

ALUCAST[®] 2022

INTERNATIONAL EXHIBITION & CONFERENCE – ALUMINIUM DIE-CASTING
CHENNAI TRADE CENTRE, CHENNAI | DECEMBER 1-3, 2022



FINAL REPORT

**GREEN & SMART DIE CASTING
SOLUTIONS FOR SUSTAINABILITY**



NÜRNBERG MESSE

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INDIA'S PREMIERE EXHIBITION FOR ALUMINIUM DIE CASTING AND ALLIED INDUSTRY

- ALUCAST 2022 attracts record number of exhibitors and visitors
- Sustainability Pavilion highlights innovations in Castings for the EV Industry
- Leading national and international Brands from 8 countries congregate at India's premier exhibition for the aluminium die casting Industry after 4 years

ALUCAST 2022 – the biennial International Conference and Exhibition on Die Casting Technology, concluded on a successful note on 3rd December, 2022. Organized by Aluminium Casters' Association of India (ALUCAST), and produced by NuernbergMesse India, the three-day event held at the Chennai Trade Centre, Chennai attracted a record number of Exhibitors, Visitors and Delegates. The exhibition welcomed participation from 148 exhibitors and brands from 8 countries including Bahrain, China, Germany, Italy, Singapore, Spain, Switzerland and Taiwan and over 5000 industry visitors from 15 countries.

The event was inaugurated by Dr. Laxmi Venu, Managing Director, TVS Sundaram Clayton, one of India's largest auto components manufacturing and distribution group, Mr. Prasan Firodia, President – ALUCAST and Managing Director - Force Motors & Jaya Hind Industries, Jeffry Jacob, Partner at KPMG Business Consulting India, Mr. Christopher Boss, Executive Director, NuernbergMesse GmbH, Ms. Michaela Kuechler, Consul General, German Consulate, Chennai and Mr. Bharat Agarwal, Trustee, ALUCAST and President, Vishwakarma Group of Industries and Mr. Niranjan Toraskar, Trustee, ALUCAST.

The theme of the event “**Green and smart die casting solutions for sustainability**” is pertinent and well chosen. In today's uncertain world the one certainty is that we all are working to move towards a more sustainable future and aluminium die casting plays a very central role in it.”



The theme for ALUCAST 2022 ‘Green and Smart Die Casting Solutions’ was chosen and designed to help steer the Die Casting & the Allied Industry towards more environment-friendly, smart solutions to create a viable ecosystem for sustainable growth & development of the industry through innovation and the use of latest tools & technology. More than 35 Technical Papers were presented during the conference, which was attended by 200+ delegates. The best foundry and die casting awards honoured the best in the business.

A special highlight at the event was the “SUSTAINABILITY PAVILION” which by drawing on the expertise of Tata Motors and Fraunhofer Institute for Manufacturing Technology and Advanced Materials, managed to highlight latest trends and developments in the realm of green, advanced and sustainable die casting solutions.

“ It’s a fantastic forum. It has brought together members across the die casting value chain - be it die casters, tools manufacturers – the entire eco system after the long covid break. The industry has really risen to the challenge. We have become leaner, more productive, and have invested in future looking technologies. Hence, we have come out stronger than ever. Relationships are core to our industry and ALUCAST helps strengthen them further. The theme of Green and smart die casting solutions for sustainability is very pertinent and well chosen. In today’s uncertain world the one certainty is that we all are working to move towards a much more sustainable future and aluminum die casting plays a very central role in it and at the same time we are moving towards smart, digital factories which is changing the face of our operations. ”

Dr. Lakshmi Venu, TVS Sundaram Clayton Ltd.



“ The Die-casting Industry world over is going through challenging times with increasing energy costs, supply disruptions and rising cost of logistics. In comparison, the Indian die-casting industry is in a much better situation and poised for robust growth on account of the positive economic outlook projected for India in the next few years. The current global geo-political situation brings with it the strong possibility of many global customers moving business to India and the question for our die-casting industry is how well can we leverage this situation. I am very happy to see the wholehearted participation of both domestic and international players at the Alucast Exhibition and we are looking forward to three days of serious and fruitful business discussions amongst the various stakeholders contributing to the die-casting industry in India and globally. Nurnberg Messe our partners for exhibitions have continued to deliver as per expectations and beyond and we are happy to see that the presence and mood at the stalls is of high motivation and optimism, going forward.”

