



DIE CASTING
CONGRESS
中国压铸会议

**Let's Meet Challenges of
Mega Casting**

The 17th China Die Casting Congress

July 27-29, 2022, Radisson Blu Plaza Chongqing

Congress Review

www.diecastexpo.cn/en/congress | 



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Related Data **2022**



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



26 enterprises displayed their specific high-quality products and new achievements



5 industry experts shared their insights on live broadcast, and **8459** viewers watched online



640 delegates participated in the congress

Opening Ceremony



Mr. Zhang Gening



Mr. Lou Yanchun



Mr. Liu Hongchao

Mega casting stands out because of its advantages in lightweight, environmental protection, cost-effectiveness, and others. Mega casting brings great technological change to the 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 industry. A promising future is awaiting.

Once again DIE CASTING CONGRESS was successfully held in Chongqing. Under the theme of "Mega Casting Leads Technological Innovation and Industrial Development", the congress discussed the latest technology trends and market dynamics in the die casting industry, shared the latest research results, and showcased specific high-quality products.

At the opening ceremony of DIE CASTING CONGRESS 2022 on July 28th, Mr. Zhang Gening, director of Equipment Industry Division of Chongqing Economic and Information Commission, and Mr. Lou Yanchun, chairman of World Foundry Organization Executive Commission/ president of Foundry Institution of Chinese Mechanical Engineering Society (FICMES) / deputy general manager of China Academy of Machinery Science & Technology Group Co., Ltd., delivered welcome speeches. Mr. Liu Hongchao, secretary-general of FICMES presided over the opening ceremony.



DIE CASTING
CONGRESS
中国压铸会议
见证大压铸变革

2022年全国压铸行业年会
——第十七届中国国际压铸会议
The 17th China Die Casting Congress

开幕仪式 Opening Ceremony

2022年7月28日 中国·重庆
July 28, 2022 Chongqing, China

指导单位
重庆市经济和信息化委员会

主办单位
中国机械工程学会
世界铸造组织 (WFO) 压铸委员会
铸造行业生产力促进中心

承办单位
中国机械工程学会铸造分会
高端装备轻量化铸造技术国家重点实验室
沈阳中铸生产力促进中心有限公司
装备制造企业关键零部件铸造领域创新成果
产业化公共服务平台

联合承办
重庆铸造行业协会
重庆市机械工程学会铸造分会

支持单位
广东伊之密压铸

白金赞助商
东睦 (中国) 机械制造有限公司
重庆微智压铸设备 (上海) 有限公司
伟杰科技 (苏州) 有限公司

金赞助商
广东世纪智能装备集团股份有限公司

协办单位
旭位贵金属 (上海) 有限公司

中国科技
(压铸周刊) 传媒
株式会社轻金属技术 AL 社
全国铸造标准化技术委员会 (SAC/TC34)
(CHINA FOUNDRY)
(铸造) 杂志
(特种铸造及有色合金) 杂志
福建省高性能铝合金先进成形工程研究中心

Annual Recognition and Awards

"Appointment Ceremony for New Members of WFO Die Casting Commission", "Awarding Ceremony for Die Casting Professionals Continuing Education Base (Chongqing) ", "Awarding Ceremony for 2022 Outstanding Contributor to Die Casting Education and Training" and "Awarding Ceremony for Excellent Partners of DIE CASTING CONGRESS 2022" were held onsite.

New Members of WFO Die Casting Commission

Chairman

Dr. Peng Liming, Shanghai JiaoTong University (China)

Secretary

Ms. Bao Linlin, Foundry Institution of Chinese Mechanical Engineering Society (China)

Working member

Mr. Zhang Xiaoyan, Ningbo Die & Mould Industry Association (China)

Dr. Fang Jianru, Dalian Yaming Automotive Parts Co., Ltd. (China)

Mr. Gary Arthur Hughes, NIO (UK)

Mr. Mathias Manser, Bühler Die Casting (Switzerland)

Dr. Mike Luu, Vietnam Foundry Association (Vietnam)

Mr. Rungkamchorn Wannasai, Kinzoku Precision Company (Thailand)

Mr. Emonts Manfred Claude Jean, Manfred Automation (China) Co.,Ltd. (Germany)

Mr. Steffen Dekoj, Georg Fischer Automotive (Suzhou) Co Ltd., China (Germany)

Dr. Moritz Rudolf Martin Weidt, MAGMA Engineering (Suzhou) Ltd. (Germany)

Mr. Ingo Kraus, BMW China Service Ltd. (Germany)

Dr. Makoto Yoshida, Waseda University (Japan)

Mr. Toru Komazaki, Ryobi Limited (Japan)

Supporting Agency of DIE CASTING CONGRESS 2022

L.K. Technology Holdings Limited

Guangdong Yizumi Precision Machinery Co., Ltd.

