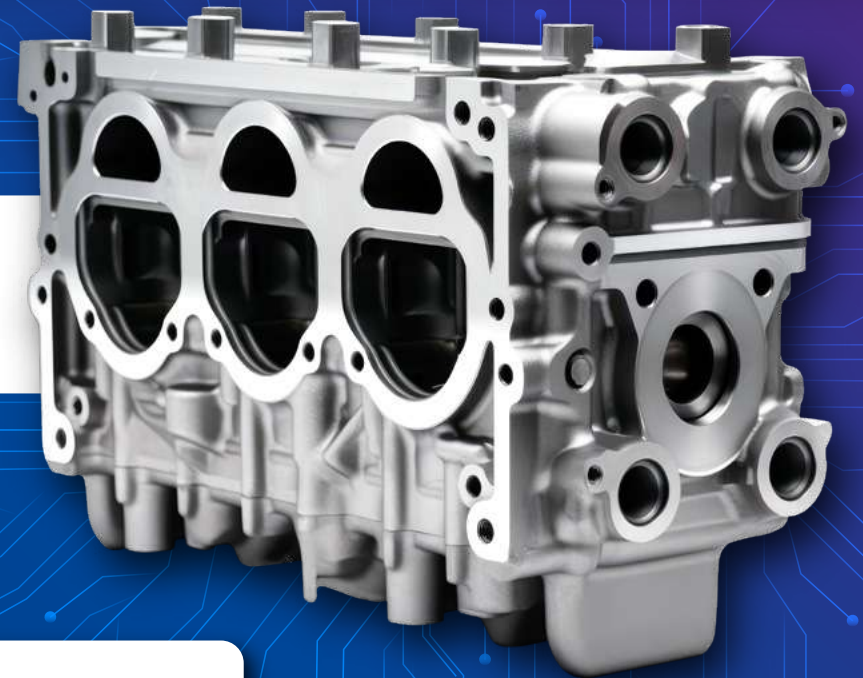


ALUCAST® 2024

INTERNATIONAL EXHIBITION & CONFERENCE - ALUMINIUM DIE-CASTING
5-7 DECEMBER 2024 | YASHOBHOOMI, IICC, DWARKA, DELHI

FINAL REPORT



NÜRNBERG MESSE



www.alucastexpo.com



The 10th edition of **ALUCAST® EXPO**, India's premier platform for the aluminium die-casting and allied industry, took place from **December 5-7, 2024**, at Yashobhoomi, Dwarka, New Delhi. The biennial event featured **200+ exhibitors** and **300+ brands**. With **6,400+ visitors** from **20+ countries** - including Malaysia, the United States, Japan, the United Arab Emirates, Germany, Russia, Sri Lanka, Cameroon, Nepal, China, South Africa, Nigeria, Qatar, Taiwan, Singapore, Canada, Switzerland, Tanzania, Estonia, Italy, Turkey, Belgium, Portugal, Thailand, Saudi Arabia, South Korea, and the United Kingdom—the event underscored India's expanding aluminium die-casting sector, particularly in automotive technology, where lightweight, non-ferrous metals are in demand.

Organized by **The Aluminium Casters' Association (ALUCAST)®** and produced by **NürnbergMesse India**, the expo brought together industry leaders and innovators to showcase advanced products, materials, and technologies..