Prasan Firodia, Managing Director at Force Motors Ltd.

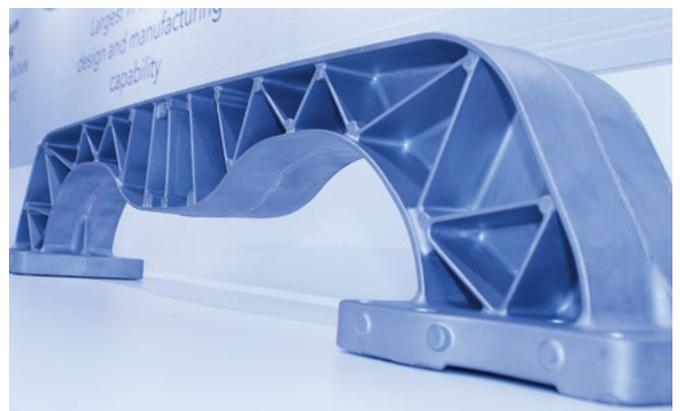
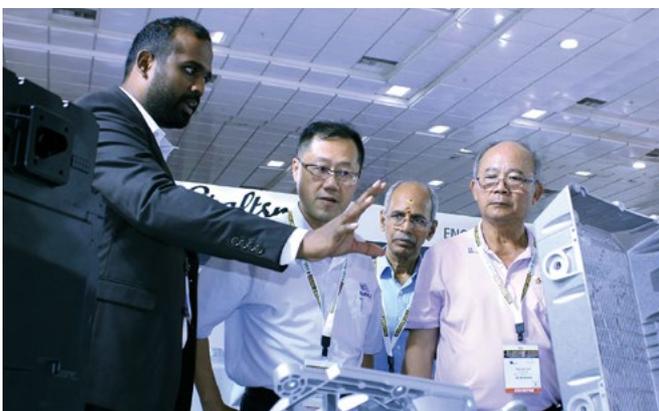
“ The 9th edition of ALUCAST has proven itself to be a valuable meeting point for the entire industry, and an effective platform for highlighting path-breaking trends. We are pleased to note that the entire die casting community - the visitors, exhibitors and the delegates were able to gain insights, close deals, meet their peers after a gap of 4 years, and most importantly learn from national and global experts about technologies which will define the next set of growth and innovation”.

