第二十四届中国国际铸造博览会
The 24th China International Foundry Expo (Metal China)

第十九届中国国际压铸工业展览会
The 19th China International Die Casting Industry Exhibition

第十九届国际有色及特种铸造展览会
The 19th International Nonferrous and Special Casting Exhibition

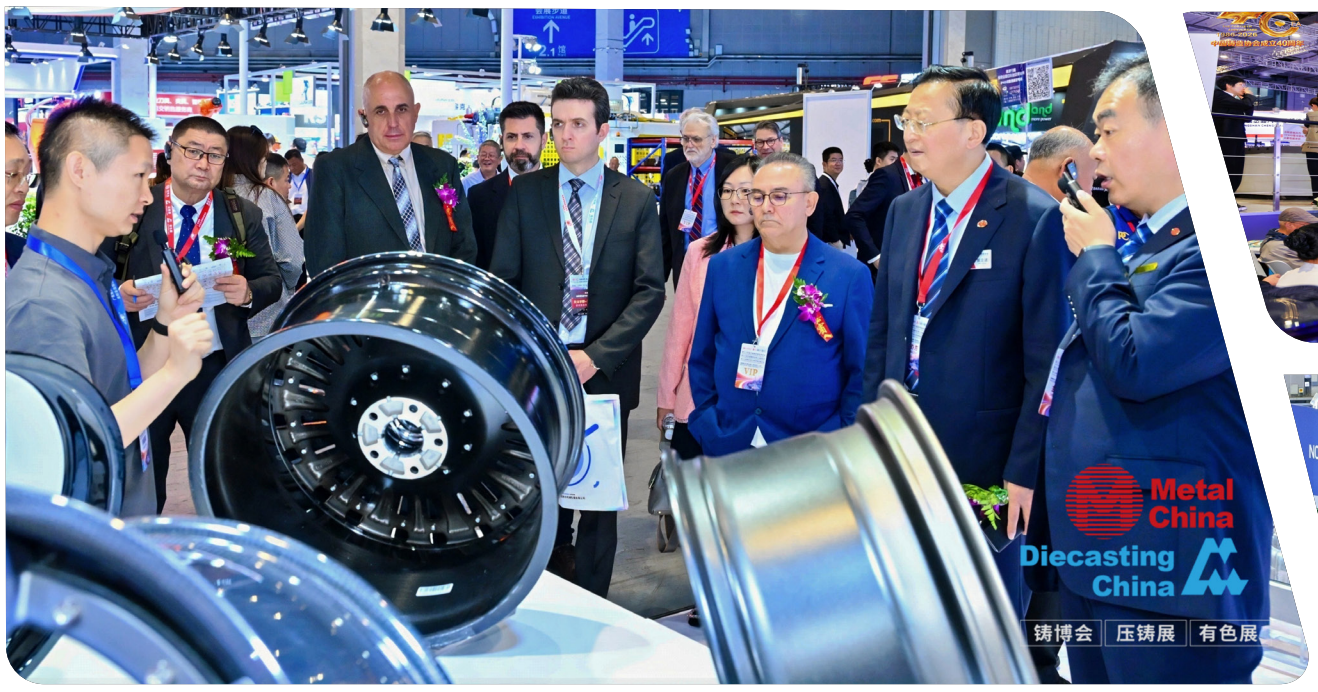
中国铸造协会
CHINA FOUNDRY ASSOCIATION

中国铸造协会
官方微信

中国铸造协会
展会官方微信

日期： 2026 年 5 月 6-9 日
Date: May 6-9, 2026
地点： 国家会展中心（上海）
National Exhibition and Convention Center (Shanghai)

铸博会 Metal China　**压铸展** Diecasting China　**有色展** Nonferrous China







来自 **28** 个国家和地区的
1134 家展商
1134 exhibitors from
28 countries and regions

来自 **77** 个国家和地区的
140696 人次专业观众
140696 visitors from
77 countries and regions

展后报告
SHOW REPORT

Metal China
Diecasting China



全球领先的铸造行业盛会

THE WORLD LEADING FOUNDRY EVENT



2026 年是“十五五”开局之年，制造业绿色低碳与智能制造进入关键攻坚期。2026 年 5 月 6—9 日，第二十四届中国国际铸造博览会、第十九届中国国际压铸工业展览会（原国际有色及特种铸造展览会）于国家会展中心（上海）圆满落幕。作为全球铸造领域规模最大、影响力最强的旗舰展会之一，本届展会总面积 12 万㎡，汇集 1134 家海内外企业，迎来 77 个国家和地区的 140696 人次专业观众、30 余支国际采购团到场观展交流，展会规模及国际化水平再创新高、行业能级持续提升。

以“绿色发展 · 智向未来”为主题，展会充分彰显行业发展“晴雨表”和“风向标”作用，集中展示全球铸造与压铸领域最新技术、装备、材料与解决方案，聚焦智能铸造、绿色材料、轻量化铸造、低碳环保等核心发展方向，集中展现了我国铸造行业的突破成果与产业硬核实力。力劲 95 吨超大机床铸件、中钢邢机 60 吨轧辊、宇树科技机器人、DISAMATIC C5 的全新上市、万丰科技全自动缸盖生产线、钱江机器人……从汽车配套、矿冶重机到轨道交通、船舶市政领域，通用铸件、精密构件与艺术铸件异彩纷呈；从熔炼、造型、制芯、3D 打印、智能机器人、环保装备到数字化工厂整体解决方案，全产业链装备一站式呈现；从铝镁合金新材料、新能源汽车核心零部件，到人形机器人及电驱动，前沿技术集中亮相，尽显产业创新活力。

展会期间，各地产业集群集中亮相，各地产业集群组团参展，供需对接、商务洽谈火热，跨境合作成果丰硕。中铸协第十届会员代表大会暨十届一次理事会、第二十二届中国铸造协会年会胜利召开；技术交流会、新品发布会、人才合作、签约仪式、国际交流等百余场同期活动精彩纷呈，思想交汇、智识碰撞，令四天展期熠熠生辉。

让我们以中铸协成立四十周年为崭新起点，以本次行业盛会为坚实纽带，坚守绿色、智能发展方向，携手谱写铸造产业发展新篇章。

Metal China/Dicasting China/Nonferrous China 2026 concluded successfully at the National Exhibition and Convention Center (Shanghai) from May 6 to 9, 2026. As one of the largest and most influential flagship events in the global foundry industry, the event covered an area of 120,000sqm, gathering over 1,134 domestic and overseas enterprises, and140696 rade visitors from 77 countries and regions, as well as more than 30 international purchasing groups. Setting a new record in scale and international level.

Serving as a barometer and weather vane for the industry, the event featured a rich array of exhibits and remarkable highlights, showcasing the landmark achievements and core strengths of China’s foundry sector, including the 95-ton large machine tool casting by LK Group, 60-ton rolling rolls by Sinosteel Xingtai Machinery, robots developed by Unitree, the newly launched DISAMATIC C5, Qianjiang robots. General castings, investment components and art castings shone brightly for applications spanning auto parts, mining & metallurgical heavy machinery, rail transit, shipbuilding and municipal engineering were on display. One-stop displays covered full-industry-chain ranging from melting, molding, core-making, 3D printing and intelligent robotics to environmental protection machinery and turnkey digital factory solutions. Breakthrough innovations in emerging sectors were also showcased, including new aluminum-magnesium alloy materials, core components for new-energy vehicles, humanoid robots and cutting-edge electric drive technologies.

Themed special pavilions and industrial clusters shined; the 10th General Congress and the 22nd Annual Conference of China Foundry Association were convened successfully. Matchmaking facilitated in-depth business negotiations and contract signings, bridging cross-border industrial cooperation across continents.

Let us take the 40th anniversary of the founding of China Foundry Association as a new starting point and this grand event as a solid bond. Adhering to the green and intelligent development path, let’s jointly write a new chapter for the world foundry industry.

张立波
中国铸造协会名誉会长

Mr. Zhang Libo
Honorary President of China Foundry Association

展商数据

Exhibitor Statistics

来自 28 个国家和地区
from 28 countries and regions

1134 家展商
1134 exhibitors



满足企业品牌宣传需要
fulfilled their objective in building brand awareness



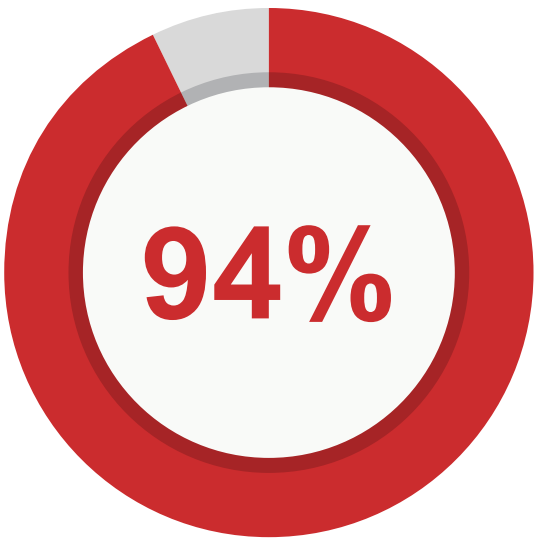
对观众的到访表示满意
were satisfied with acquiring new customers on-site



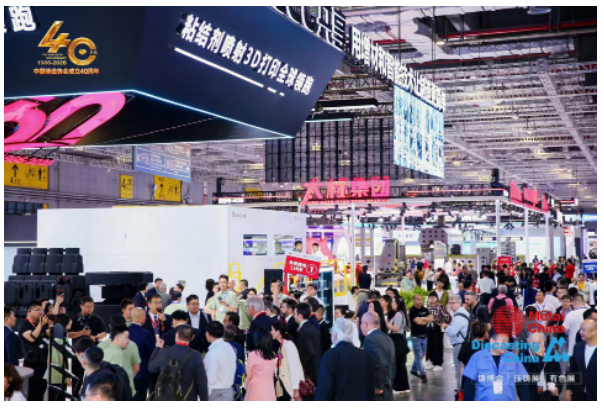
对总体观众质量表示满意
were satisfied with the quality of visitors overall