25%

INCREASE IN NUMBER OF EXHIBITORS

30%

INCREASE IN NUMBER OF VISITORS

40%

INCREASE IN EXHIBITION AREA

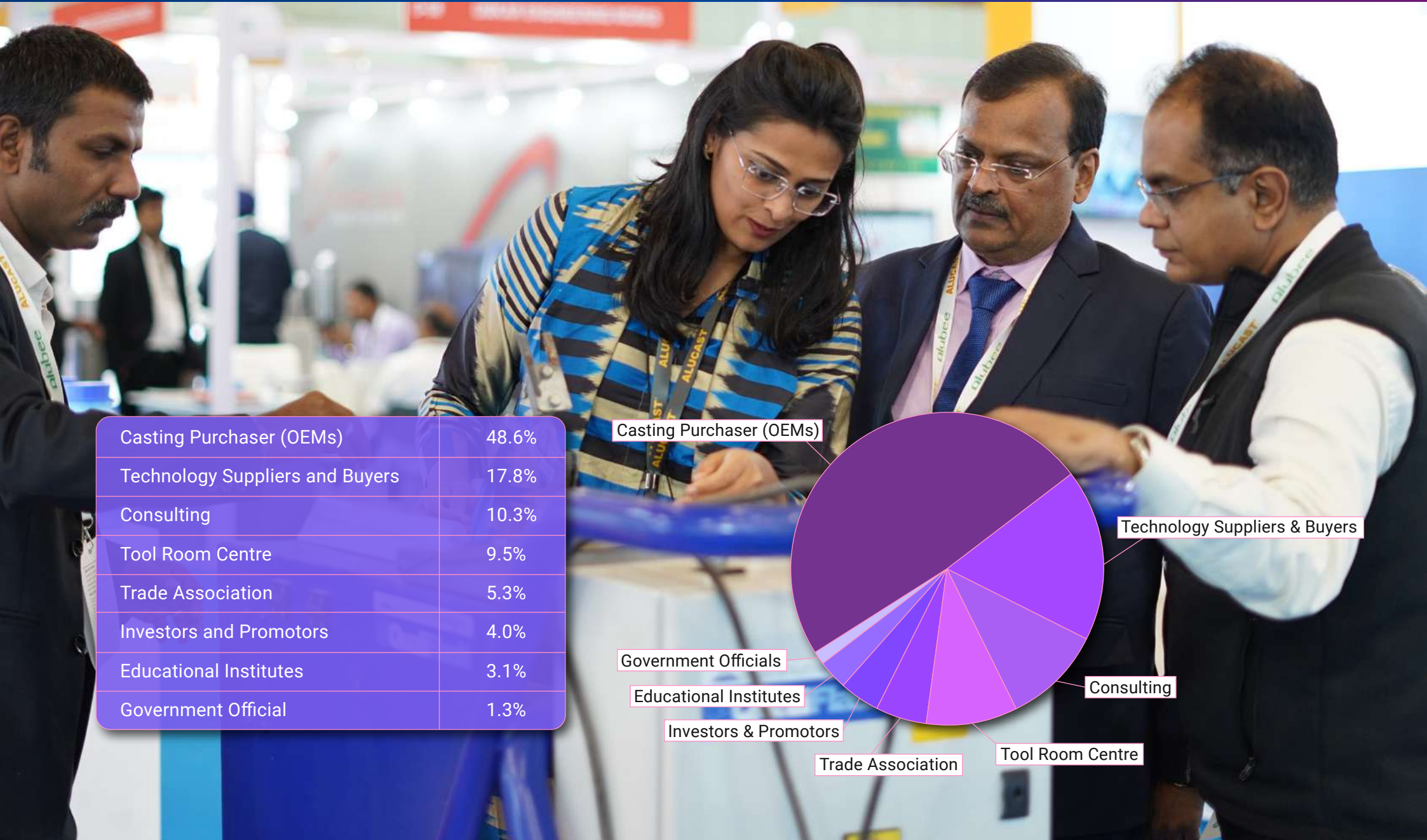
Going forward, India is set for significant growth, with aluminium consumption, particularly in the automotive sector. My request to the industry is to bring the latest technology at competitive rates while maintaining high quality. ALUCAST EXPO serves as a crucial platform for the industry, bringing together all stakeholders under one roof - manufacturers, suppliers, OEMs, Tier 1 & 2 companies, as well as equipment manufacturers - to connect and collaborate.

Deepak Thukral | Maruti Suzuki India Ltd.