Sonia Prashar, Managing Director, NürnbergMesse India

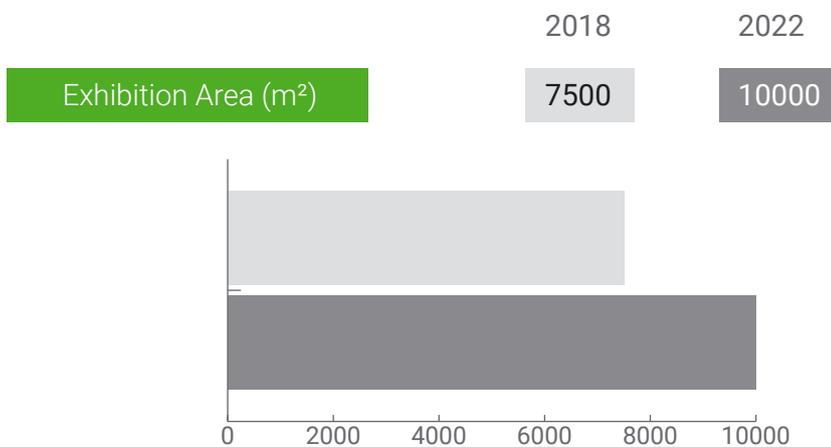
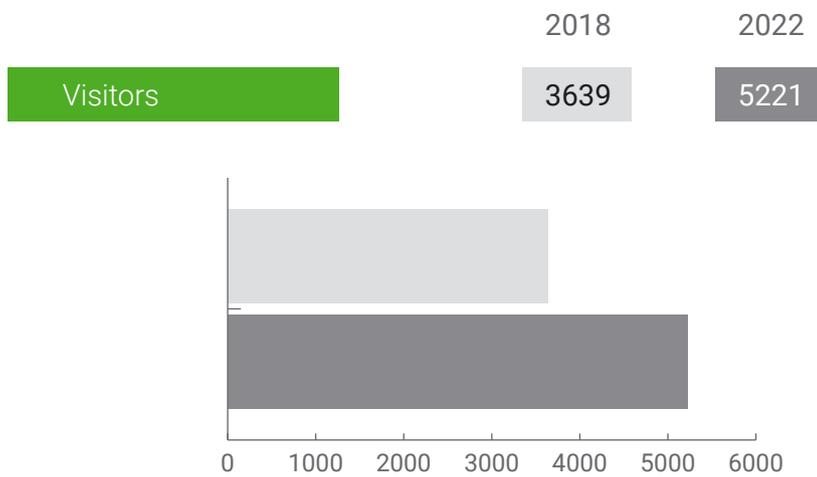
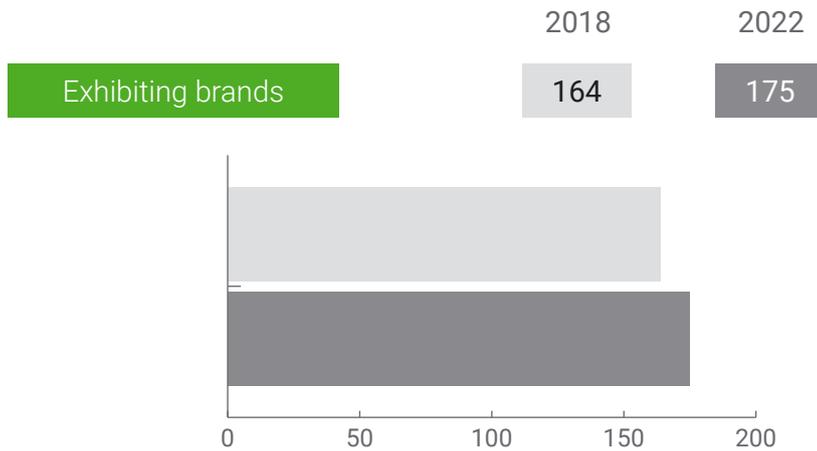


“ ALUCAST is a show of extra ordinary excellence. We have taken a quantum jump since 2018. With around 200 exhibitors, it's a global event. Right now, the industry is on a boom and is expected to continue for the coming years. The growth is enormous and we are hoping more and more people set up die casting plants. We are also seeing a quantum jump in the memberships. Die casting is a highly focused mother industry for most of the auto component business and this show brings in new technologies and availability of capacities to our customers and we share a lot of knowledge through our events here not only by exhibitions but also by conference.

T. Parabrahman, Trustee, Aluminium Casters' Association (ALUCAST)®, India

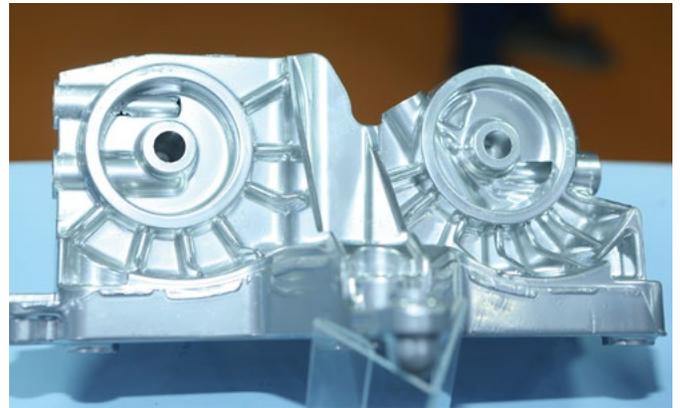


STATISTICS



“ Jayahind is happy to be back ALUCAST after a gap of 4 years! The demand is growing tremendously which is good news for the entire industry and not just for us. ALUCAST is an excellent show and this is the largest show till date and the number of visitors is going record high and is organized very well like always! I see a lot of automation trending this year and various startups. ”

Sarang Kanade, Dy. Chief Operating Officer, Jaya Hind Industries Pvt. Ltd.