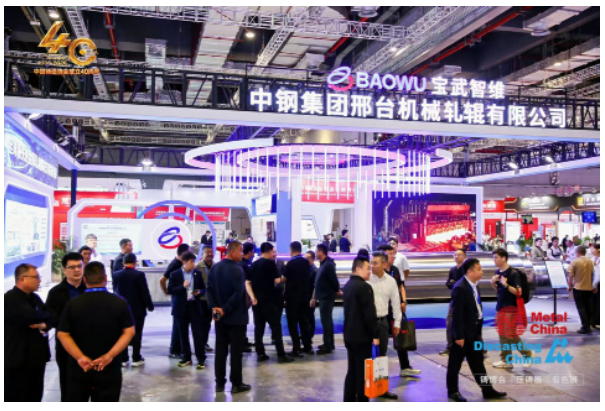


对整体参展效果表示满意
felt that they benefited from their participation overall



表示将继续参加下届展会
will attend the next event







展商评语

Comments from Exhibitors

“风向标”“晴雨表”“试金石”
Benchmark, Barometer, Touchstone

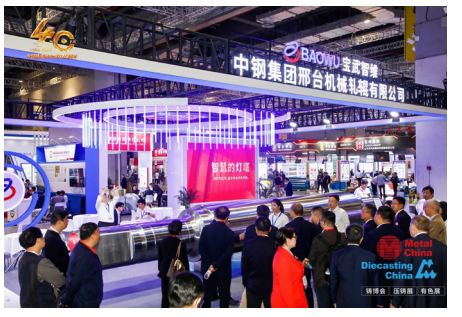
铸件类 Casting

恒立铸造：共绘智能绿色新未来
Hengli Foundry: Casting Green Future Together

恒立铸造全面展示了应用于工程机械、农用机械、工业、轨道交通、商用车等领域的核心铸铁件产品，以及多项突破性创新技术，吸引了众多参观者与业内专家驻足交流、深入探讨。恒立铸造展台人气高涨，多家企业表达了初步合作意向。此次铸博会不仅是产品与技术的检阅，更是恒立铸造与全球客户、行业伙伴深化合作的新起点。

Hengli displayed core cast iron parts for construction, agriculture, rail transit, commercial vehicles and innovative tech. The booth drew many experts and visitors from multiple firms seeking cooperation. The expo acts as a new cooperation milestone with global partners.

中钢邢机：闪耀铸博会、载誉而归
Sinosteel Xingtai Machinery: Shines and Rewarded



中钢邢机携高端冶金轧辊和最新研发成果精彩亮相本届铸博会，与海内外客商深度洽谈对接，全面展现高端制造、绿色智能、技术创新的硬核实力与行业标杆形象。中钢邢机借助这一高端平台，集中展示核心技术与优质产品，充分彰显技术底蕴与制造能力，有效拓宽国内外合作渠道，显著提升品牌国际影响力。

展会现场，中钢邢机展位成为海内外客商关注的“打卡点”。来自东亚、东南亚、中东及俄罗斯、土耳其、印度等多个国家的客商纷纷驻足观摩、深入交流，合作洽谈氛围热烈浓厚，赢得与会嘉宾广泛赞誉，展会成果丰硕。

The company exhibited premium metallurgical rolls and new R&D outputs, showcasing strengths in high-end, green & smart manufacturing. Its booth attracted buyers from Asia, the Middle East, Russia, Turkey, India etc. Intensive talks brought wide recognition and abundant cooperation gains.

云南太标：精彩亮相盛会、聚焦行业目光
Yunnan Taibiao: Shines and Captures Industry Spotlight



太标精工铸造、太标数控机床携多款核心产品、新技术、新应用参展。公司技术团队凭借卓越的专业素养和诚挚的服务理念，向参观者进行了周密且深入的太标科技前沿技术展示，并与参展企业和行业客户进行深入探讨、经验交流。太标集团的展位吸引了众多参观者的目光，现场气氛热烈非凡，人流如织。太标集团的硬核装备凭借卓越性能赢得了客户与行业专家的一致好评，成为展会焦点。

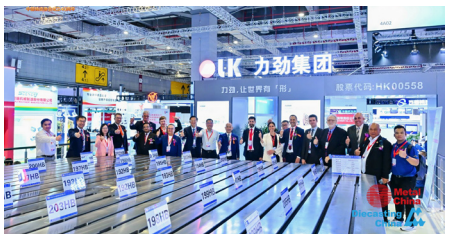
Taibiao Precision Foundry & CNC Machine Tools presented core products and new tech. The team shared cutting-edge solutions with visitors and peers. The busy booth won high praise for high-performance equipment.

新兴铸管：铸博会上展实力
Xinxing Ductile Iron Pipes: Showcasing Core Competitiveness

作为铸造行业的旗舰展，新兴铸管在本届展会重点展示了高强高塑球墨铸铁管、微短顶管、一体式和装配式球墨铸铁污水检查井、柴油机壳体、机床刀库主轴箱体、氢燃料电池箱体、新能源减速器壳体、电装壳体、飞轮壳、轮毂、制动鼓以及防腐涂料、锌丝、镁粒、硅铁孕育剂等产品，集中呈现公司在铸造领域的创新产品，吸引着众多参会代表纷纷驻足查看并了解产品情况，并给予了高度评价。

The company exhibited diverse innovative castings: ductile iron pipes, jacking pipes, sewage manholes, engine/fuel cell/new energy reducer housings, hubs, brake drums, plus anti-corrosion coatings, metal granules and inoculants at the flagship exhibition. Attendees highly recognized its full product lineup.

力劲集团：自主研发的 95 吨大型机床铸件首次亮相
LK Group: Debut the 95t Machine Tool Casting



铸博会为行业搭建了一个交流合作、共谋发展的优质平台，吸引了全球铸造业的目光。力劲集团自主研发的 95 吨大型机床铸件首次公开亮相，国内外铸造界人士对这一创新成果给予了高度关注。力劲集团在大型铸件制造领域深耕多年，积累了丰富的经验与众多产品应用案例。掌握了多项核心技术和关键知识产权，在辽宁阜新、安徽池州建立了大型铸件制造基地，专注于黑色金属与重型高端铸造业务。

The expo connects global foundry players. LK Group debuted its self-developed 95t machine casting and drew wide attention.

装备类 Equipment

新东集团：以革新与挑战、共筑全球铸造新生态
Sinto Group: Forge a New Ecosystem Through Innovation & Breakthroughs



作为展会的“常青树”，青岛新东机械有限公司携手日本新东工业株式会社、德国 HWS、英国 Omega Sinto、德国 Laempe 联合参展。这也是新东集团连续第 24 次奔赴这场行业盛会，彰显了深耕中国市场的坚定决心。新东凭借自硬性设备模型的立体沙盘以及前沿的数字化产品宣传，创新的展示形式不仅吸引了众多目光，更高效地向行业传递了新东全生命周期的技术实力与绿色智能解决方案。凭借国际化的技术专家团队和热情专业的服务，积极、高效地接待了大量海外客户，不仅加深了全球业务的协同，也展现了作为全球铸造装备领军企业的开放与自信。一年一度的 Metal China，已然成为新东与新老朋友双向奔赴、深入交流的宝贵平台。

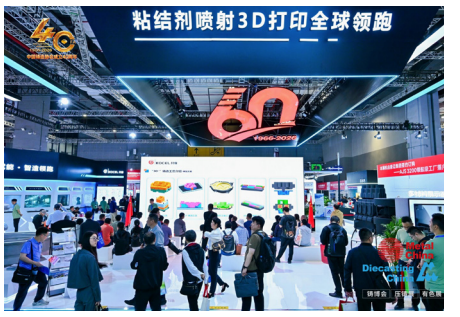
As a regular exhibitor, Sinto participated in the exhibition for the 24th straight year. Its 3D sand model and digital displays highlighted full-life-cycle green intelligent solutions. Supported by international experts, the brand connected with numerous overseas buyers for deeper global cooperation.

中汽工程 & 国机铸锻：助力绿色智造
Automotive Engineering Corporation & SINOMACH: Empower Green Manufacturing

中汽工程和国机铸锻紧扣展会主题，携铸锻业务领域的全产业链核心技术与高端装备重磅参展，全方位展现了公司在铸造工程设计、EPC 工程总承包以及静压造型线、V 法造型线等高端装备供货领域的核心竞争力。可实现国产替代的 2500 × 1500 大型静压造型线尤为引人瞩目，印证了中汽工程和国机铸锻在高端装备研发制造领域的硬核突破。展会现场展出的配套砂箱实物，吸引了众多行业同仁驻足观摩与深入交流，收获了海内外客户的高度认可。

Focusing on green intelligent manufacturing, China Automotive Engineering & SINOMACH Foundry & Forging displayed full-chain foundry technologies and high-end equipment. Its domestically large flask molding line stood out and won wide global recognition.

共享集团：以技术创新赋能产业转型
KOCEL Group: Empower Industrial Transformation Through Innovation



共享集团携全套核心技术矩阵重磅亮相，涵盖粘结剂喷射 3D 打印解决方案、大型高端装备零部件、智能制造系统解决方案及落地标杆案例，生动诠释企业在高端铸造领域的技术积淀、创新能力与综合核心竞争力。展出了一系列覆盖大型风电、工程机械、泵阀等领域的砂型产品，充分体现了粘结剂喷射 3D 打印技术的核心亮点，彰显了共享集团在该领域深厚的技术积淀与产业化实力。展会现场人气爆棚、大咖云集，对企业深耕智能制造、引领行业转型的发展布局给予关注与肯定。

KOCEL Group exhibited professional binder jetting 3D printing and intelligent manufacturing solutions. Its high-end sand mold products for multiple industries fully demonstrated its leading technological strength in smart foundry innovation.

