



DIE CASTING  
CONGRESS  
中国压铸会议

LET'S MEET CHALLENGES OF  
**LARGE DIE CASTING**



Review of  
**2021**

# The 17<sup>th</sup> China Die Casting Congress

## May, 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 Keikin-zoku 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.





## 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 Chinacllo Group, Chinacllo 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... ..