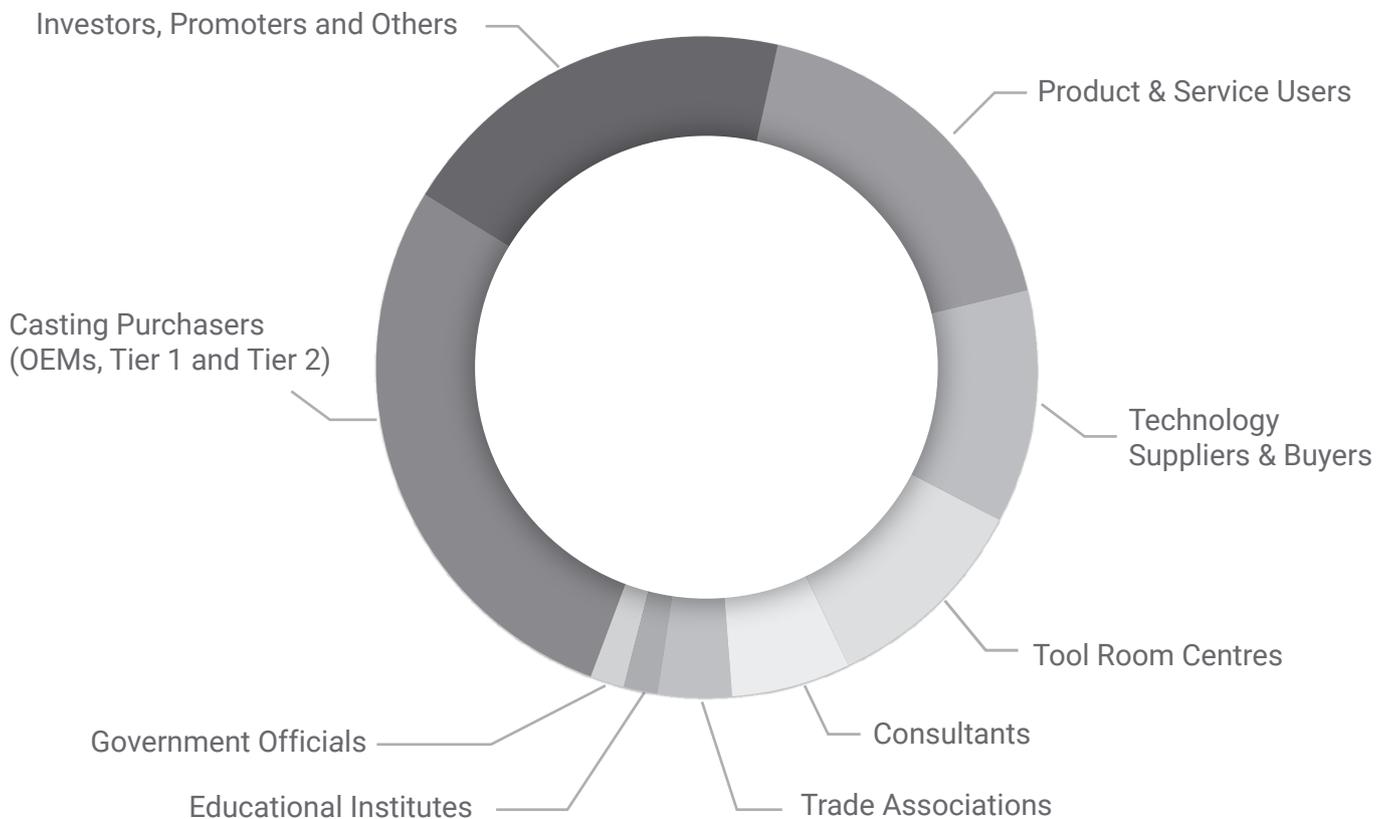
“ It’s been a great event. After a long time we have seen such a large event with many exhibitors, very good technical papers at the conference, very excited to be a part of ALUCAST. There is a lot of improvement & evolvement in technology both in terms of component manufacturers and equipment suppliers. I see that ALUCAST is coming very close in comparison to international standards and events like Euroguss. The theme is very apt for the event and that is where the industry is heading towards. ”

Tej Bamra, Chief Sales & Marketing Officer, Rockman



VISITOR PROFILE – BUSINESS CATEGORY

Business Category	%
Casting Purchasers (OEMs, Tier 1 and Tier 2)	28.1%
Investors, Promoters and Others	19.9%
Product & Service Users	17.6%
Technology Suppliers & Buyers	11.5%
Tool Room Centres	10.2%
Consultants	5.8%
Trade Associations	3.6%
Educational Institutes	1.7%
Government Officials	1.6%