诺瑞肯集团：聚势共赢、亮点纷呈
Norican Group: Gather Momentum for Mutual Prosperity



诺瑞肯携旗下迪砂、辛普森、维尔贝莱特、Monitizer 等品牌重磅亮相，全面呈现助力铸造企业增效降本、实现可持续发展的整体解决方案。围绕潮模砂造型、数字化生产与可持续增长等核心议题，多场技术交流会轮番登场，深度解读全新 DISAMATIC C5 超可靠潮模砂造型线、Multi-Cooler 从型砂端改善铸造质量等，内容紧扣热点，互动积极。四十年来，诺瑞肯与中国铸造协会携手共进，共同见证并推动了中国铸造行业的蓬勃发展。未来，诺瑞肯将持续以创新为驱动，推出更智能、更高效、更绿色的铸造技术与整体解决方案，携手行业伙伴迈向高质量发展新篇章。

Norican Group brought multi-brand integrated solutions for efficient, low-cost and sustainable foundry production. It shared cutting-edge technologies of new molding lines and sand optimization, committing to green and intelligent industry development.

明志科技：砂型成型新方案引发关注
Mingzhi Technology: Innovative Sand Mold Technology Captures Spotlight



明志科技带来的砂芯和砂型无模化制造新方案——减材加工成型，成为全场焦点之一。本次展出的混联五轴减材加工单元，尤其适合对砂型关键轮廓、关键表面、深腔区域及复杂转接部位进行定向精加工，为复杂砂型制造开辟了一条更高效、更精密、更经济的新路径。为期四天的行业盛会圆满落幕，明志科技珍惜每年一次的相聚，感恩每一位关注与支持我们的朋友，是你们的信任与期待，让我们持续创新、不断突破。

Mingzhi Technology launched an innovative mold-free sand mold manufacturing solution. Its five-axis subtractive processing unit delivers precise, cost-effective machining for complex sand molds, pioneering new smart foundry production methods.

山东开泰：携手 20 年、再续璀璨篇章
Shandong Kaitai: Partners to Make Achievements with 20 Years of Participation



从初次参展到成为全场焦点，从国内领先到问鼎全球，山东开泰迎来了与铸博会携手同行的第 20 个年头。开泰以全球金属表面处理及智能抛喷丸装备领军企业的姿态，展示了从智能装备到金属磨料以及先进部件的全产业链拳头产品，通过数字化实时交互的形式，将表面处理技术的未来具象化地呈现在全球观众面前。核心产品首发，展示了抛丸机数据看板以及全新紧凑型喷砂机器人；客商络绎不绝，海外客户占比创新高。未来，开泰将与中国铸造协会携手同行下一个十年、二十年，缔造全球金属表面处理产业更浩瀚的星辰大海！

Celebrating its 20th attendance at the exhibition, Kaitai showcased full-chain surface treatment equipment and abrasives. New shot blasting robots and digital dashboards debuted with record overseas visitors. It will keep partnering with the association to advance the global surface treatment industry.

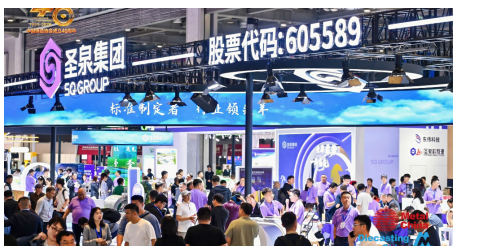
应达集团：亮相行业盛会、感应熔炼前沿
Inductotherm Group: Showcase Cutting-edge Induction Melting Technology

作为铸造行业的重要交流平台，铸博会汇聚全球先进设备与技术，是了解行业发展趋势与应用创新的重要窗口。围绕铸造及金属熔炼领域，应达集团携多项设备与技术解决方案亮相本次展会，重点展示了感应熔炼设备整体解决方案、节能降耗与效率优化技术、智能化与数字化应用方案、设备升级与技改服务等，结合实际应用场景，帮助客户更高效地理解设备应用与优化方向。

As a key platform for the foundry industry, Metal China showcases global advanced technologies. The Inductotherm Group presented optimized induction melting solutions at the event, covering energy-saving & high-efficiency technologies, digital intelligent applications, and equipment upgrading services. With practical application displays, the group delivered targeted optimization solutions to help clients improve production efficiency.

材料类 Material

圣泉集团：步履星移、创新不止
Shengquan Group: Advance with Innovation



圣泉集团以 600 平米恢宏气势亮相本届铸博会，向世界展示中国铸造材料产业领跑者的非凡实力与创新热情！展品全面覆盖树脂、固化剂、涂料、过滤器、冒口、无机粘结剂、系列辅助材料、熔炼材料、硅砂等全系铸造材料，展现圣泉在铸造材料领域的集成能力与领先优势，从经典“看家本领”到前沿“秘密武器”，旧友新知纷至沓来。基于自主产品矩阵构建的行业解决方案，针对各应用行业，圣泉给出了深层次、定制化的铸造材料整体解决方案，为客户创造超越期待的价值。圣泉集团载誉收官，将推动铸造企业迈向更智能、更绿色、更高质量的美好未来！

With a 600m^2 booth, Shengquan exhibited a full range of foundry materials including resin, inorganic binder and silica sand. It provides customized integrated material solutions to help foundries achieve smart, low-carbon and high-quality production.

欧区爱：携手行业伙伴、驱动铸造可持续发展
HA Group: Partners to Drive the Sustainable Development



欧区爱重磅亮相本届铸博会，展示绿色铸造材料、前沿核心技术及一站式解决方案。以匠心坚守品质，以创新驱动低碳转型，以专业赋能客户价值。欧区爱深耕环保铸造材料的研发与生产，从有机树脂到无机粘结剂，持续为行业提供低碳解决方案。目前已经完全实现了汽车铝铸件生产零排放，黑色铸件的绿色之路即将启程。展会现场人气高涨，新老客户、行业专家纷纷驻足交流，共同探讨行业趋势与低碳铸造路径，凝聚行业共识，携手迈向可持续发展新征程。

HA presented eco-friendly foundry materials and one-stop low-carbon solutions. Its organic & inorganic binders realize zero emission for automotive aluminum castings. Many clients and experts gathered to discuss sustainable casting development.

河北龙凤山新材料：深化全球合作、彰显国际影响力
Hebei Longfengshan New Materials: Deepen International Cooperation through Metal China

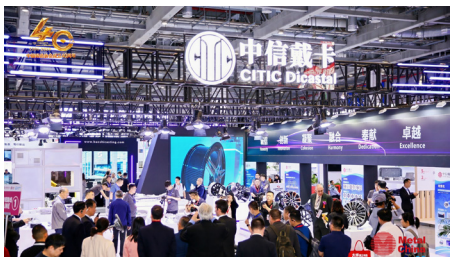
公司全方位展示了集团在生铁 / 纯铁领域的技术突破与产品实力。现场展出的 5N 级超纯铁、4N 级高纯铁等核心产品，以“低碳、低磷、低硫、低杂质”的卓越特性，以及高纯净度、高稳定性、高一致性的核心优势，吸引了行业内众多目光，展位始终人气高涨，来自产业链上下游的新老客户、合作伙伴纷至沓来，现场宾朋满座，交流热烈。来自斯洛伐克、加拿大、印度、泰国、土耳其、巴西等多个国家和地区的铸协领导、海外客商也纷纷来到龙凤山集团展位，进行商务洽谈与合作交流。

The company displayed high-purity ultra-low impurity pure iron products. Its booth attracted crowds of domestic buyers and overseas partners from Slovakia, Canada, Thailand, Turkey and other countries for business negotiations.

压铸有色类 Diecasting & Nonferrous

中信戴卡：携轻量化解决方案亮相压铸有色展

CITIC Dicastal: Brings Lightweight Solutions



中信戴卡携轻量化底盘解决方案及智能制造前沿成果重磅亮相，成为展会焦点。方案覆盖车轮、转向节、动力总成、副车架、一体化铸件和型材类产品，为客户提供整体轻量化解决方案。面向未来出行场景，中信戴卡率先展示了应用于低空飞行器的碳纤维螺旋桨及支架、人形机器人的骨骼结构与电驱壳体等产品，为铸造行业打开了通往新兴产业的想象空间。

此次展会全方位展示了中信戴卡在铸造领域的技术积淀与系统化方案能力。国内外行业协会领导和专业人士莅临参观，对中信戴卡在轻量化铸造领域的创新成果与智能制造能力给予了高度评价。

CITIC Dicastal took the spotlight with lightweight chassis solutions and cutting-edge intelligent manufacturing achievements. The company wowed visitors with full lightweight chassis packages for vehicles, plus innovative carbon fiber and robotic structural parts for emerging industries. Its mature systematic lightweight technology won high praise from global industry experts.