Bühler (China) Machinery Manufacturing Co., Ltd.

Italtipresse Industrie (Shanghai) Co.,Ltd.

VJ Technologies (Suzhou) Co., Ltd.

Guangdong Chuangshi Intelligent Equipment Group Co., Ltd.

Supporters of DIE CASTING CONGRESS 2022

Chongqing Millison Technology Co., Ltd.

Chongqing Changan Automobile Co., Ltd.

Chongqing Shunduoli Motor-Vehicle Co., Ltd.

Partners of DIE CASTING CONGRESS 2022

Chongqing Foundry Association

Foundry Institution of Chongqing Mechanical Engineering Society

NürnbergMesse China Co., Ltd.

Zonzu Technology

Die-casting Weekly

Foundry Journal Agency

Special Casting & Nonferrous Alloys

ZHONG GUO YA ZHU

2022 Outstanding Contributor to Die Casting Education and Training

Dong Xianming

Zhong Gu

Li Guanghao

Liu Zunjian

Lu Hongyuan

Zhao Lijun

Xu Guangxiang

Wu Xinlu



Appointment Ceremony for New Members of WFO Die Casting Commission



Awarding Ceremony for Die Casting Professionals Continuing Education Base



2022 Outstanding Contributor to Die Casting Education and Training



Awarding Ceremony for Supporting Agency of DIE CASTING CONGRESS 2022



Awarding Ceremony for Supporters of DIE CASTING CONGRESS 2022



Awarding Ceremony for Partners of DIE CASTING CONGRESS 2022

Delegates Analysis

Delegate Satisfaction



98%

delegates considered that the topics were good or excellent



95%

delegates were satisfied with the speech quality



94%

delegates considered that the service quality was good or excellent.



92%

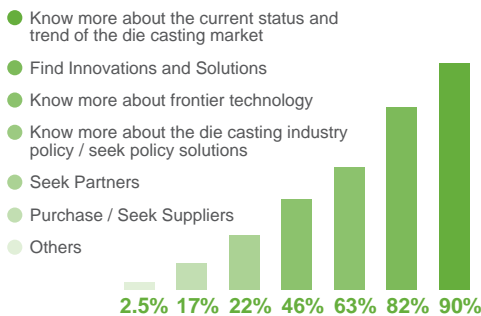
delegates were satisfied with the "Recommended Brands & Products Display"



90%

delegates were satisfied with the factory visit

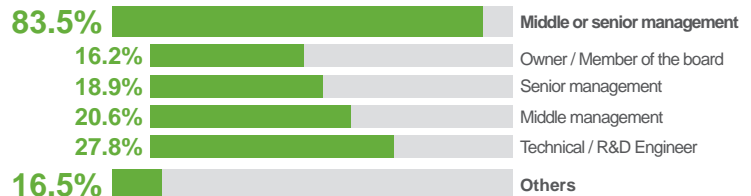
Purpose of Delegates (Multiple choice)



Participant Enterprises Category



Job Functions of Delegates



Distribution of Delegates



Overview of Participant Enterprises



※More delegates were invited



Focusing on the theme "Mega Casting Leads Technological Innovation and Industrial Development", 25 speakers and experts were invited to share their research results and latest technologies about new materials, processes, equipment, products, etc. onsite with audience by giving speeches or panel discussion.

Superb Speeches Focused on Mega Casting

Discussed Latest Technologies

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



Speaker
Xiong Shoumei, Vice President, Foundry Institution of Chinese Mechanical Engineering Society; Professor, Tsinghua University
Topic: Development of Non-heat Treated Die Casting Al Alloys for Automobile Structure and Its Application in Shock Tower



Speaker
Deng Weigong, Vice President, Foundry Institution of Chinese Mechanical Engineering Society; Chairman / Party Secretary, FAW Foundry Co., Ltd.
Topic: New Energy, New Trend, New Breakthrough, New Business Forms



Speaker
Li Haoru, Senior Engineer, Changan Automobile Co., Ltd.
Topic: The Study and Develop of Changan Auto Lower Body Integrated Die Casting



Speaker
Qian Yong, Project Manager, LK TECHNOLOGY HOLDINGS LIMITED
Topic: Application and Future Trend of Super-large Die-casting Machine in the Field of New Energy Vehicles