“ We have been participating every year. It grows every year and it has been our first choice as an expo to participate in. It is a very well organized expo, the booth designs, layout and the way of presentation is international class! I see a lot of new products coming in and everyone is talking about EV and automation here and a lot of international interest in the segments in India. In long term India is going to be everyone's favorite platform. Good, better and best – next one will be the best! ”

Ashish Bhansali, Managing Director, Anand Group of Companies



“ ALUCAST 2022 has been very good and I am very happy to be here! The conference sessions are of high level and had high focus on the theme of sustainability and green solution to the die casting. The discussions and presentations were very interesting. India is definitely moving forward in sustainability and it is huge subject of discussion. This is a very good show, a lot of knowledgeable people are here, die casting industry in India is for sure going forward! ”

Sebastian Sivertsen, Product Manager, Uddeholm

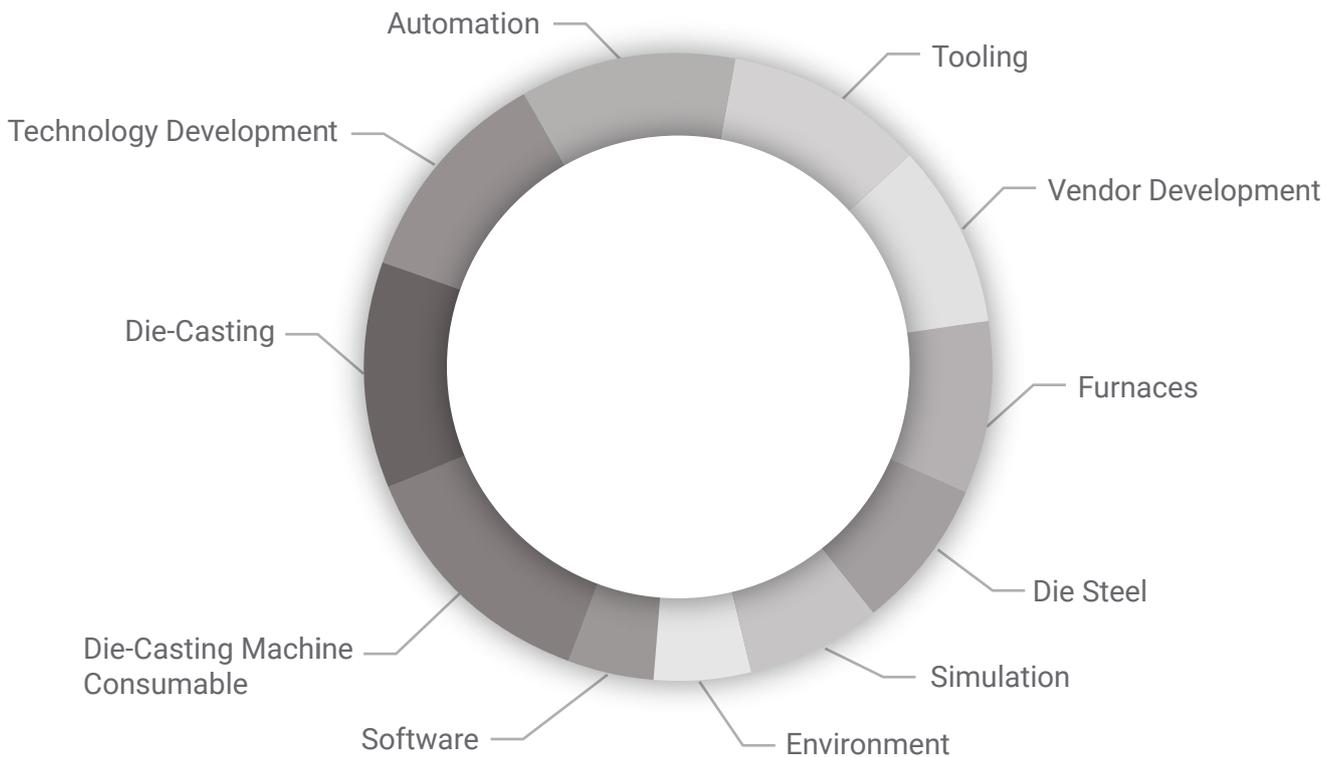


“ Seeing such a good event after 4 years is a very experience for us. The team of Nuernbergmesse has done a wonderful job. The feedback has been fantastic for the past 2 days and the business is picking – it is going well for us! Visitors are looking for something new, everyone is asking what is new and it is the trend right now. Keep up the good work, fantastic experience. ”