伊之密：展现“镁铝双驱”硬实力

Yizumi: Show Strengths in Aluminum and Magnesium

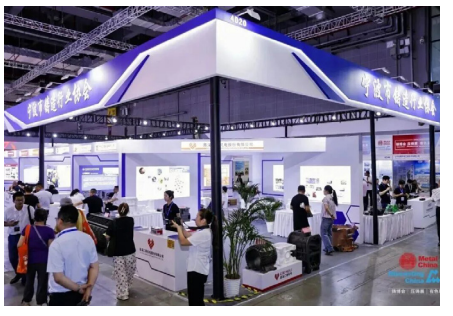


本届压铸有色展同期设立了镁合金 / 半固态产业链全景展示区、铝合金半固态论坛等多个特色专区，集中呈现了行业前沿技术与创新成果，为全球铸造同仁搭建了高效的技术交流与商贸对接平台。伊之密展出了多款采用半固态成形技术的镁合金及铝合金制品，涵盖新能源汽车、3C 电子、骑行交通等多个高端应用领域，吸引了大量专业观众驻足交流，成为展区内备受关注的焦点之一。公司还展出了多款半固态镁合金注射成形产品，展示了公司在镁、铝两大轻合金半固态领域“双轮驱动”的产业化成果。值得一提的是，数家知名汽车零件商莅临伊之密展位，现场观摩镁铝合金制品。他们的关注与交流，进一步印证了伊之密半固态技术成果的实践价值，也为镁铝双驱技术的持续发展增添了动力。

The expo featured special zones for magnesium alloy/semi-solid industrial chains and aluminum semi-solid forums to display cutting-edge technologies and facilitate global technical exchanges and business matching. Yizumi displayed magnesium & aluminum semi-solid products for NEV, 3C and mobility sectors. Its dual-alloy forming technology drew many auto suppliers, proving great practical value for mass production.

宁波展团：聚力拓商机、智铸新未来

Ningbo Pavilion: Seize Business Opportunities and Forge an Intelligent Future

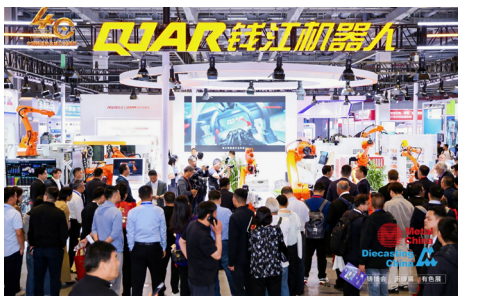


宁波市铸造行业协会组织数十家会员企业在高端铸件展区、产业集群展区、高端模具展区精彩亮相，参展展品覆盖铸件、新能源汽车零部件、压铸件、智能压铸自动化设备、环保除尘治理、铸造模具及配套原辅材料等，全面展现宁波铸造全产业链配套优势与高端化转型成效。展会期间，宁波展区人气旺盛，各参展企业积极开展商务洽谈、技术交流、供需对接，与各地采购商、上下游合作伙伴深入沟通合作事宜，广泛挖掘订单资源，现场交流热烈。借助国家级行业大展平台，宁波铸造企业同台竞技、跨界交流、拓客招商，进一步擦亮宁波铸造区域品牌，深化上下游资源联动，持续巩固行业领先地位。

Ningbo Foundry Industry Association organized dozens of member companies across three zones: high-end castings, industrial clusters and premium molds. Exhibits cover castings, NEV components, die castings, intelligent die-casting automation, environmental dust removal, foundry molds and auxiliary raw materials, fully presenting Ningbo’s complete industrial chain advantages and high-end transformation achievements. The Ningbo booth attracted massive visitors, with active business negotiations, technical sharing and supply-demand matchmaking.

钱江机器人：闪耀铸博会、见证硬核实力

Qianjiang Robot: Shows Solid Strength



浙江钱江机器人有限公司携全系列铸造专用机器人与压铸后段自动化解决方案参展，充分展现了产品在高温、高粉尘等严苛工况下的优异适应能力；围绕 3C、汽配、机床加工等细分行业的应用场景，公司已将相关技术转化为切实可行的落地方案，依托“技术硬核 + 行业驱动”的双轮驱动战略，成功跻身代表中国力量、参与国际竞争的行业前列。从之前的通用产品预研，到现如今深度聚焦客户真实应用痛点研发定制化解决方案，钱江机器人矢志成为用户首选的国产机器人品牌，让智造更简单。

Zhejiang Qianjiang Robot exhibited a full series foundry-specific robots and automatic post-die-casting solutions, featuring outstanding adaptability to harsh high-temperature, high-dust working conditions. It has rolled out practical industrialized solutions for 3C, auto parts and machine tool sectors. Adhering to the dual strategy of core technology and industrial demand, it stands among top domestic brands competing globally.

尼欧迪克：闪耀铸博会、助力绿色铸造

Neotechnik: Shines to Empower Green Casting

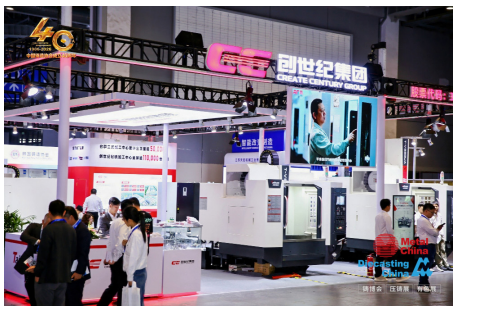


作为行业极具影响力的专业盛会，本次展会汇聚了全国铸造及环保领域领军企业、专家学者与行业同仁，共探产业发展新趋势、技术革新新方向。尼欧迪克以专业除尘解决方案、工业废气治理、节能环保成套设备核心技术重磅亮相。凭借扎实的技术实力、成熟的工程案例与定制化环保服务，吸引众多客商驻足交流；详细讲解了铸造车间除尘、烟气净化、粉尘治理等整套环保解决方案，分享铸造行业低碳转型、节能降耗的实战经验，精准解答客户的各类疑问，以专业态度赢得现场客户的高度认可，在展会现场收获超高人气。尼欧迪克将以此次展会为契机，为铸造业绿色低碳高质量发展注入强劲动力，期待与更多业界伙伴携手共赢！

The expo gathered leading foundry and environmental protection enterprises, experts and practitioners to discuss industrial trends and technological innovations. Neotechnik showcased core technologies including professional dust removal systems, industrial waste gas treatment and complete energy-saving & environmental equipment. The team shared full-set environmental solutions for workshop dust removal and flue gas purification, as well as practical experience in low-carbon transformation and energy conservation, earning wide recognition and huge popularity.

创世纪集团：赋能企业降本提质增效

Create Century Group : Helps Enterprises Cut Costs, Lift Quality & Boost Efficiency



创世纪凭借“新能源汽车零部件一体化压铸加工方案”的硬核技术实力与系统化服务优势，斩获全场瞩目，赢得众多客户与行业专家的高度认可与热烈好评。公司产品精准贴合市场需求，创世纪精准洞察新能源压铸行业痛点，依托深厚技术积淀与大量落地经验，打造专属一体化压铸件的加工解决方案，以多机协同加工、自动化产线、一站式服务三大核心优势，构建智能化加工体系，为新能源零部件制造提供高效、稳定的一站式加工解决方案。

Create Century Group attracted wide attention with integrated die casting machining solutions for new energy vehicle parts, winning high recognition from clients and experts. Powered by multi-machine collaborative processing, automatic production lines and one-stop services, its intelligent machining system delivers efficient and stable all-round processing packages for new energy component manufacturing.

日联科技：工业 CT+AI 智检重磅亮相

Unicomp Technology: Debuts Industrial CT + AI Intelligent Inspection Solutions

作为国内铸造产业发展的核心风向标，本届展会集中展示了铸造全产业链前沿技术与智造创新成果。日联科技携工业 CT+AI 智检解决方案亮相展会，覆盖黑色金属铸造、有色金属铸造及压铸全产业链，以工业 CT 扫描与 AI 辅助判定的方式，帮助企业实现铸件内部缺陷的高速、精准识别与全流程追溯。日联科技展位人气持续高涨，众多行业客户及合作伙伴驻足交流。从技术原理到落地场景，从设备性能到产线优化等展开深度探讨，针对不同企业的差异化痛点，现场打造一站式全链条工业 CT 智检解决方案。



The expo showcased cutting-edge technologies and smart manufacturing innovations across the entire foundry chain. Unicomp presented integrated industrial CT + AI inspection solutions covering the ferrous, non-ferrous and die casting industries. The booth remained crowded with clients and partners, who exchanged in-depth insights on technical principles, application scenarios, equipment performance and production line optimization. Customized one-stop full-chain CT inspection solutions were provided on-site for different manufacturers' unique challenges.

上海发那科：展示一站式铸件后处理解决方案

FANUC Shanghai: Presents One-Stop Post-Casting Solutions

上海发那科携多款铸造行业智能制造解决方案重磅亮相本届压铸有色展，针对铸件后处理关键工序提供一站式解决方案，助力企业高效降本、提质增效；在展会现场与国内外行业同仁深度交流，共探铸造自动化升级新路径。



FANUC Shanghai displayed multiple intelligent manufacturing solutions for foundries, offering one-stop packages for core post-casting procedures to cut costs, boost efficiency and improve product quality. It held in-depth exchanges with global peers to explore new paths for foundry automation upgrading.

万丰科技：开启智能铸造新篇章

Wanfeng Technology: Opens a New Chapter in Intelligent Foundry

万丰科技精彩亮相本届压铸有色展，首次现场实景展示自主研发的全自动缸盖生产线，并带来有色合金铸造一体化解决方案技术，成为本届展会备受关注的焦点之一。众多行业专家、汽车主机厂及轻量化零部件企业技术人员纷纷驻足观看全自动缸盖生产线的现场演示，并对天地轨道协同作业、后处理无人化运行的实际应用表现出浓厚兴趣。公司销售、技术团队在现场进行了详细的讲解与互动答疑。未来，万丰将持续深耕有色合金铸造装备及系统集成领域，助力全球铸造企业实现降本、增效、提质。



Wanfeng Technology became a major highlight with its on-site fully automatic cylinder head production line and integrated non-ferrous casting solutions. Numerous industry experts, automakers and lightweight component manufacturers watched the live demonstration, showing great interest in coordinated overhead track operation and unmanned post-processing. Wanfeng will deepen its layout in non-ferrous casting equipment and system integration to help global foundries cut costs, raise efficiency and upgrade quality.