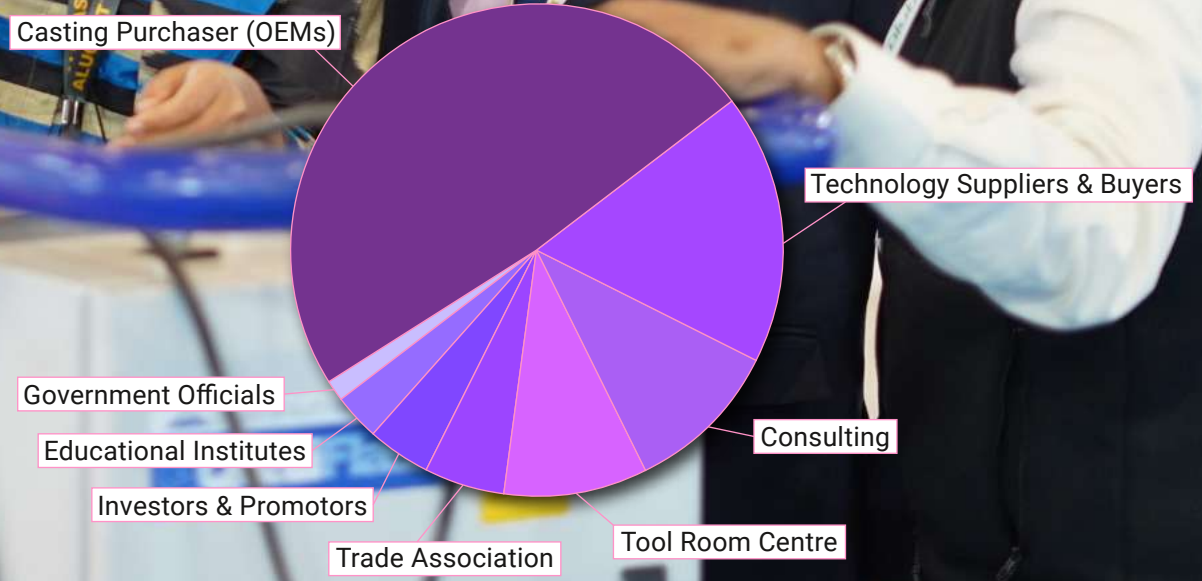
I was already impressed by ALUCAST 2022, but this year has been even better. With a growing number of exhibitors at this new exhibition center, the event has expanded significantly. Additionally, launching new products has further boosted our momentum, making it a fantastic experience. ALUCAST brings all key industry players together on a single platform, driving India's development as a leading die-casting market for the future.

Dr. Alexander F. Marks | Frech Group





Casting Purchaser (OEMs)	48.6%
Technology Suppliers and Buyers	17.8%
Consulting	10.3%
Tool Room Centre	9.5%
Trade Association	5.3%
Investors and Promotors	4.0%
Educational Institutes	3.1%
Government Official	1.3%