Srikanth N S Addala, General Manager – Operations, MAGMASOFT

VISITOR PROFILE – AREA OF INTEREST

Area of Interest	%
Die-Casting Machine Consumable	13.2%
Die- Casting	11.6%
Technology Development	11.3%
Automation	11.1%
Tooling	10.5%
Vendor Development	9.3%
Furnaces	9.0%
Die Steel	7.7%
Simulation	6.8%
Environment	5.0%
Software	4.4%



“ After a long break we are back and it has been fantastic! I get to know what everyone is up to – we had many problems in the industry and here I find exhibitors with the solutions so it is very helpful. Something interesting I saw was bike body in aluminium frame at Rockman’s booth which I have never seen before (only in steel till now). We get solutions at ALUCAST!

”

Amit Sharma, Sumit Industries



“ Now the Indian die casters are ready to serve the global customers and is the perfect time for us to be at ALUCAST. The responses we have seen in last 2 days have been really amazing and we are happy with it. The industry is extremely positive and the kind of inquiries the Indian die casters are getting and the way developments are going on with the Indian OEM’s and tier 1’s, it’s a good time for Indian die casters to grow and invest in quality infrastructure and grow bigger and bigger year on. Trend this year is good quality infrastructure and talent development for Indian die casting for attaining global requirements. Amazing!

”

Rakesh Garg, Director, Frech India Machinery Pvt. Ltd.



TECHNICAL CONFERENCE

THEME: GREEN & SMART DIE CASTING SOLUTIONS FOR SUSTAINABILITY

Technical Papers presented	13
Technology Presentations	19
Speakers (50% international)	33

The high end and technical conference conducted various panel discussions, presentations and technical papers which were highly appreciated by the attendees across the industry. The sessions were themed around the following topics:

-  Green fuels for aluminium melting
-  Smart TPM (temperature & pressure management) for improving energy efficiency & quality in castings
-  Additive manufacturing: A transformational approach to smart die-casting
-  Die-casting 4.0
-  Aluminium in electric vehicles: The smart choice for light, safe & sustainable mobility
-  The smart 3R (reduce, reuse, recycle) approach for green die-casting
-  The 3-layered innovation approach to sustainability in die-casting: Innovation in material, process, tools/technology
-  Digitization in die-casting for smart (optimized & sustainable) manufacturing
-  Moulding people with moulding aluminium: Smart talent management in die-casting
-  Smart Ps (people, processes & products) for cost optimization in die-casting



“ The impressions of ALUCAST 2022 are fabulous! When I am visiting the stalls and meeting my friends from the die casting fraternity, everyone is so happy and excited to be here after the covid era – to get together, meet & network and do great business. Everyone is also talking about the theme of the conference – ‘sustainability’ and the solutions which are actually all available at the expo ground! Another trend is electrification of passenger vehicles i.e. the two wheelers and eventually commercial vehicles also. There is a lot of excitement in the industry and everyone foresees that the aluminium will be in great demand in the electrification era! ALUCAST has been a grand success – thanks to ALUCAST Association, Nuernbergmesse and the sponsors for making this one of the best ALUCAST so far. ”

Vivek Joshi, President & CEO, TVS Sundaram Clayton Limited



“ Our experience at ALUCAST 2022 has been awesome! We were happy to see this incredible opening ceremony with so many people there! The kind of meetings we had, lectures we have heard in perfect format and its appropriate to the actual situation in Indian market. After several years of focusing on basic technology and now there is demand for hi tech and we are deep in discussions about specific projects and this is a crucial change compared to last time. Dynamic, Customer orientated but also familiar. ”

Dr. Alexander F. Marks, Director, FRECH GMBH + Co. KG



AWARDS

ALUCAST 2022 Best Foundry Award

Small Scale	MAP Alloys, Pune
Medium Scale	Alubee Die Casters, Hosur
	Dimo Castings Pvt. Ltd., Bengaluru
Large Scale	Sundaram Clayton Ltd., Chennai
	Jaya Hind Industries Pvt. Ltd., Pune