君灵模具：参加压铸有色展、展示实力

Junling Mould: Exhibits Strength at Die Casting & Non-Ferrous China

在中国铸造协会成立 40 周年系列活动中，宁波君灵模具技术有限公司凭借深厚的技术研发积淀、成熟完备的试制生产体系以及高效灵活的产品交付服务能力，获评中国铸造协会“中国铸造行业压铸模具分行业综合竞争力优势企业”。该项荣誉是行业对君灵技术研发水准、品质管控能力、综合竞争实力及行业贡献的高度认可，标志着公司稳居压铸模具领域优势梯队，持续引领多品种中小批量开发制造应用平台的高质量发展。通过参加本届压铸有色展，企业充分发挥行业标杆示范作用，将助力行业向高端化、精细化、柔性化转型升级，赋能国内铸造产业高质量、可持续发展。

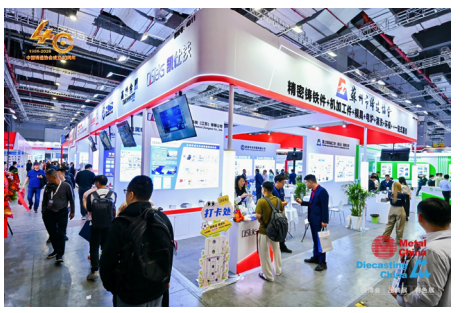
Ningbo Junling Mould was awarded the title of "Enterprise with Comprehensive Competitive Advantages in Die Casting Mould Sector".

展团类 Pavilions

苏州展团：卓越实力、热度拉满

Suzhou Pavilion: Outstanding Strength Draws Attention

苏州市铸造协会携众多会员企业精彩亮相，展区各类匠心打造的铸造展品整齐陈列，从精密铸件、先进铸造设备到创新铸造工艺，全方位展示了苏州铸造产业精湛的技术水平、过硬的品质保障与卓越的创新实力，吸引了参展客商驻足参观、细细品鉴。展会首日即迎来人气高峰，参展商与合作伙伴之间交流洽谈、共谋发展的热烈氛围，成为展会现场一道亮丽的风景线。此次参展，充分彰显了苏州铸造产业的蓬勃活力与强大吸引力，也生动展现了行业上下携手共进、共谋铸造产业高质量发展的坚定信心。



Suzhou Foundry Association led member companies to the exhibition. The booth displayed elaborate exhibits ranging from precision castings and advanced foundry equipment to innovative manufacturing techniques, fully showcasing Suzhou foundry's exquisite craftsmanship, reliable quality and robust innovation capacity. The booth saw heavy traffic from opening day, with warm negotiations between exhibitors and partners becoming a highlight of the show.

浙江展团：名企亮相、产业互联

Zhejiang Pavilion: Renowned Enterprises Gather for Industrial Interconnection

浙江省铸造行业协会组团参展，整体搭建 450 平方米，汇集 16 家企业盛装亮相，集中宣传浙江铸造文化，通过行业盛会对标行业标杆企业，提高浙江铸造企业的知名度，为推进铸造行业高质量发展作出新的共同努力。展馆之内战略磋商、精准对接、求知探索交相辉映。从专家学者的技术论道，到展商代表的战略磋商；从供需双方的精准对接，到院校师生的求知探索，各色面孔穿梭往来、多国语言交织回荡，产业互联的蓬勃生机处处可见。

Organized by Zhejiang Foundry Industry Association, the delegation occupies a 450 sqm booth with 16 participating firms. The group promotes Zhejiang's foundry culture, benchmarks top industry players, and elevates the provincial foundry industry's reputation to fuel high-quality industrial growth. The booth buzzed with strategic negotiations, precise supply-demand matching and technical exchanges. Multinational communications fully reflected vibrant industrial integration.

广东展团：汇聚行业力量、奔赴前沿盛会

Guangdong Pavilion: Unite Industrial Strength for the Premier Expo

广东省铸造行业协会联袂肇庆市高要区压铸行业协会，组织十余家行业相关单位，以广东展团形式亮相本次行业盛会。展会期间，各企业精心展示自家高精尖产品，不仅体现了广东铸造及压铸产业链企业在技术研发上的深厚积累，更彰显了其在产品创新方面的卓越实力，吸引了众多专业观众驻足交流、深入洽谈。协会将以此次活动为契机，继续发挥桥梁纽带作用，鼓励企业借助展会平台抢抓商机、聚力创新、共同推动广东铸造产业朝着高端化、智能化、绿色化方向高质量发展。

Jointly organized by Guangdong Foundry Industry Association and Zhaoqing Gaoyao Die Casting Association, the delegation brings over ten local enterprises to the expo. All exhibitors showcased sophisticated high-end products, demonstrating profound R&D capacity and outstanding innovation strength of Guangdong's foundry and die casting industrial chain, drawing crowds of professional buyers for in-depth communication and business talks.

专家评语

Expert comments

从中国国际铸造博览会看铸铁技术的发展趋势

Development Trends of Cast Iron Technology Reflected by Metal China 2026

马顺龙 Ma Shunlong

作为国内铸造行业发展的风向标，本届铸博会、压铸有色展集中呈现了我国铸铁技术的最新研发成果与产业化进展。从 1.3 毫米极限薄壁精密铸件，到 95 吨级超大型超稳定机床工作台；从传统动力铸件的迭代升级，到高端材料体系的突破创新，铸铁技术正以系统性创新为翼，突破技术瓶颈、重塑竞争优势，加速迈向高质量发展新阶段，成为支撑我国高端制造产业升级的核心力量。

一、从基础制造迈向极限突破

铸铁产品高端化是本次展会最鲜明的特征，也是我国铸造产业向价值链高端攀升的核心路径。这一趋势并非单一维度的性能提升，而是传统动力铸件精进、超大型铸件提质、薄壁精密件突破三大方向的协同发力，实现了从“能用”到“好用、耐用、可靠”的质变。

传统动力铸件持续迭代，在性能升级的同时向新能源领域延伸。展会现场，HT300、RT450 等高性能牌号的缸体、缸盖产品集中亮相，球铁缸体凭借优异的强韧性优势，成为多家企业重点展示的核心产品。更值得关注的是，国内企业已成功攻克清洁能源车型专用铸件技术，实现甲醇、天然气、氢能源等动力车型缸体缸盖的量产，形成了汽油机、柴油机、新能源动力等五大类产品协同发展的格局。传统动力铸件不再局限于传统燃油车领域，而是紧扣新能源汽车产业发展浪潮，通过材料优化与工艺升级，适配多元化动力需求，持续拓展全新应用场景。

砂型铸铁件正突破薄壁精密化极限，为轻量化应用开辟新空间。传统砂型铸造长期受制于壁厚限制，常规铸件壁厚普遍在 3–5 毫米，薄壁化曾是行业公认的技术禁区。本届展会上，江苏恒立液压的液力变矩器核心定子铸件，将壁厚极限压缩至 1.3 毫米，且采用低成本、高效率的粘土砂工艺制造，完成了业内公认难度极高的工艺突破。该铸件形似“风火轮”，拥有 16 至 21 个角度超过 45° 的不规则叶片，传统工艺下废品率高达 80%。恒立团队通过高温浇注、合金优化、特种砂芯等系统性技术攻关，成功将废品率降至 5% 以下，并实现年产 20 万件的稳定量产。这一突破为铸铁件在轻量化、精密零部件领域的应用提供了全新可能。

超大型铸件正实现从“超精、超稳”到“长期精稳”的跨越，突破全球技术瓶颈。阜新力达展出的 95 吨超大型落地镗铣工作台，是本次展会最具代表性的展品之一。该铸件整体尺寸达 6500mm × 6000mm × 1065mm，采用高刚度、低应力 HT300 材质，不仅体量创下国内铸造展单体机床工作台铸件之最，更在核心性能上实现突破性进展。其硬度稳定维持在 200HBW，整体硬度差控制在 ±10HBW 以内，发布的 12 项核心性能指标均优于行业现行标准。这一成果标志着我国超大型铸件彻底告别“能做即可”的初级阶段，迈入“做精、做稳、持久稳定”的全新发展阶段，为国产重型装备、工业母机的高端化提供了关键支撑。

二、适配多元需求，构建高效生产体系

面对制造业“多品种、小批量、低成本、短周期”的核心需求，我国铸铁工艺打破单一化发展模式，形成了“企业内多工艺融合、集聚区专业分工协同”的双重多元化格局，实现成本、质量、效率的最优平衡，构建起灵活高效的生产体系。

在企业内部，多工艺融合推动工艺选型的精准化与灵活化。单一工艺难以适配复杂多样的产品需求，国内领先铸造企业纷纷构建多元化工艺矩阵，打破工艺壁垒，实现按需精准选型。展会信息显示，多家企业已布局粘土砂、自硬砂、V 法、消失模、3D 打印等多种主流铸铁工艺，形成全工艺覆盖的生产能力。在实际生产决策中，企业不再局限于单一工艺路径，而是围绕产品结构、开发周期、生产批量、质量标准、成本预算五大核心要素综合权衡，灵活选择最优工艺方案。这种多工艺融合模式，既能满足高端精密件的质量要求，又能兼顾中小批量产品的成本控制，最大限度适配客户多样化需求，有效提升企业市场竞争力。