Speaker
Gary Arthur Hughes, Head of New Product Introduction (Engineering), NIO
Topic: Sustainability and Casting Vision for the Future



Speaker
Kang Liugen, Material Expert, Human Horizons Operation Center (Shanghai)
Topic: One Generation Material, One Generation BIW



Speaker
Chen Yuzeng, Deputy Director/Professor, State Key Laboratory Solidification Processing, Northwestern Polytechnical University
Topic: Hot-work Tool Steels for Additive Manufacturing and Manufacture of Die Inserts Consisting of Conformal Cooling Channels



Speaker
Wang Bo, Manager of YIZUMI Product & Marketing Management Department, Guangdong Yizumi Precision Machinery Co., Ltd.
Topic: Status and Trend of Smart Ultra-large Die-casting

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



Speaker
Zhou Chengguang, General Manager, Chongqing Guangcheng Tooling Co., Ltd.
Topic: Super Large Die Casting Mold Design and Intelligent Manufacturing



Speaker
Peng Liang, Lightweight Process Manager, Schaeffler Trading (Shanghai) Co., Ltd.
Topic: Difficulties and Solutions of Large Integrated Die Casting Technology
※Online speaker



Speaker
Yuan Lingyang, Postdoc, Light Alloy Net Forming National Engineering Research Center-LAF-NERC
Topic: Application of Non-heat Treated High Strength and Toughness Al Alloys in Automobile Structure



Speaker
Li Xun, Senior Sales Manager, V.J. Technologies (Suzhou) Co., Ltd.
Topic: Application of Advanced X-ray Inspection Technology in Automobile Die Casting Industry



Speaker
Zhou Zhiming, Vice President, School of Materials Science and Engineering, Chongqing University of Technology
Topic: Integrated Design and Application of High Strength and Toughness Vacuum Die Casting Al Alloy



Speaker
Li Yue, Co-Chief Analyst of CITIC Securities Machinery Industry, CITIC Securities Co., Ltd.
Topic: Opportunities and Challenges for the Development of Die Casting Industry under the Trend of Giant Die Castings



Speaker
Lu Hongyuan, General Consultant, Bühler (China) Machinery Manufacturing Co., Ltd.
Topic: Planning Schemes and Layout of Super Large 2-platen Die-casting Cell



Speaker
Wang Xingchen, Postdoctor, Shanghai Jiaotong University
Topic: Microstructure Identification and Mechanical Properties Prediction of Pressure-Die-Casting Al-Mg-Si Alloys Based on Machine Learning Methods



Speaker
Li Hutian, Chief Engineer, Chinalco Materials Application Research Institute Co., Ltd.
Topic: Lightweighting Integrated Development Technology for Integrated High Pressure Die Casting



Speaker
Yang Weixue, Die Casting Process Technical Manager, Italpresse Industrie (Shanghai) Co., Ltd.
Topic: Intelligent Application of High Pressure Die Casting Process for Structural Parts



Speaker
Zhang Chunming, Vice General Manager, China Academy of Machinery Science & Technology (Jiang Le) Institute of Semi-solid Metal Technology Co., Ltd.
Topic: Application of Semi-solid Technology in Large-scale Thin-walled Die-casting with High Thermal Conductivity



Speaker
Liu Zhiguo, COO, Ningbo Zonzu Info Tech Co., Ltd.
Topic: Die-Casting Industry Big Data Release



Moderator
Fang Jianru, General Manager, Dalian Yaming Automotive Parts Co., Ltd.



Moderator
Ma Shunlong, Deputy General Manager, FAW Foundry Co., Ltd.



Moderator
Xu Cheng, Die Casting Process Director, Chongqing Millison Technology Co., Ltd.



Moderator
Wang Zezhong, Chief Engineer, Technical Center of Dongfeng Motor Group Co., Ltd.



Moderator
Zhao Jianhua, Chongqing University; Secretary-general, Foundry Institution of Chongqing Mechanical Engineering Society

3 Theme Workshops

Interact with Experts and Spark New Ideas

As a new kind of onsite activity of DIE CASTING CONGRESS, theme workshops were held by the organizer focusing on three hot and difficult topics during the congress, to provide die casting professionals with a more professional and interactive communication platform.

Auto-foundry Club Activities (Chongqing)

Auto-foundry Club is a learning organization that gathers automobile casting elites. It was set up by FICMES in Feb 2022 and holds activities regularly. This time, the speaker discussed the theme "Interpretation and Countermeasures of Dual Carbon Policy in Automobile Industry" with delegates. The participants gave high recognition and praise to this event and expressed that they were full of longing for the club's future development and next activity.