MAP Alloys, Pune



Alubee Die Casters, Hosur



Dimo Castings, Bengaluru



Sundaram Clayton, Chennai



Jaya Hind Industries, Pune

“ ALUCAST 2022 is a different ALUCAST! Meeting after a long break and there is a lot of enthusiasm in the die casting fraternity and lots of new technology and requirement within the industry. Globally a lot of changes have come with respect to the requirement to the requirements of the die casting fraternity in terms of the markets looking at light weighting, automotives solutions so die casting becomes a more economical solution. Exciting. Enthusiasm and entertaining! ”

Dr. TVLN Rao, CTO, Sundaram Clayton Limited



“ ALUCAST has been great so far but ALUCAST 2022 is the best I have seen in my life! We have a very good footfall all 3 days. People are enthusiastic to know about what is new and overall, it's a good atmosphere. Sustainability, energy saving, water saving and low waste is trending and anyone who has solution for all of this is going to be doing very well. ”

Kedar Vaidya, Head of Advanced Materials at Buhler Group India Pvt. Ltd.



“ The exhibition and the technical papers are all up to mark! There are a variety of exhibitors giving new additions to the die casting technology. It's a really good and informative exhibition. ”

Niranjan Toraskar, Trustee & Hon. Treasure, Aluminium Casters Association of India

AWARDS

ALUCAST 2022 Best Casting Award

Best Casting Award	UNO Minda Ltd., Manesar
	Sundaram Clayton Ltd., Chennai
Motivation Prize	Shagun Industries Pvt. Ltd. Pune
Lifetime Achievement Award	Mr. S. Sivalingam, Dolphin Die Casting, Bengaluru



Sundaram Clayton, Chennai



UNO Minda, Manesar



Mr. S. Sivalingam, Founder & Promotor, Dolphin Die Casting, Bangalore

“ It has been a wonderful and exciting experience at ALUCAST 2022. It was a quality footfall – visitors from across levels from top management level, middle and operations level as well as customers from all regions. The industry is going to complete digitalization of foundrys and that’s where we are preparing ourselves and we also upgrading ourselves for robotics. Fabulous, Wonderful interacting face to face, Entire fraternity in one place. ”

D. Giridhar Raj, Business Head – Foundry Division, Pyrotek



“ ALUCAST 2022 has been a superb exhibition! Be it the customer flow or the quality of visitors - the way everything was organized and communicated, it has attracted a lot of quality visitors and we have received a lot of inquiries which we are positive to convert into orders and we are already in for the next edition. ALUCAST is a 'paisa vasool' exhibition! ”

Sunil Jayraj Ved, Ved Firms



“ ALUCAST 2022 has been a fantastic experience for us. There has been a great foot fall. We introduced a lot of technology here. We have had a lot of positive response coming from customers – has been great and are very excited. Automation and EV is a sure trend this year. And India is going to be the place where we will meet at par with the global standards. Fantastic playground for the industry, World Class! ”

Rahul Ramchandani, Director, Lubrikote

SUSTAINABILITY PAVILION

ALUCAST 2022 had a special Sustainability Pavilion, partnered by TATA Motors. The pavilion had representation from Fraunhofer India and Fraunhofer IFAM.

A panel discussion was also organized in the main conference "Indo-European Technology Bridge - Cooperation for Sustainability" moderated by F.-J. Wöstmann, Fraunhofer IFAM, Germany. The discussion focused on the common challenges, solutions for supply bottlenecks in raw material and further activities to create an exchange platform between India and Europe for HPDC-Industry.

TATA Motors displayed theme-based castings at the pavilion:

Bearing Cover

Mounting Housing

Drive Head Housing

Rear Half Housing

Front Half Housing



“ The kind of response, we have got in last 2 days at ALUCAST 2022 is something I have not seen in last 15 years! So, this is a block buster event! It’s an event where every stakeholder from the industry be it from India or globally – they are here! This is THE exhibition for die casting industry – anyone who has to do with die casting is and have to be here. The die casting community in India has really matured and I have been travelling across globe and attending a lot of exhibitions but I have witnessed that the Indian community is really maturing and ALUCAST as an exhibition is also at par with international exhibitions. I have also launched my first book – Zero Porosity management! New hope, new light, turning point for the industry! ”

Rahat A Bhatia, Director, RAGA Group



“ ALUCAST 2022 has been great and great opportunity to meet lot of customer and suppliers who are an integral part of our journey so it been good so far. We have to constantly innovate ourselves to get better and I see a lot of companies are innovating what can be controlled or what is in our hand, be it the new technology, operations, focusing on inhouse productivity. Casting the future of mobility! ”