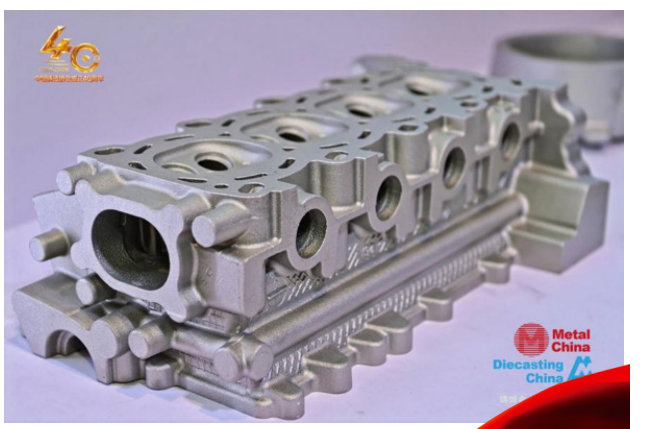
产业集聚区形成专业分工协同，释放集群规模效应。我国铸造产业集群化发展趋势显著，多个铸造专业镇、产业集聚区依托区域资源与技术优势，形成了差异化、专业化的发展格局。本次展会上，各集聚区不再同质化展示产品，而是聚焦细分领域，集中展出各自的优势铸铁件，实现了“一镇一品、一区一特”的专业化分工。在集群内部，各企业深耕单一工艺、专注特定产品，有效避免同质化竞争；企业之间则通过工艺互补、技术共享、产能协同，构建起高效联动的产业生态。这种专业化分工协同模式，既降低了单个企业的研发与生产成本，又提升了整个集聚区的技术水平与生产效率，推动我国铸铁产业从分散式发展向集群化、集约化方向加速升级。

三、材料技术实现低成本与高质量的双向统一

高强韧与超低温性能协同提升，适配极端工况需求。通过合金化、硅固溶强化、复合孕育等技术创新，我国铸铁材料实现了铸态下高强度与高韧性的统一。QT800–5、QT700–10 等高端球铁牌号，依托合成铸铁、复合多元微合金化、多重孕育及工艺协同技术，兼顾高强度与高韧性，满足高端机械装备的承载需求。在超低温性能领域，技术突破更为显著：QT400–







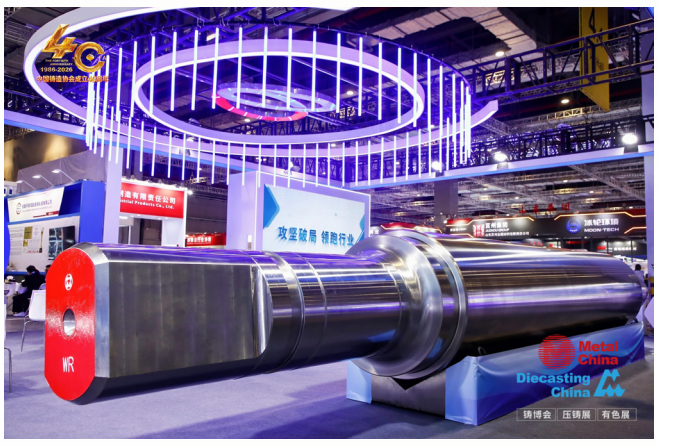
18L、QT350-22AL（-60℃）等超低温高韧性球铁已实现批量供货，良好适配风电、高铁、工程机械在严寒地区的使用需求，成功打破国外高端低温铸铁材料的垄断。

灰铸铁实现低应力、高刚度、性能均匀性一体化，支撑重型装备稳定运行。大型灰铸铁件长期面临残余应力高、性能不均、易变形开裂等难题。本届展会上，云南太标、银丰机床、烟台冰轮、力达钢铁等多家企业展出了高强度低应力机床铸件，成功打破了“高碳当量必然低强度、高强度必然高残余应力”的行业固有认知，为重型机床、工业母机提供了稳定可靠的核心铸件保障。

低成本与高质量双向统一，技术创新破解成本瓶颈。高端材料研发并非一味依赖贵重合金，而是通过孕育剂优化、微量元素微合金化、合成铸铁工艺等创新路径，实现低成本与高质量发展的统一。在孕育剂应用方面，高 Ba 孕育剂可替代 Cu、Mo 等贵重合金，有效提升厚大灰铁的力学性能；硫氧孕育剂处理球铁，性能优于传统 75SiFe，成本却更低。在微合金化领域，以 Cu、Cr 替代价格高昂的 Ni、Mo，或在孕育剂中添加 1%—4% 的铌，既能提升铸件强度，又能大幅降低合金用量。合成铸铁工艺则采用“废钢 + 增碳剂 + 形核剂”替代传统生铁，已成为高强韧铸铁的主流生产工艺，在保证性能的同时显著降低原材料成本，有力推动了高端铸铁材料的规模化普及。

从本届展会的成果来看，我国铸铁技术已完成从“跟跑”到“并跑”、部分领域实现“领跑”的跨越式发展。古老的铸铁材料正焕发出新的生机，铸铁铸造技术持续突破瓶颈、优化产业结构、提升核心竞争力，为我国高端装备制造与工业母机产业发展提供了坚实支撑。









As the industry benchmark, Metal China & Diecasting China & Nonferrous China 2026 presented the cutting-edge cast iron technologies, ranging from 1.3 mm ultra-thin precision castings to 95-ton ultra-stable machine tool worktables. Powered by systematic innovation, cast iron manufacturing has overcome technical hurdles, lifted industrial competitiveness and become a backbone of China’s high-end manufacturing upgrade.

I. Breakthroughs in Extreme Manufacturing

Domestic cast iron products have advanced from basic usability to premium durability and reliability via three major breakthroughs.

New-energy power castings: High-performance HT300 and RT450 cylinder blocks/heads were exhibited. Manufacturers have realized mass production of castings for hydrogen, methanol and natural gas vehicles, expanding application scenarios beyond traditional fuel automobiles.

1.3 mm ultra-thin sand castings: Jiangsu Hengli Hydraulic developed thin-wall stator components with complex multi-angle blades. Optimized pouring, alloy formulas and special sand cores cut reject rates from 80% to under 5%, enabling stable annual output of 200,000 units and facilitating lightweight production.

95-ton super-large castings: Fuxin Lida’s huge HT300 machine tool worktable boasts consistent hardness within ±10 HBW, with all 12 core indexes exceeding industry standards. It delivers long-term precision stability and supports domestic heavy equipment and industrial mother machines.

II. Diversified & Efficient Production Modes

To meet demand for multi-variety, small-batch, low-cost and fast-delivery production, two efficient development models have taken shape.

Multi-process integration within enterprises: Leading foundries adopt clay sand, self-hardening sand, V-process, lost foam and 3D printing processes. They select optimal manufacturing routes based on product structure, batch size, quality requirements and budgets, balancing high precision and cost control.

Specialized cluster collaboration: Foundry industrial zones follow a "one zone, one specialty" layout. Enterprises focus on segmented products, sharing technologies and production capacity to avoid homogeneous competition, lowering overall industrial costs and improving efficiency.

III. High-Performance, Cost-Effective Cast Iron Materials

High-toughness & cryogenic ductile iron: QT800-5, QT700-10 and -60 ℃ low-temperature grades QT400-18L/QT350-22AL are mass-produced for wind power, high-speed rail and construction machinery, breaking foreign material monopolies.

Low-stress gray cast iron: New machine tool castings eliminate the traditional trade-off between high strength and low residual stress, offering stable core parts for heavy-duty equipment.

Cost-reduction innovations: Optimized barium and sulfur-oxygen inoculants, copper/chromium microalloying and scrap steel-based synthetic cast iron replace expensive nickel, molybdenum and pig iron, cutting raw material costs without sacrificing performance.

The expo marks China’s cast iron sector’s shift from follower to peer, with world-leading strengths in some fields. Constant technological upgrades strengthen the industry and underpin the development of domestic high-end equipment and industrial mother machines.

专家简介
Expert Profile

马顺龙，研究员，历任中国一汽子公司专职外部董事、一汽铸锻副总经理及其所属锻造公司总经理、特种铸造厂厂长、铸造研究所所长等职务。中铸协专家委副主任委员，曾兼任中铸协汽车铸件分会副理事长兼秘书长等职务。

Mr. Ma Shunlong, Research Fellow, Vice Chairman of the Expert Committee of China Foundry Association. He has held multiple key posts in FAW, including full-time external director of FAW subsidiary, Deputy General Manager of FAW Foundry & Forging, General Manager of FAW Forging, Director of Special Foundry Plant, and Director of Foundry Research Institute. Former Vice Chairman and Secretary-General of the Automotive Castings Branch of China Foundry Association.

