



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

July 27-29, 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

Sponsored by

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

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.
Public Service Platform for the Industrialization of Innovative
Achievements in Equipment Key Part Casting

Joint Organized by

Chongqing Foundry Association
Foundry Institution of Chongqing Mechanical Engineering Society

Co-organized by

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

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

3 Theme Workshops — 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

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.
- Line 3: Chongqing Shunduoli Motor-Vehicle Co., Ltd.



5 Recommended Brands & Products

"Recommended Brands & 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.

Technical Speech Topics



- **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
- **New Energy, New Trend, New Breakthrough, New Business Forms**
Deng Weigong, Vice President, Foundry Institution of Chinese Mechanical Engineering Society; Chairman / Party Secretary, FAW Foundry Co., Ltd.
- **The Study and Develop of Changan Auto Lower Body Integrated Die Casting**
Li Haoru, Senior Engineer, Changan Automobile Co., Ltd.
- **Application and Future Trend of Super-large Die-casting Machine in the Field of New Energy Vehicles**
Qian Yong, Project Manager, LK TECHNOLOGY HOLDINGS LIMITED
- **Sustainability and Casting Vision for the Future**
Gary Hughes, Head of New Product Introduction (Engineering), NIO
- **One Generation Material, One Generation BIW**
Logan Kang, Material Expert, Human Horizons Operation Center (Shanghai)
- **Initiatives for Sustainability Development of Casting Supply Chain**
Rick Zhu, Technical Manager of Casting and Forging Process, SAIC General Motors Corporation Limited
- **Status and Trend of Smart Ultra-large Die-casting**
Larry Wang, Manager of YIZUMI Product & Marketing Management Department, Guangdong Yizumi Precision Machinery Co., Ltd.
- **Super Large Die Casting Mold Design and Intelligent Manufacturing**
Johnson, General Manager, Chongqing Guangcheng Tooling Co., Ltd.
- **Difficulties and Solutions of Large Integrated Die Casting Technology**
Peng Liang, Lightweight Process Manager, Schaeffler Trading (Shanghai) Co., Ltd.
- **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
- **Application of Advanced X-ray Inspection Technology in Automobile Die Casting Industry**
Kevin Li, Senior Sales Manager, V.J. Technologies (Suzhou) Co., Ltd.
- **Integrated Design and Application of High Strength and Toughness Vacuum Die Casting Al Alloy**
Zhou Zhiming, Vice President, School of Materials Science and Engineering, Chongqing University of Technology
- **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.
- **Planning Schemes and Layout of Super Large 2-platen Die-casting Cell**
Lu Hongyuan, General Consultant, Buhler (China) Machinery Manufacturing Co., Ltd.
- **Microstructure Identification and Mechanical Properties Prediction of Pressure-Die-Casting Al-Mg-Si Alloys Based on Machine Learning Methods**
Wang Xingchen, Postdoctor, Shanghai Jiaotong University
- **Lightweighting Integrated Development Technology for Integrated High Pressure Die Casting**
Li Hutian, Chief Engineer, Chinalco Materials Application Research Institute 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 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.
- **Die-Casting Industry Big Data Release**
Liu Zhiguo, COO, Ningbo Zonzu Info Tech Co., Ltd.

More speeches are continuously updated... ..



Congress Agenda

| Date | Time | Type |
|---------------|---------------|---------------------------------------|
| July 27, 2022 | 14:00-18:00 | On-site Registration |
| July 28, 2022 | 09:00-09:30 | Opening Ceremony |
| | 09:30-17:40 | Technical Session |
| | 09:00-18:30 | Recommended Brands & Products Display |
| | 18:30-20:30 | Welcome Dinner |
| | July 29, 2022 | 08:50-11:30 |
| 08:50-11:30 | | Recommended Brands & Products Display |
| 12:30-16:30 | | Factory Visit |
| 16:30-18:30 | | Theme Workshops |
| 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 July 20, 2022 | Regular Delegate | 2,000 / Delegate |
| | Purchasers/Casting Factories | 1,700 / Delegate |
| | Member Units | 1,700 / Delegate |
| On-site Registration After July 20, 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 July 20, enjoy buy 5 get 1 free
- * **This cost does not include factory visit or accommodation**

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.

4,800 / Delegate
Only accept registration and pay before June 30, not enjoy the benefits of buy 5 get 1

Factory Visit

Deadline: July 20, 2022

100 / Delegate

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

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

Line 3: Chongqing Shunduoli Motor-Vehicle Co., Ltd. **Available**

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



Contact for Registration

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