Srivardhan Krishnakumar, CEO – Auto Alumimium Division, Craftsman Automation



“ Its my first time at ALUCAST and it has been very exciting and amazing so far. The sector is growing very fast and we have been visited by many customers and are very satisfied. Exciting! ”

Giulio Zini, Project Manager, MARPOSS

THANK YOU PARTNERS

Platinum Partner



Sundaram-Clayton Limited

Silver Partner



JAYA HIND

Casting End-to-End Solutions



Registration Partner



Knowledge & Bag Partner



VIP Lounge Partner



Sustainability Zone Partner



“ We have received a lot of new opportunities at ALUCAST 2022. We are getting a mix of all segments of industry. There is a lot of focus on EV and alloy wheels and this is where we got of queries meaning there is a lot of opportunity in these segments. It’s a very good platform and I want to invite other business partners also to come here and grab the opportunity and showcase themselves. ”

Amit Mehta, Vice President, UNO Minda



“ ALUCAST 2022 has been really positive. There were many attendees from top management to also technicians so really interesting talks and a great success. I also want to point out that I could also join some conference sessions, it was very good and at very good technical level. ALUCAST is the future and new opportunity for developments for business. ”

Christophe Lacourt, VP Sales, StrikoWestofen



“ We participate every year at ALUCAST and this year has been exceptionally successful for us. We had good footfall and superb response so far. The overall organization of the show was also excellent. Successful! ”

Shrikant Bhat, Head, Non Ferrous Foundry Business, Forace Group

MEDIA PARTNERS



MATERIAL RECYCLING ASSOCIATION OF INDIA
Voice of the Indian Recycling Industry

“ Its really good to be at ALUCAST 2022 meeting the industry after 4 years. It has been a very positive response. We are also happy to see the exhibition growing bigger and bigger every edition and attracting more companies and visitors each edition. ”

Ashay Shastri, Vice President, Ultraseal



“ My experience at ALUCAST has been fairly exceptional. The show has been quite exciting, there is a lot of optimism and a lot of international interest. It represents the dynamism of the Indian economy that's how I see it. There is a massive boost in confidence lately in Indian people which is really exciting! Exciting and Optimistic! ”

Andrew Tagg, Technical Manager, John Winter



“ This is the best ALUCAST, I have experienced so far. The footfall is great, various inquiries, very passionate and everyone is enjoying it. We will reap the benefit very soon. The market is very wide and there is a lot of opportunity. I see new companies here and I invite more startups to join as the more the competition grows, the industry will also upscale itself so it is a win-win for everyone. Excellent to the core! ”

Prabhuram, Founder, Alubee

“ The first ALUCAST I joined was in 1997 and I see it has grown beautifully. We were very much satisfied – probably 80 percent of our existing customer came and met us and we met many new contacts. Everyone who came was rather positive about the exhibition and the meetings also. ALUCAST is a connection between Fondarex and the die cast world of India. ”

Johann Emmenegger, Engineering Director & Instructor, Fondarex



“ It has been surprisingly good. This year ALUCAST has been even better than expected. A lot of visitors have come from different levels – from junior to senior, from operators to top management so it has been really positive. I want to highlight the good organization of the event and definitely push for similar events in the future. Networking! ”

Miguel Angel Campos, Sales & Marketing Director, MetalFlow



“ ALUCAST is a very good show and lots of visitors showed up – I didn't expect to get so many leads. The visitor base is also very knowledgeable themselves. The conference session was very good also. ”

Remo Bolliger, Area Sales Manager, Regloplas

THANK YOU

SEE YOU AT

ALUCAST® 2024

INTERNATIONAL EXHIBITION & CONFERENCE - ALUMINIUM DIE-CASTING
INDIA | DECEMBER 5 - 7, 2024

PROJECT TEAM

For Partnership & Stand Booking:

Priya Sharma

Portfolio Director

+91 11 4716 8830

Priya.sharma@nm-india.com

Tanya Bhardwaj

Assistant Director - Projects

+91 11 4716 8826

Tanya.bhardwaj@nm-india.com

Abhinav Bhardwaj

Manager - Projects

+91 9108152418

Abhinav.bhardwaj@nm-india.com



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