



DIE CASTING  
CONGRESS  
中国压铸会议

Let's Embrace the Era of  
Mega Casting

# The 18<sup>th</sup> China Die Casting Congress

March 22-24, 2023, Shangri-La Hotel Hefei

## Congress Review



— Photo Gallery —



[www.diecastexpo.cn/en/congress](http://www.diecastexpo.cn/en/congress)

# Contents

- 2023 Related Data
- Annual Recognition and Awards
- Superb Speeches Focused on Mega Casting and EV
- 3 Theme Workshops
- A Direct Communication Platform for Enterprises
- Social Activities to Expand Industry Resources
- Visit Casting Factory
- Photos of Delegates
- Multi-channel Publicity of DIE CASTING CONGRESS



## 2023 Related Data



**847** delegates participated in the congress



**27** speakers and experts were invited to share their research results and latest technologies on hot topics



**33** enterprises displayed their specific high-quality products and new achievements

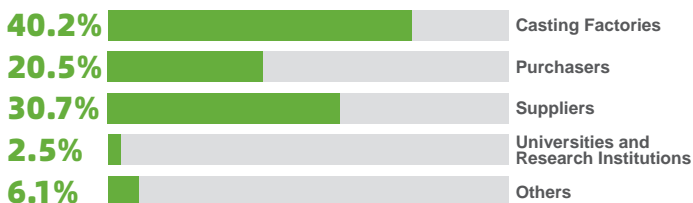


**3** industry experts shared their insights on live broadcast, and **10573** viewers watched online

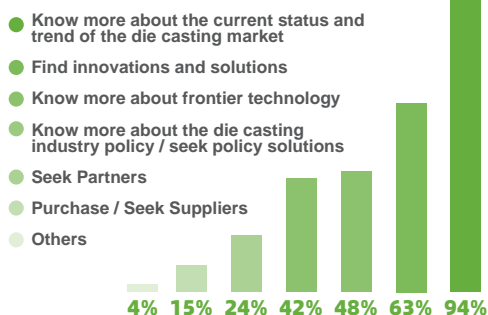


## Delegates Analysis

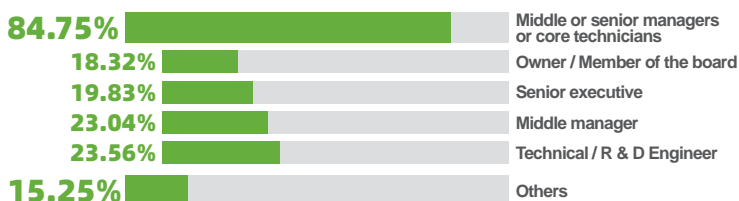
## Participant Enterprises Category



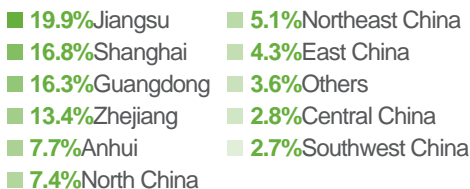
### Purpose of Delegates (Multiple choice)



## Job Functions of Delegates



## Distribution of Delegates



## Delegate Satisfaction



## Overview of Participant Enterprises



\*More delegates were invited



## Opening Ceremony



Mr. Xie Huasheng



Mr. Liu Hongchao

With the further implementation of the energy efficiency policies and the "Dual Carbon" strategy, the automotive industry has ushered in stricter fuel consumption and emission standards, which has spawned a huge EV market and a greater degree of lightweight applications, and promote the die casting towards the direction of large-scale and integration. Vehicle manufacturers, die casting factories, equipment and raw materials enterprises are promoting Mega Casting industrialization actively, a promising future is awaiting.

Once again DIE CASTING CONGRESS was successfully held in Hefei, under the theme of "EV-manufacturing Leads the Era of Mega Casting". Discussed the solutions and development direction of the die casting industry through diversified interactive activities such as technology sharing, product display, expert interview, workshop discussion, etc., to promote the high-quality development of the EV industry.

At the opening ceremony of DIE CASTING CONGRESS 2023 on March 23<sup>th</sup>, Mr. Xie Huasheng, vice president of Foundry Institution of Chinese Mechanical Engineering Society (FICMES) /chairman of Shenyang Research Institute of Foundry Co., Ltd. CAM, delivered welcome speeches. Mr. Liu Hongchao, secretary-general of FICMES presided over the opening ceremony.

