



DIE CASTING
CONGRESS
中国压铸会议

LET'S MEET CHALLENGES OF
LARGE DIE CASTING



Review of
2021

The 17th China Die Casting Congress

March 23-25, 2022, Radisson Blu Plaza Chongqing

Congress Theme

**Large Single-piece Die Casting Leads Technological
Innovation and Industrial Development**

"Large single-piece die casting process" stands out because of its advantages in lightweight, environmental protection, cost-effective and others, which brings great technological change to die casting industry. In the future, with the expanding application of large single-piece die casting, it is expected to replace the traditional stamping and welding process. At the same time, die casting continues to expand in emerging application fields such as 5G, medical, building formwork and intelligent. A promising future is expected.

China Die Casting Congress (DIE CASTING CONGRESS), an in-depth communication platform since 1997 which discusses the latest technology trends and market dynamics in the die casting industry, and shares the latest research results. DIE CASTING CONGRESS 2022 maintains a high level of professionalism and provides die casting professionals with industry trend analysis, core technology discussion, and invaluable opportunity to network and exchange ideas.

Guided by

Chongqing Economic and Information Commission

Organized by

Foundry Institution of Chinese Mechanical Engineering
Society State Key Laboratory of Light Alloy Casting
Technology for High end Equipment
Shenyang Zhongzhu Foundry Productivity Promotion
Center Co., Ltd.

Co-organized by

NürnbergMesse China Co., Ltd.
Zonzu Technology
Die-casting Weekly
Japan Keikinzoku Tsushin AI Co., Ltd.
CHINA FOUNDRY

Sponsored by

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

Joint Organized by

Chongqing Foundry Association
Foundry Institution of Chongqing Mechanical Engineering Society

National Technical Committee 54 on Foundry of Administration of China
FOUNDRY
Special Casting & Nonferrous Alloys
Fujian Engineering Research Center of Advanced Forming Technology
for High Performance Aluminum Alloy

DIE CASTING CONGRESS Highlights



1 Focus on the Die Casting Policy, Trend and Market

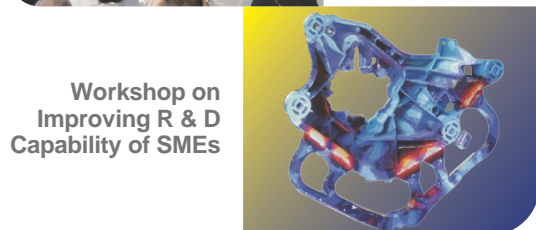
- Impact of Carbon Trading on Die Casting Industry
- Overview of Die Casting Technology and Market Development
- Personnel Training in Die Casting Industry
- Annual Data Release of Die Casting Industry

3 Theme Workshop — Discuss Hot Topics Together

Three "theme workshops" will be set up at the DIE CASTING CONGRESS site to deeply discuss hot and painful topics in the industry.



Auto-foundry Club Activities (Chongqing)



Workshop on Improving R & D Capability of SMEs



Workshop on Analyzing Casting Defect Solution

5 Specific High Quality Products Display

"Specific High Quality Products Display Area" will be set up at the DIE CASTING CONGRESS site, to help the enterprises promote their achievements and technologies effectively, and stimulate their innovation energy.

2 Large Single-piece Die Casting Leads Technological Innovation

- Product Development and Integrated Computational Materials Engineering
- Development and Application of Alloy Material
- High-end Mould Making Technology
- Advanced Processes and Innovative Technology
- Intelligent Manufacturing and Lean Management
- Die Casting Equipment and Integration Technology

4 Dialogue with Industry Experts for Strategic Insights



The organizer will invite senior media "Die-Casting Weekly" to interview industry experts in the form of online live broadcast, to deep explore the industry's pain points and trends.

6 Social Activities to Expand Industry Resources

- Die Casting Elite Party



- Reception Dinner



7 Visit Chongqing Casting Factory

- Line 1: Chongqing Changan Automobile Co., Ltd. — Engine Casting Workshop
- Line 2: Chongqing Millison Technology Co., Ltd.



Technical Speech Topics



Development and Application of Alloy Material

- **Development of Non-heat Treated Die Casting Al Alloys for Automobile Structure and Its Application in Shock Tower**
Xiong Shoumei, Vice President, Foundry Institution of Chinese Mechanical Engineering Society / Professor, Tsinghua University
- **Microstructure Identification and Mechanical Properties Prediction of Pressure-Die-Casting Al-Mg-Si Alloys Based on Machine Learning Methods**
Wang Xingchen, Postdoc, Shanghai Jiaotong University
- **Application of Non-heat Treated High Strength and Toughness Al Alloys in Automobile Structure**
Yuan Lingyang, Postdoc, Light Alloy Net Forming National Engineering Research Center-LAF-NERC

Focus on the Die Casting Policy, Trend and Market

- **Sustainable Development of Foundry Supply Chain**
Zhu Yu, Technical Manager, SAIC General Motors Corporation Limited
- **Die-Casting Industry Big Data Release**
Liu Zhiguo, COO, Ningbo Zonzu Info Tech Co., Ltd.
- **Opportunities and Challenges for the Development of Die Casting Industry Under the Trend of Giant Die Castings**
James Li, Co-Chief Analyst of CITIC Securities Machinery Industry, CITIC Securities Co., Ltd.
- **Sustainability and Casting Vision for the Future**
Gary Hughes, Head of New Product Introduction Department, NIO

Die Casting Equipment and Integration Technology

- **Application of Large Die Casting Cell in New Energy Vehicles**
Qian Yong, Project Manager, LK Group
- **Planning Schemes and Layout of Super Large 2-platen Die-casting Cell**
Lu Hongyuan, General Consultant, Buhler (China) Machinery Manufacturing Co., Ltd.
- **Latest Progress and Future Development Trend of Intelligent Super Large Integrated Die Casting**
Wang Bo, Manager of YIZUMI Product & Marketing Management Department, Guangdong Yizumi Precision Machinery Co., Ltd.