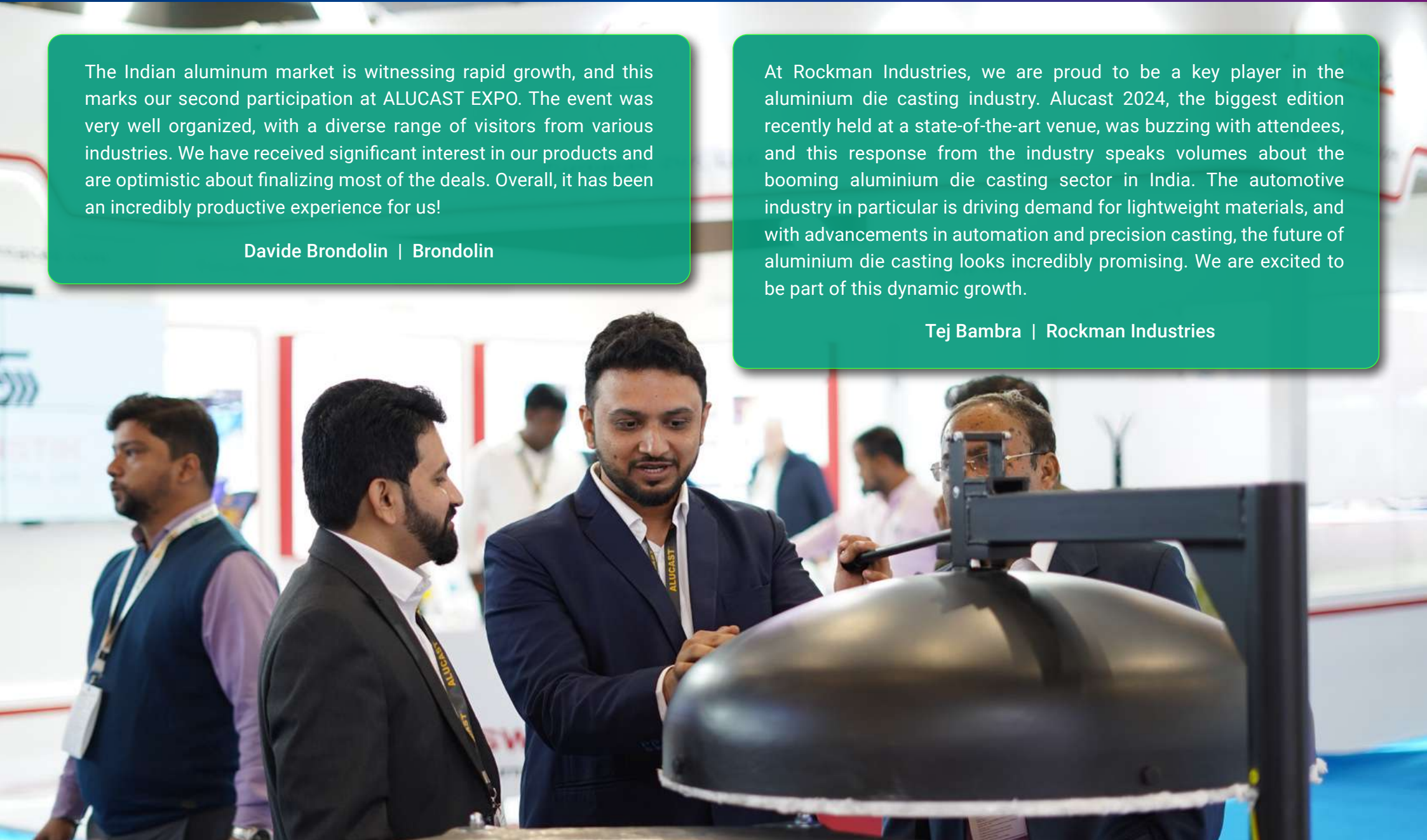


The Indian aluminum market is witnessing rapid growth, and this marks our second participation at ALUCAST EXPO. The event was very well organized, with a diverse range of visitors from various industries. We have received significant interest in our products and are optimistic about finalizing most of the deals. Overall, it has been an incredibly productive experience for us!