# Annual Recognition and Awards

## 2022 Outstanding Contributor to Die Casting Education and Training

Wu Xinlu   Wang Yousheng   Lu Hongyuan   Zhao Lijun   Dong Xianming   Liu Zunjian  
Li Shi   Xu Guangxiang   Liu Zhentan   Li Guanghao   Zhong Gu   Liu Qiming

## Partners of DIE CASTING CONGRESS 2023

NürnbergMesse China Co., Ltd.   *Special Casting & Nonferrous Alloys*  
Zonzu Technology   Foundry Journal Agency  
Die-casting Weekly   ZHONG GUO YA ZHU

## Supporters of DIE CASTING CONGRESS 2023

JAC-NIO Advanced Manufacturing Base   FinDreams Powertran Seiko Center  
Hefei Yaming Automotive Parts Co., Ltd.   Chaohu Yian Yunhai Technology Co., Ltd.

"Awarding Ceremony for 2022 Outstanding Contributor to Die Casting Education and Training" and "Awarding Ceremony for Excellent Partners of DIE CASTING CONGRESS 2023" were held onsite.

## Supporting Agency of DIE CASTING CONGRESS 2023

L.K. Group  
Yizumi Holdings Co., Ltd.  
Ares Furnace  
Bühler (China) Machinery Manufacturing Co., Ltd.  
Italpresse Industrie (Shanghai) Co., Ltd.  
Ningbo Free Trade Zone Haitian Zhisheng Die-Casting Equipment Co., Ltd.  
V.J. Technologies (Suzhou) Co., Ltd.  
Ningbo Shuyilink Technology Co., Ltd.  
Aerospace Engineering Equipment (Suzhou) Co., Ltd.  
Guangdong Create Century Intelligent Equipment Co., Ltd.  
Ping An International Financial Leasing Co., Ltd.  
Suzhou Elkem Chemical Co., Ltd.



2022 Outstanding Contributor to Die Casting Education and Training



Awarding Ceremony for Partners of DIE CASTING CONGRESS 2023



Awarding Ceremony for Supporting Agency of DIE CASTING CONGRESS 2023



Awarding Ceremony for Supporters of DIE CASTING CONGRESS 2023



# Superb Speeches Focus on the Application and Innovation of Mega Casting and EV

Focusing on the theme "EV-manufacturing Leads the Era of Mega Casting", 20 speakers and experts were invited to share their research results and latest technologies about development and application of alloy materials, product development and integrated computational materials engineering, die casting equipment and integration technology, etc. onsite with audience by giving speeches.

## Overview of guest speakers (sort by the schedule of speakers)



Xiong Shoumei, Vice President, FICMES; Professor, Tsinghua University  
Topic: Some Thoughts on Integrated Giga Casting Technology



Wang Chenggang, Chief of R & D Department/ Professor-level Senior Engineer, FAW Foundry Co., Ltd.  
Topic: Development of Key Technologies of Integrated Die Casting Back Floor



Fang Jianru, General Manager/Professor-level Senior Engineer, Dalian Yaming Automotive Parts Co., Ltd.  
Topic: Intelligent Control and Quality Management of Die-casting Production Process Based on 5G Full Connection



Wang Junsheng, Professor, Beijing Institute of Technology  
Topic: Integrated Design of Recycled AI Battery Tray for New Energy Vehicle



Tang Rensong, GM Assistant/Senior Manager of Project Management Department, LK Technology Group Co., Ltd.  
Topic: Giga Die Casting Market & Future



Liu Huachu, Expert of Materials/New Product Introduction Department, NIO Auto  
Topic: Development & Application of Heat Treatment Free Aluminum Alloys for Extra-large High Pressure Die Castings for BIW Application



Huang Lijun, Head of the Fourth Certification Department/ Senior Engineer, China Quality Certification Center  
Topic: Influence of "Dual Carbon" Policy on Die-casting Industry



Dong Zhihua, Professor, College of Materials Science and Engineering of Chongqing University  
Topic: Development of High Performance Magnesium Alloys and High Quality Automotive Components



Zhou Dibo, Mold Design Director, Ningbo Xusheng Group Co., Ltd.  
Topic: The Development Trend of the Large Die-casting Parts Mold Design and Manufacturing



Wang Bo, Manager of YIZUMI Product & Marketing Management Department, Yizumi Holdings Co., Ltd.  
Topic: Leading LEAP Technology for Ultra-Large-Structural-Casting Applications