聚焦新能源与轻量化，提供更加完善的解决方案

Focus on New Energy and Lightweighting to Deliver More Comprehensive Solutions

董显明、张东进、韩光亮 Dong Xianming, Zhang Dongjin, Han Guangliang

本届展会集中呈现了铸造全产业链的最新技术、材料创新、工艺升级与应用突破，已成为观察全球压铸产业技术迭代、产业重构与未来布局的风向标。作为本次观展的专家团成员，我认为，本届展会聚焦压铸件与科技引领，集中呈现了轻量化材料革新、智能装备升级、绿色工艺突破三大核心趋势，清晰勾勒出压铸行业从“规模制造”向“新质智造”跨越的宏观路径。

一、从生产者到解决方案提供者的转变

本届展会的有色压铸馆核心区域中，铝镁合金铸件及其配套工艺占据了重要地位。高压压铸、半固态、低压、挤压、压铸模具、低空经济、人形机器人等领域的铸件与工艺精彩亮相。红旗及其他整车企业带来的一体化压铸后地板、电池壳体及副车架等产品，投影面积超过 1.5 ㎡，壁厚呈 2.5mm 至 8mm 之间的梯度过渡，并采用免热处理高韧性铝合金。展会上同步展出的超大型压铸单元等技术，可实现一次充填成形，替代传统由 30 ~ 50 个冲压件焊接而成的总成结构，减重 25% ~ 30%，总装时间缩短 60% 以上。主机厂对整车轻量化、集成化的极致追求，直接拉动了超大型铸造装备与免热处理合金材料的工程化突破。

各企业愈发注重从“产品生产者”向“解决方案提供者”转变。过去，不少压铸企业仅以提供合格铸件为核心目标；如今，越来越多头部企业开始向下游延伸，围绕客户具体应用场景的性能需求，打通材料研发、工艺设计、结构优化、检测验证全链条。从材料配方、成形工艺到配套工装，企业能够提供一体化定制方案，不仅能帮助下游客户缩短新品研发周期、降低整体开发成本，也凭借全流程服务能力建立起更高的技术壁垒。这一转变恰好契合了新能源汽车、低空经济、人形机器人等新兴领域对集成化、定制化服务的需求，正成为压铸企业实现高质量转型的重要方向。

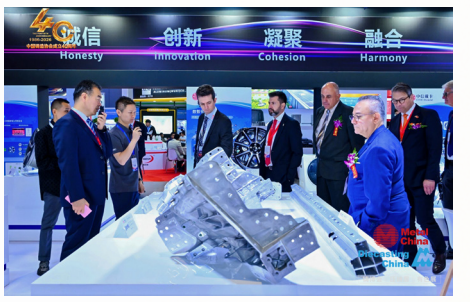
二、镁合金轻量化有望步入快速发展期

本届展会上，嘉瑞集团带来的阻燃镁合金、高导热镁合金、防腐镁合金三大功能型压铸镁合金，成为低空经济领域的最大亮点。2026 年是低空经济规模化落地的元年，也是镁合金产业化爆发的拐点。镁合金以轻量化为核心、功能特性为支撑、成本优势为保障，已成为破解低空飞行器续航、载重、成本痛点的最优解，其应用水平，将直接决定低空经济的商业化速度与产业高度。

阻燃镁合金压铸件主要应用于低空飞行器的电池舱、电源控制箱、机舱隔断结构及地面充电储能机柜。凭借优异的阻燃抑燃性能与低烟无毒特性，可有效防范电池热失控与电气火情蔓延，为载人及重载低空装备筑牢安全底线。

高导热镁合金压铸件适配飞控导航控制箱、电驱电机壳体、逆变变换模块与雷达传感器基座，实现壳体一体化均热散热，在极致减重的同时，解决了大功率电子器件高温降频、温度漂移等痛点。

防腐镁合金压铸件用于飞行器外露机身框架、机臂连接件、起落架支撑结构及沿海海岛作业机型的配套构件。该材料可耐受户外雨淋潮湿与盐雾腐蚀环境，大幅提升整机耐候性与服役寿命。





低空飞行器电源控制箱等镁合金压铸件虽前景广阔，但生产难点突出，主要包括：

· 薄壁深腔、多筋多倒扣、异形接口密集，充填成型困难，易产生冷隔、缺料、拉伤；

· 镁合金凝固收缩大，易翘曲变形，装配密封性难以保障；

· 熔炼过程易氧化卷气，导致气孔、缩松、夹渣等问题突出；

· 厚薄过渡处易产生压铸裂纹；

· 气密性及防水防尘等级依赖致密度，微缩松易引发渗漏；

· 镁合金对模具侵蚀强、损耗快，维护成本高；

· 表面皮下气孔易导致喷涂后出现针孔起泡，影响防腐、绝缘与电磁屏蔽性能。

面对上述挑战，嘉瑞集团通过材料改性、工艺优化、模具创新以及与低空企业的深度合作，取得了技术突破并获得市场认可，为镁合金规模化应用奠定了坚实基础。

三、可钎焊压铸流道板正成为主流选择

随着新能源汽车向高续航、高集成、高安全方向快速迭代，热管理系统的轻量化、高效换热、零泄漏要求日益严苛。在此背景下，可钎焊压铸流道板凭借其突出优势，已成为行业主流方案。

钎焊技术历史悠久，其核心原理是利用低熔点钎料在低于母材熔点的温度下实现冶金结合，长期以来广泛应用于航空航天、核能、电子工业等高端制造领域。Nocolok 铝钎焊技术与真空钎焊炉的问世，成功解决了铝合金钎焊的氧化难题，为汽车散热器、空调换热器的规模化生产奠定了基础，推动钎焊技术从传统工艺迈入高端制造行列。

面向新能源汽车热管理系统对轻量化、高换热效率、无泄漏的极致要求，可钎焊压铸流道板凭借钎焊工艺的独特优势成为核心方案。该工艺不仅支持多流道集成化设计，还能将流道内壁粗糙度精准控制在 Ra1.6 μ m 以下，显著提升换热效率，同时满足 −40℃至 150℃的宽温域工作环境要求。相比传统焊接或机加工流道，可钎焊压铸流道板在集成度、重量、换热效率、密封可靠性等方面优势突出，是新能源汽车热管理轻量化升级的关键部件。

四、轻量化核心铸件的突破

本届展会展品质量之高、技术创新之密集、成型方式之多样，令人印象深刻。在高端铸件展区，既有内腔复杂的流体结构高端泵阀类铸件，也有大尺寸薄壁空心复杂结构叶片类铸件，还有带有复杂油路、气道、走向曲折且结构紧凑的缸体铸件。从专业角度看，这些铸件的制造难点集中在三大核心环节：复杂内腔成型工艺、复杂内腔清理工艺以及内腔精度控制。

高端有色铸件展区中，大型一体化低压铸造技术成果丰硕，已成为新能源汽车轻量化的重要支撑。宁波凯利模具展出的超大型汽车副车架尤为亮眼，该产品配套国内知名大型 SUV，是目前市场主流尺寸的整体铸造副车架。其技术特点如下：

· 采用高强度铝合金 ZL101A，轮廓尺寸为 1700mm × 1120mm × 320mm，重约 68kg，关键壁厚为 3.5 ~ 6.2mm，通过局部加强筋与流道优化，实现了轻量化与结构刚性的平衡；

· 整体呈“H”形结构，集成 12 处功能接口，大幅减少零部件数量，简化装配工艺，提升可靠性；

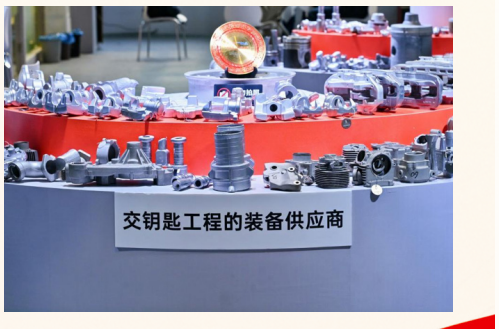
· 模具采用 H13 热作模具钢并经过深冷处理，提升了硬度、热疲劳强度与尺寸稳定性；

· “整体模架 + 分段镶块”结构兼顾了刚性与维护性；

· 冷芯盒砂芯尺寸精度达 0.3mm 级，配合间隙控制在 0.1 ~ 0.3mm，并设有定位防转结构，避免壁厚不均；

· 通过优化粘结剂配比，使砂芯兼顾常温强度与高温溃散性；





· 采用实时温控与局部冷却实现定向凝固，提升铸件致密度，为大型轻量化结构件的规模化生产提供了关键支撑。

山东展团展出的一体式低压铸造高压开关罐体同样技术突出。该产品以 ZL101A 为基础，添加稀土、硼等细化元素，优化材料性能，实现了壁厚减薄与重量减轻。罐体重 200 ~ 300kg、壁厚 10 ~ 14mm，可承受 1MPa 压力无泄漏，并通过 5MPa 破坏性测试，展现了轻量化与高压密封技术的新突破。

其技术优势集中在以下三个方面：材料优化细化晶粒、提升了材料的强韧性与耐蚀性；采用一体式低压铸造，结合多流道设计、精准温控与内置砂芯，有效解决了氧化与缩松难题；实施全流程质量管控，成功突破了大型高压铸件的技术瓶颈，市场前景广阔。

宁夏维尔精工股份有限公司带来了 CR450 动车组的联系枕梁，这一成果打破了我国高速动车组枕梁相关技术长期依赖进口的局面。该企业在轻量化结构设计、材料研发、热处理工艺等方面开展了大量创新工作，突破了一系列技术难题，最终使联系枕梁重量减轻了 25% 左右。

综合观展所见，我国铸造行业的创新能力持续增强。大型一体化压铸、镁合金轻量化、复杂内腔成型、绿色智能装备等领域取得突破性进展，部分技术已达到国际先进水平。同时，产业结构持续优化，正从低端普通铸件向高端精密、轻量化铸件转型，产品附加值与市场竞争力显著提升。



Metal China & Diecasting China & Nonferrous China 2026 showcases cutting-edge innovations across the entire casting and die-casting chain. Serving as a global industry bellwether, the event highlights three major trends: lightweight material, intelligent equipment, and green process, marking China's die-casting sector's shift from scale manufacturing to high-value, intelligent production.

1. Shift From Product to Full Solution Supply

The nonferrous and die-casting zone features high-end aluminum and magnesium alloy components for new energy vehicles, low-altitude equipment and humanoid robots. Integrated mega-cast parts such as one-piece rear floors, battery housings and subframes stand out. Adopting heat-treatment-free high-toughness aluminum alloy, these gradient-thickness structures replace dozens of stamped welded components. The process reduces vehicle weight by 25%-30% and cuts assembly time by over 60%, driven by OEMs' growing demand for ultra-integrated and lightweight body structures.

Leading foundry enterprises are transforming from component suppliers to full-process solution providers. By integrating material development, structural optimization, precision forming and testing verification, they deliver customized one-stop solutions. This model shortens customer R&D cycles, lowers overall costs and builds solid technical barriers, perfectly matching the upgrading demands of new energy, low-altitude economy and intelligent robotics industries.