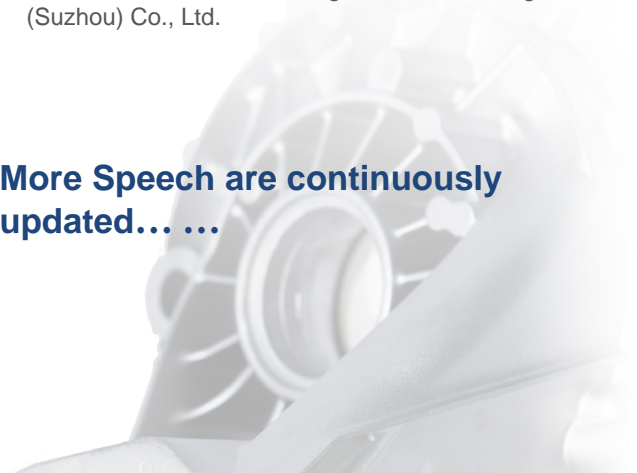
Product Development and Integrated Computational Materials Engineering

- **Key Technologies and Development Trend of Super Large Integrated Die Casting Products**
Deng Weigong, Vice President, Foundry Institution of Chinese Mechanical Engineering Society; Chairman / Party Secretary, FAW Foundry Co., Ltd.
- **Integrated Design and Application of High Strength and Toughness Al Alloy Vacuum Die Casting**
Zhou Zhiming, Vice President, Chongqing University of Technology
- **Difficulties and Solutions of Large Integrated Die Casting Technology**
Peng Liang, Lightweight Process Manager, Schaeffler Trading (Shanghai) Co., Ltd.
- **Lightweight Development Technology for Integrated Die Casting**
Li Hutian, Chief Engineer of Chinaclo Group, Chinaclo Materials Application Research Institute

Advanced Processes and Innovative Technology

- **The Study and Develop of Changan Auto Lower Body Integrated Die Casting**
Lin Zhaofu, Manager of Casting Process Design Institute, Chongqing Changan Automobile Co., Ltd.
- **Application of Semi-solid Technology in Large-scale Thin-walled Die-casting with High Thermal Conductivity**
Zhan Liang, General Manager, China Academy of Machinery Science & Technology (Jiang Le) Institute of Semi-solid Metal Technology Co., Ltd.
- **Intelligent Application of High Pressure Die Casting Process for Structural Parts**
Matt Yang, Die Casting Process Technical Manager, Italpresse Industrie (Shanghai) Co., Ltd.
- **Application of Advanced X-ray Inspection Technology in Automobile Die Casting Industry**
Kevin Li, Senior Sales Manager, V.J. Technologies (Suzhou) Co., Ltd.

More Speech are continuously updated... ..



Congress Agenda

Date	Time	Type
March 23, 2022	14:00-18:00	On-site Registration
March 24, 2022	09:00-09:30	Opening Ceremony
	09:30-17:40	Technical Speech
	09:00-18:30	High Quality Products Display
	18:30-20:30	Welcome Dinner
	08:50-11:30	Technical Speech
March 25, 2022	08:50-11:30	High Quality Products Display
	12:30-16:30	Factory Visit
	16:30-18:30	Theme Workshop
	18:30-20:00	Buffet Dinner

*The above is the preliminary agenda of the conference. Please refer to the final agenda.

Registration

Registration and Payment Time	Delegate	Fee (RMB)
Pre-registration Before March 15, 2022	Regular Delegate	2,000 / Delegate
	Purchasers/Casting Factories	1,700 / Delegate
	Member Units	1,700 / Delegate
On-site Registration After March 15, 2022	All Delegates	2,500 / Delegate

Benefits for Delegates:

- * The cost includes: 2 days technical sessions, tea breaks, lunches, dinner, conference gift and materials
- * Register and pay before March 15, Enjoy buy 5 get 1 free
- * **This cost does not include factory visit fee**

VIP Package

Offer 2 nights hotel accommodation, free shuttles to airport or train station, front seat during the DIE CASTING CONGRESS, VIP seat for dinner.

Only accept registration and pay before February 28, not enjoy the benefits of buy 5 get 1

Factory Visit

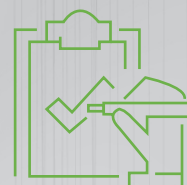
Deadline: March 15, 2022

100 / Delegate

Line 1: Chongqing Changan Automobile Co., Ltd. , Engine Casting Workshop **Available**

Line 2: Chongqing Millison Technology Co., Ltd. **Full**

* **Max. 50 delegates each line. The reservation will be valid only after payment is received.**



Contact for Registration

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