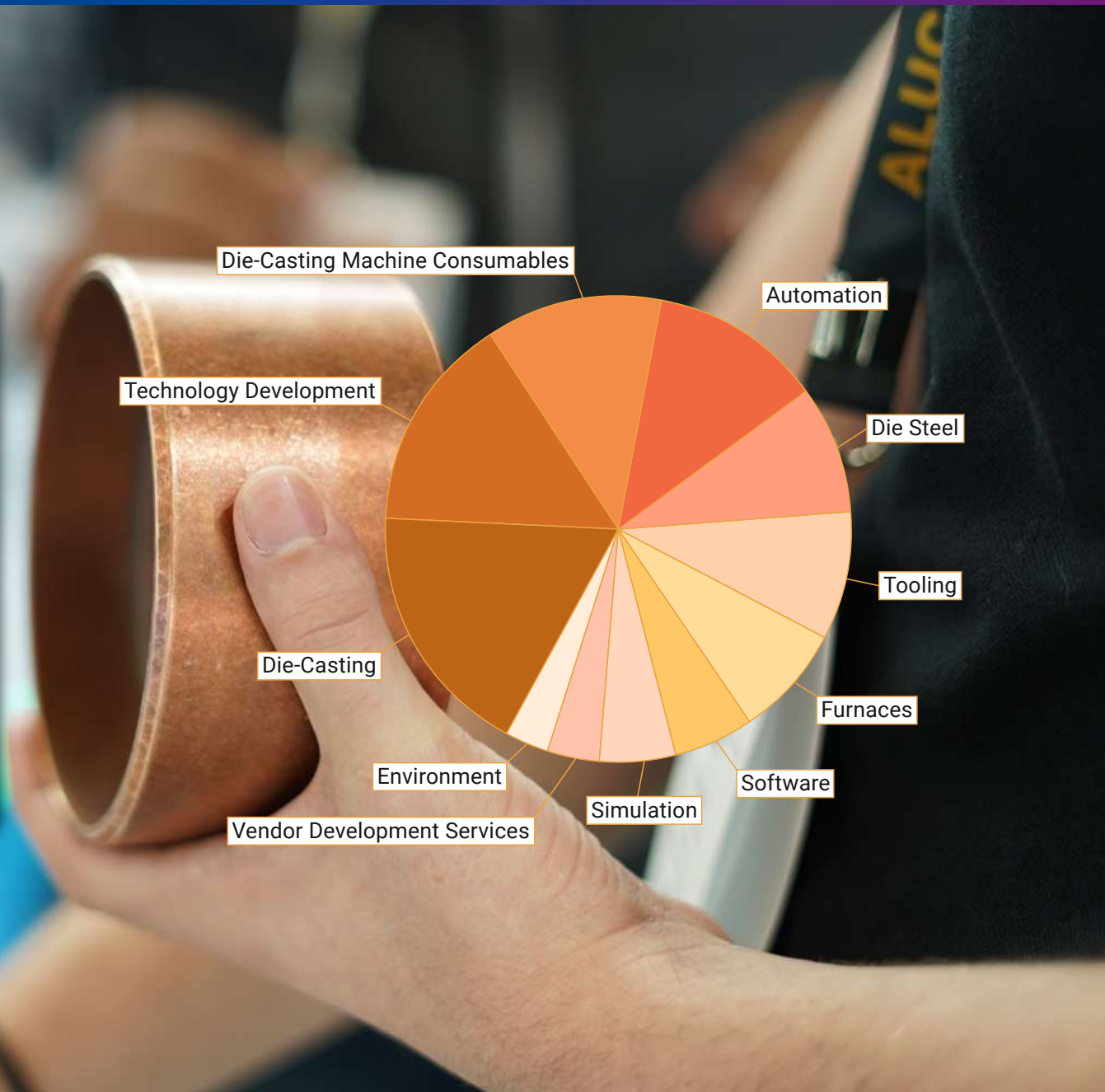
Davide Brondolin | Brondolin

At Rockman Industries, we are proud to be a key player in the aluminium die casting industry. Alucast 2024, the biggest edition recently held at a state-of-the-art venue, was buzzing with attendees, and this response from the industry speaks volumes about the booming aluminium die casting sector in India. The automotive industry in particular is driving demand for lightweight materials, and with advancements in automation and precision casting, the future of aluminium die casting looks incredibly promising. We are excited to be part of this dynamic growth.

Tej Bamba | Rockman Industries



Die-Casting	17.7%
Technology Development	14.9%
Die Casting Machine Consumables	12.0%
Automation	11.8%
Die Steel	8.8%
Tooling	8.8%
Furnaces	8.7%
Software	5.5%
Simulation	5.2%
Vendor Development Software	3.5%
Environment	2.9%





THEME: LEVERAGING INNOVATION & TECHNOLOGY FOR GLOBAL COMPETITIVENESS

16 Technical Papers Presented

11 Technology Presentations

31 Speakers



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:

- Recent Developments in semi solid casting
- Counter Pressure casting process
- Harnessing Artificial Intelligence for Competitive Advantage in die casting industries.
- Light weighting of Aluminium castings "Knuckles"
- New Aluminium Alloys and heat treatment process for Die Cast Structural parts
- Thermal management of dies
- Recent advances in welding of Dies for enhance die life
- Innovations in Supply Chain Management for Global Competitiveness
- Re skilling the die casting Workforce for the Digital Age.