Speaker: Jiang Wen

Senior Engineer

Chengdu Vehicle Environmental Protection Technology Co., Ltd.



Supporter: **YIZUMI** 伊之密



Speaker: Jack Liu

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



Workshop on Improving R&D Capability of SMEs

For common problems existing in SMEs, the speakers offered effective methods and shared practice cases such as process improvement, computer simulation, etc. to help SMEs to enhance their competition ability. The participants were divided into groups to discuss the topics deeply.

Speaker: Sun Jingying

Young Expert, FICMES; General Manager, Shenyang Wesszin Tech Ltd.



Workshop on Solution and Analysis of Casting Defects

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.

Supporter:  **中铸科技**
www.zonzu.cn

Die Casting Expert: Zhao Lijun

Distinguished Expert, FICMES; Consultant, Zonzu Technology



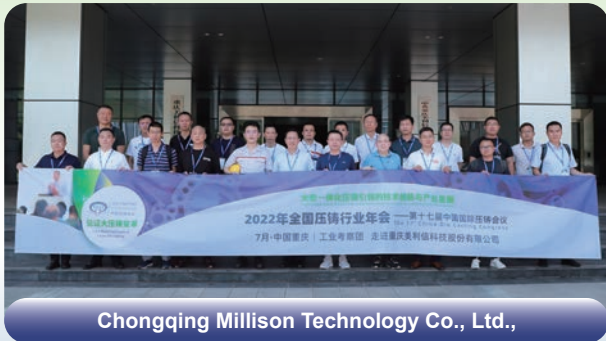
Die Casting Expert: Gong Yuanhua

Consultant, Zonzu Technology



Visit Chongqing Casting Factory

On July 29th delegates visited Chongqing Millison Technology Co., Ltd., Chongqing Changan Automobile Co., Ltd., and Chongqing Shunduoli Motor-Vehicle Co., Ltd.



Chongqing Millison Technology Co., Ltd.,



Chongqing Shunduoli Motor-Vehicle Co., Ltd.



Chongqing Changan Automobile Co., Ltd.

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. 26 enterprises or institutions participated in this activity.



零件长期大批量生产问题的首选方案。



Interview Exhibitors at Display Area

Live Broadcast of Interview

Dialogue with Executives of Well-known Enterprises

Die-casting Weekly and Zonzu Technology were invited by the organizer to interview **26** exhibitors of "Recommended Brands & Products Display", and **5** executives of well-known enterprises. Their deep insights on industry's sore points and trends were broadcasted to the entire industry. **8459** viewers watched online.



Jiang Hanjin, Vice President, Chongqing Millison Technology Co., Ltd.



Xie Hongquan, General Manager, Second Production Base of Chongqing Yujiang Die Casting Co., Ltd.



Zhang Shuai, Marketing Project Director, Guangdong Chuangshi Intelligent Equipment Group Co., Ltd.



Zeng Weili, Chief Information Officer, Die-casting Weekly



Wang Ding, Assistant General Manager, IDRA CHINA



Zhou Jiqun, Chairman, Chongqing Shunduoli Motor-Vehicle Co., Ltd.



见证大压铸变革
Let's Meet Challenges of Large Die Casting

对话行业专家 - 直播间 -

联合出品  压铸周刊 赞助单位 

DIE CASTING CONGRESS Expert Committee and Industry Support

For a better DIE CASTING CONGRESS, the Foundry Institution of Chinese Mechanical Engineering Society (FICMES) has set up a professional expert committee team. The expert committee consists of over 20 experts and 2 chairmen: Xiong Shoumei, professor of Tsinghua University, and Deng Weigong, chairman/ party secretary of FAW Foundry Co., Ltd., both of them are the vice president of FICMES. They put forward a lot of professional advice to enable the congress to scale new heights.



Photos of Delegates



Social Activities to Expand Industry Resources

"YIZUMI Night" Elite Party



"L.K. Night" Reception Dinner



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), www.yzw.cc, www.zzcycn.com.



Many Participant Enterprises Reported the Congress



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

Supported by

Chongqing Millison Technology Co., Ltd.
Chongqing Changan Automobile Co., Ltd.
Chongqing Shunduoli Motor-Vehicle Co., Ltd.

Special Thanks to

L.K. Technology Holdings Limited.
Guangdong Yizumi Precision Machinery Co., Ltd.
Bühler (China) Machinery Manufacturing Co., Ltd.
Italtipresse Industrie (Shanghai) Co., Ltd.
VJ Technologies (Suzhou) Co., Ltd.
Guangdong Chuangshi Intelligent Equipment Group Co., Ltd.

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