Xu Cheng, Director of Die Casting Process/Senior Engineer, Chongqing Millison Technology Co., Ltd.  
Topic: Critical Technical Issues for Gigapress Die Casting



Wu Xiaofeng, Director of Technology, Exquisite Automotive Systems Co., Ltd. Baoding Mould Technology Branch  
Topic: Intelligent Design and Future Development of Large Die-casting Die





Lu Hongyuan, General Consultant/Professor, Bühler (China) Machinery Manufacturing Co., Ltd.  
Topic: Opportunities and Challenges of Megacasting



Wang Xin, Casting Technology Design Engineer, Chongqing Changan Automobile Company Limited  
Topic: Intelligent Manufacturing Practice of Changan Foundry



Li Yangxin, Associate Professor, Shanghai Jiao Tong University  
Topic: Approaching A High-strength Stainless Magnesium Alloy



Zhu Yu, Technical Manager of Casting and Forging Process, SAIC General Motors Corporation Limited  
Topic: Initiatives for Sustainability Development of Casting Supply Chain



Feng Zhaoyou, VP Sales OEM Aluminium AP, Norican Group  
Topic: Application of High Pressure Die Casting Process for EV Structural Parts



Zhou Lianjun, Senior Application Expert, Ningbo Free Trade Zone Haitian Zhisheng Die-Casting Equipment Co., Ltd.  
Topic: Viewpoint and Scheme of Megacasting



Zhou Xiangyu, Technical Director, TZMC  
Topic: Research on Design and Manufacturing Technology of Large Magnesium Alloy Structural Parts Mold



Liu Zhiguo, COO, Ningbo Zonzu Info Tech Co., Ltd.  
Topic: Discussion on the Diversity of the Application Field of Die Castings



Dong Xianming, Expert, Foundry Institution of Chinese Mechanical Engineering Society



Liu Zunjian, Chief Engineer, Suzhou Union Precision Metal Products Co., Ltd.



Liu Jiguang, Professor, Hefei University of Technology



Wang Zezhong, Director of Quality Verification Center, Technical Center of Dongfeng Motor Group Co., Ltd.



Xu Yiwu, Casting Specialist and Red X Master, General Motors (China) Investment Co, Ltd.



Liu Qiming, Expert, FICMES; Operations Manager, MAGMA Engineering (Suzhou) Co., Ltd. Ningbo Branch

## Overview of guest speakers

(sort by the schedule of speakers)

## 3 Theme Workshops

### Discuss Topics in Detail

3 theme workshops were held by the organizer focusing on hot and difficult topics in detail areas during the congress, to provide die casting professionals with a more professional and interactive communication platform.

#### Workshop on Forming and X-ray Inspection Process for Al Alloy Lightweight Casting Parts

This workshop is held by the organizer and VJ Technologies focusing on topics about Forming and X-ray Inspection Process for Al Alloy Lightweight Casting Parts, the participants shared their ideas and expressed their opinions freely, most of the delegates thought it was worth attending.

Joint organizer: **VJTechnologies** 



**Speaker: Li Xun**

China Sr. Sales Manager,  
VJ Technologies (Suzhou)  
Co., Ltd.



Supporter:

**YIZUMI**

#### Auto-foundry Club Activities (Hefei)

This workshop discussed hot topics in the automotive lightweight, new energy vehicles, mega casting, etc. The participants gave high recognition and praise to this event and expressed that they were full of longing for the club's future development.

##### Panel discussion experts



**Wang Junsheng**

Professor, Beijing  
Institute of Technology



**Gao Junmin**

Director/ Deputy General  
Manager, Wencan Group  
Co., Ltd.



**Liu Huachu**

Expert of Materials/New  
Product Introduction  
Department, NIO Auto

#### Workshop on Analyzing Casting Defect Solution

2 experienced experts were invited to analyze the defects of castings and provide one-to-one technical answers for mold design, product development, production process, product defects, etc. Most delegates mentioned that they gained a lot.

##### Die Casting Expert:



**Zhao Lijun**

Expert, FICMES;  
Technical Consultant,  
Zonzu Technology



**Zhang Jueyong**

Technical Consultant,  
Zonzu Technology



Supporter:  **中铸科技**  
www.zonzu.cn



# A Direct Communication Platform for Enterprises and Accelerating Industry Development

## Recommended Brands & Products Display

"Recommended Brands & Products Display" was held on site concurrently with DIE CASTING CONGRESS, to enhance the promotion of latest technologies and research results effectively, and stimulate the enterprise's creative vitality. 33 enterprises or institutions participated in this activity.