This was our first time participating in ALUCAST EXPO, and it has been an incredible experience. The footfall was impressive, and we had the opportunity to connect with many new visitors. The industry is witnessing a significant influx of new EV players, driving exponential growth in the demand for aluminium. With this rising demand, we have successfully met their customized requirements. The future looks exceptionally promising, and we would be delighted to return ALUCAST every year!

Naveen Goyat | Maxop Engineering

ALUCAST EXPO was incredible for us, with excellent footfall. As industry disruptors, we received highly positive feedback for our technology, which focuses on enhancing the productivity of die casters. The industry is brimming with opportunities, driven by growing domestic demand and the need for specialized alloys for EVs and combustion vehicles etc. This exhibition provided valuable insights into buyer requirements, reinforcing why we participate every year - it consistently attracts visitors with diverse and unique needs.

Rahul Ramchandani | Lubrikote






Jaya Hind Industries Pvt. Ltd.

(Best Foundry Award - Large Scale)

(Best Casting Award)

The background of the page is a photograph of several dark grey, cylindrical and rectangular aluminum castings stacked on a light-colored surface. The castings are arranged in a way that shows their various shapes and textures. The lighting is bright, highlighting the metallic surfaces.

ALUCAST 2024 has been fantastic, marking our second year of participation. This has been the largest expo yet, hosted at an excellent venue, and the feedback has been overwhelmingly positive. There was immense interest in sustainable lightweighting, which is the future of aluminium die casting. We engaged with numerous potential customers and suppliers, making it a truly phenomenal experience.

Srivardhan Krishnakumar | Craftsman Automation

We have been much busier than we anticipated, making this a very rewarding experience. As a supplier of Japan-made machinery, we received excellent feedback from visitors. With the aluminum casting industry in India poised for significant growth, we are excited about the promising business opportunities ahead and are already looking forward to the next ALUCAST!

Rajnish Behl | Bezel Impex Pvt. Ltd.

ALUCAST 2024 has been a fantastic experience, both in terms of the visitor turnout and the exhibition venue with its world-class infrastructure. We also had the opportunity to present a technical paper on energy-saving innovations during the conference session, and it was extremely well received.

Santhosh Kumar AS | Aganita Ventures



Rockman Industries Ltd.
(Best Foundry Award - Large Scale)

We are truly delighted to participate in ALUCAST EXPO 2024. The quality of visitors exceeded our expectations, and we are thrilled with the response to our special spraying tool, which we launched here at the expo. The exhibition was fantastic, and we were pleasantly surprised by the number of genuinely interested visitors!

Matthias Erdmann | AED Automation

With a projected CAGR of over 8.8% from 2021 to 2026, this industry demonstrates significant potential for both innovation and expansion. Aluminium die casting, known for its versatility, serves a multitude of sectors, and ALUCAST® 2024 serves as the premier industry platform uniting stakeholders under one roof.

Prasan Firodia | Force Motors & Jaya Hind Industries




DRIVING INNOVATION & TECHNOLOGY FOR GLOBAL COMPETITIVENESS



Alubee Die Casters Pvt. Ltd.

(Best Foundry Award - Medium Scale)

(Best Casting Award)



As a company in the aluminum die foundry sector preparing to venture into casting production, we are thrilled with the overwhelming response we received at ALUCAST 2024. In one word, the experience was exceptional!

Arun Kumar | Arpana Dies and Mould Industries

This marks our 4th participation at ALUCAST EXPO and we have always been happy with the experience. But this year has been something special! We have been busy with visitors all three days leaving us extremely satisfied.

Pramod Jagtap | Ganesha Solutions

ALUCAST 2024 was an incredible experience! The state-of-the-art venue, along with an impressive visitor turnout and quality, truly stood out. With the growing demand, the future looks exceptionally bright for the aluminium die-casting industry in India.

Sushil Kumar Saini | Febtech

REPORT 2024

STAY CONNECTED

Dedicated to Diecasting Industry

ALUCAST

Official Journal of Aluminium Casters' Association

Your gateway to insights driving the future of aluminium die casting



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