ◆ ISO 9001:2015 - Valid up to 25.05.2024
- ◆ VDA 6.3
- ◆ WCMS from FORD

- ◆ MACE from Maruthi
- ◆ SQ from Hyundai

MILESTONES

- 1991 – Started as an innovative Tool Room
- 1993 – Ventured into CNC Machining
- 1996 – Started VMC
- 1998 – Explored PDC Possibilities
- 2005 – Bought all operations under one roof
- 2010 – Introduced admin block and state-of-the-art metrology lab
- 2017 – Fully automatic PDC machines
- 2018 – Exports to Mexico and Hungary
- 2021 – Expansion and added capacity of Unit-2
- 2021- Ventured into the solar segment

WHY SHOULD CUSTOMERS CHOOSE ALUBEE?

- ◆ One of the fastest lead times in mold making in the world (30 working days for a PDC mould)
- ◆ State-of-the-art facility – All under one roof
- ◆ Committed delivery: peace of mind guaranteed
- ◆ A dedicated team of Alubeans to

serve our customers 24*7, 365 days

- ◆ Expanding spare capacity Progressively
- ◆ Highly energized 2nd line leaders
- ◆ World-class quality and on-time delivery

TESTIMONIALS

- ◆ *Excellent facility, high quality, and impressive knowledge base. I look forward to continuing to work with Alubee:*
Faraz Abulhaawa, Royal Enfield, UK
- ◆ *Interesting factory, implemented well for lean:*
Sam Lan, Johor Bahru, Malaysia
- ◆ *Great opportunity to witness the transformation process, spirit, and commitment to our business relationship! Now please go global! :*
Gunter Hoffman, VP of Purchasing
- ◆ *Keep Improving. The sky is the limit. The way you all are moving, I'm sure this organization will always grow.*
Ganeshan. N, Alucast, Pune