## Live Broadcast of Interview——Dialogue with Industry Experts

Die-Casting Weekly and Zonzu Technology were invited by the organizer to interview exhibitors of "Recommended Brands & Products Display", and dialogue with 3 experts and executives of well-known enterprises and broadcast their deep insights on industry's sore points and trends to the audience. 10573 viewers watched online.



Video

### Interviewer

Zeng Weili, Chief  
Information Officer,  
Die-casting Weekly



Luo Yuyin, CEO, Guangdong  
Create Century Intelligent  
Equipment Co., Ltd.



Yang Jianning,  
General Manager,  
Ares Furnace



Qu Xueliang, Standing Director,  
Foundry Institution of Chinese  
Mechanical Engineering Society



## Social Activities to Expand Industry Resources

### "YIZUMI Night" Elite Party



### "L.K. Night" Reception Dinner



## Visit Hefei Casting Factory

On March 24<sup>th</sup> delegates visited FinDreams Powertran Seiko Center, Hefei Yaming Automotive Parts Co., Ltd., Yunhai Chaochu Lightweight Manufacturing Base.

FinDreams Powertran Seiko Center



Hefei Yaming Automotive Parts Co., Ltd.



Yunhai Chaochu Lightweight Manufacturing Base



Yunhai Chaochu Lightweight Manufacturing Base







Photos of  
Delegates



Photos of Delegates



# Multi-channel Publicity of DIE CASTING CONGRESS

DIE CASTING CONGRESS was reported through WeChat, the website, Magazines, and other channels by a lot of media. Thanks to the following media for their support: *CHINA FOUNDRY*, *FOUNDRY*, *Die-casting weekly*, *Zonzu Technology*, *SPECIAL CASTING & NONFERROUS ALLOYS*, *DIE-CASTING, FOUNDRY WORLD REPORT*, *ZHONG GUO YA ZHU*, *Die Casting Newspaper*, *Foundry-Suppliers.Com*, *Gasgoo*, *Shanghai Metals Market(SMM)*.



## Many Participant Enterprises Reported the Congress





# Special Thanks to

## Strategy Partner



## Diamond Sponsors

**YIZUMI**



阿瑞斯工业炉  
ARES FURNACE

## Platinum Sponsors



**IPG**  
ItalPresseGauss  
A Norian Technology



## Golden Sponsors

**VJTechnologies**

**SHUYILINK**



航天工程装备(苏州)有限公司  
Aerospace Engineering Equipment (Suzhou) Co., Ltd.

**CE** 创世纪集团  
GENESIS GROUP

## Silver Sponsors

**平安租赁**

**ELKEM**<sup>®</sup>  
AMERICLUBE

## Exhibitors



## Sponsors

Chinese Mechanical Engineering Society  
Die Casting Commission of the World Foundry Organization  
China Foundry Productivity Promotion Center

## Organizers

Foundry Institution of Chinese Mechanical Engineering Society  
National Key Laboratory of Advanced Casting Technologies  
Shenyang Zhongzhu Foundry Productivity Promotion Center Co., Ltd.  
Shenyang Research Institute of Foundry Co., Ltd. CAM  
Public Service Platform for the Industrialization of Innovative Achievements in Equipment Key Part Casting

## Co-organizers

NürnbergMesse China Co., Ltd.  
Zonzu Technology  
Die-casting Weekly  
Japan Keikinzoku Tsushin AI Co., Ltd.  
National Technical Committee 54 on Foundry of Administration (SAC/TC54) of China  
CHINA FOUNDRY  
FOUNDRY  
Special Casting & Nonferrous Alloys

## Supporting Partners

JAC-NIO Advanced Manufacturing Base  
FinDreams Powertran Seiko Center  
Hefei Yaming Automotive Parts Co., Ltd.  
Chaohu Yian Yunhai Technology Co., Ltd.

## Contact Us

Foundry Institution of Chinese Mechanical Engineering Society  
You Yi (Ms.)  
+86 24 25855793  
youyi@foundrynations.com  
Gillian Li (Ms.)  
+86 24 25852311 -203  
lmt@foundrynations.com