2. Magnesium Alloy Lightweighting Poised for Rapid Growth

Functional magnesium alloys have emerged as a core highlight for low-altitude equipment. Flame-retardant, high-thermal-conductivity and anti-corrosion magnesium alloys effectively solve the endurance, load and safety pain points of aerial vehicles, becoming the optimal lightweight solution for large-scale low-altitude commercialization.

Flame-retardant magnesium alloys apply to battery cabins and power control units, preventing thermal runaway and fire spread for manned aerial devices. High-thermal-conductivity grades serve motor housings and radar bases, optimizing heat dissipation and avoiding high-temperature performance attenuation. Corrosion-resistant alloys adapt to outdoor and salt-spray environments, improving aircraft durability and weather resistance.

3. Brazeable Die Cast Flow Plates Becoming Mainstream

Driven by demands for high endurance, high integration and zero leakage in new energy vehicles, brazeable die-cast flow plates have become the mainstream thermal management solution. Enabled by mature vacuum brazing and Nocolok aluminum brazing technology, the product achieves ultra-smooth inner channels below Ra 1.6 μm, delivering high heat exchange efficiency and stable performance within -40□ to 150□. Compared with traditional welded and machined structures, it features higher integration, lighter weight and superior sealing reliability, supporting systematic lightweight upgrading of vehicle thermal systems.

4. Breakthroughs in High-End Integrated Lightweight Castings

The expo displays a wealth of high-precision, complex castings including sophisticated valve components, hollow blade structures and compact cylinder parts, representing major progress in complex cavity forming, precision machining and intelligent quality control.

Large integrated low-pressure cast subframes adopt optimized ZL101A aluminum alloy and cryo-treated H13 molds. With optimized gating systems and directional solidification control, the 68 kg ultra-large structural part balances lightweight design and high rigidity, integrates multiple functional interfaces, and greatly improves assembly efficiency and structural reliability.

High-pressure resistant aluminum tank castings adopt rare earth modified grain refinement technology, achieving thin-wall lightweight structure with excellent pressure resistance and sealing performance, meeting strict requirements for high-voltage equipment.

In rail transit, newly upgraded CR450 EMU bolster components realize a 25% weight reduction, breaking the long-term import dependence of core high-speed train castings.

China's foundry industry is achieving rapid technological upgrading and structural optimization. Breakthroughs in mega integrated die-casting, magnesium lightweighting, complex cavity forming and green intelligent manufacturing have reached advanced international levels. The industry is steadily transforming from low-end extensive production to high-precision, lightweight, high-value intelligent casting, providing strong support for the high-quality development of new energy vehicles, rail transit and low-altitude economy industries.

专家简介 Expert Profile

董显明，中铸协压铸分会特聘专家，一汽高级专家，正高级工程师，曾任一汽铸造有限公司规划部副总师、一汽铸造有限公司成都有色铸造分公司副总师等职务；参与起草、修订了《铝合金压铸件》《压铸铝合金》《压铸铜合金》《铜合金压铸件》等国家标准；著有《压铸技术与生产》《铸造标准应用手册（上册）》《发动机铸造工艺及装备调试》等著作；在压铸新厂建设、压铸件工艺开发、压铸件质量控制及压铸企业管理等方面有较为丰富的经验。

张东进，高级工程师，中铸协压铸分会特聘专家，标准委员会专家；曾在日本知名压铸企业利优比公司从事管理工作 15 年，主要从事铝合金压铸设计开发和新工艺新技术研究，拥有压铸领域发明专利和实用专利多项。

韩光亮，高级工程师，拥有 20 年低压铸造工艺实战经验，深耕航空航天类薄壁结构件低压铸造领域，主导多项科研攻关项目；依托分层级充型、多阶段压力控制与保压定向凝固等核心技术，相关成果成功应用于多项航天航空重点工程，为高端装备制造提供可靠支撑。

更多专家展会点评和行业分析
请扫码阅读

Dong Xianming

Distinguished Expert of Die Casting Branch of China Foundry Association, Senior Expert and Professor-level Senior Engineer of FAW Group. Previously served as Deputy Chief Engineer of the Planning Department and Deputy Chief Engineer of Chengdu Non-ferrous Casting Branch, FAW Foundry Co., Ltd.

Zhang Dongjin

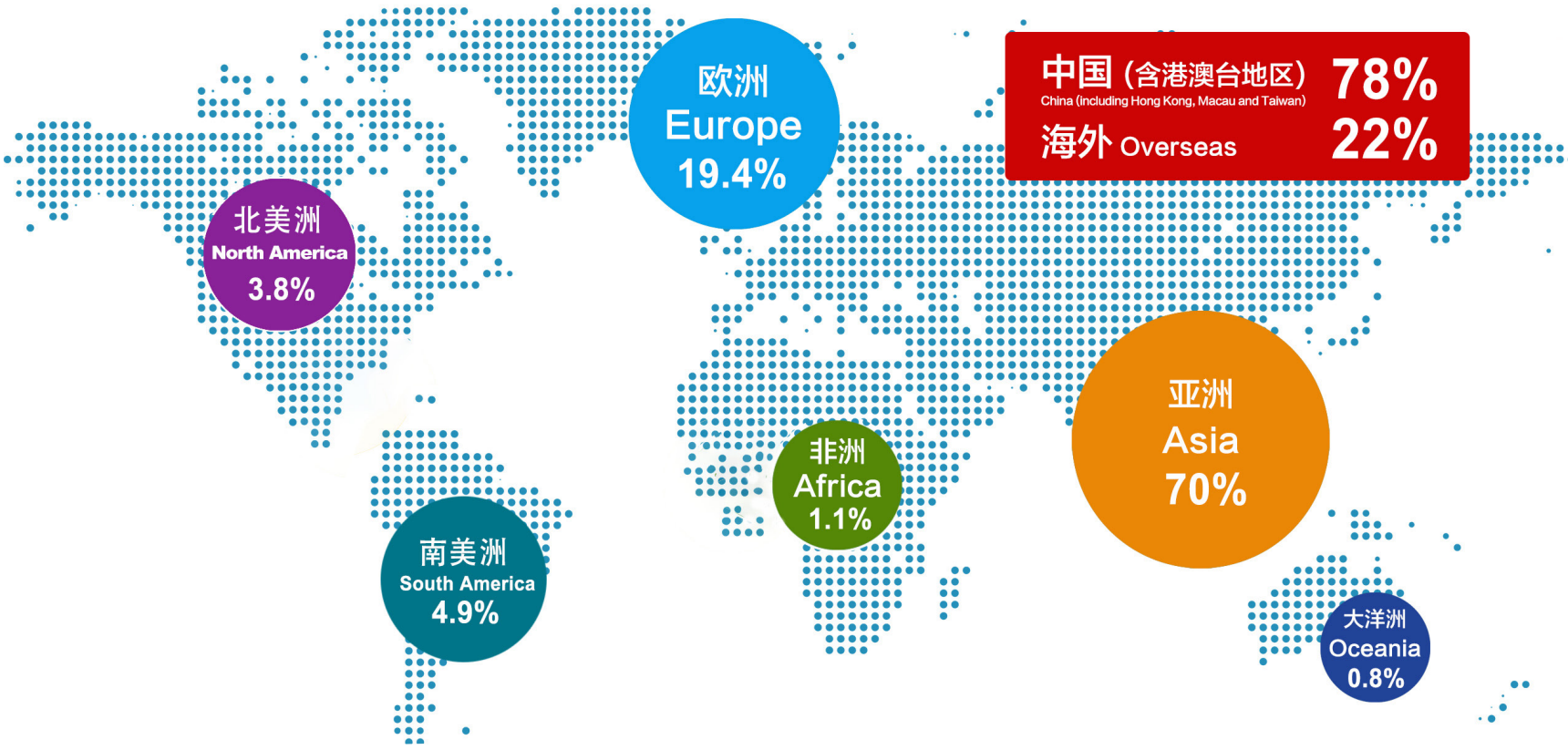
Senior Engineer, Distinguished Expert of Die Casting Branch and Expert of the Standards Committee of China Foundry Association. With 15 years of management experience at Ryobi.

Han Guangliang

Senior Engineer with 20 years of hands-on experience in low-pressure casting. Specializes in thin-walled aerospace structural components and leads numerous key research projects.

观众数据
Visitor Statistics

来自 77 个国家和地区的 140696 人次专业观众
140696 visitors from 77 countries and regions



Top 30 海外观众国家和地区
Top 30 Visiting Countries and Regions

韩国、印度、中国台湾、泰国、日本、俄罗斯、土耳其、巴西、印度尼西亚、马来西亚、越南、德国、西班牙、美国、中国香港、意大利、加拿大、哈萨克斯坦、法国、巴基斯坦、乌兹别克斯坦、澳大利亚、英国、墨西哥、波兰、白俄罗斯、新加坡、伊朗、保加利亚、葡萄牙

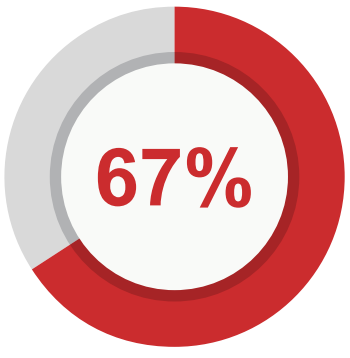
Top 6 观众所在行业 | Visitor Industries

- 铸件生产 Casting (Ferrous)
- 铸造设备 Foundry equipment
- 有色铸件生产 Casting (Non-ferrous)
- 铸造原辅材料 Raw & auxiliary material
- 贸易相关 Trade organizations
- 铸造下游行业 User industry

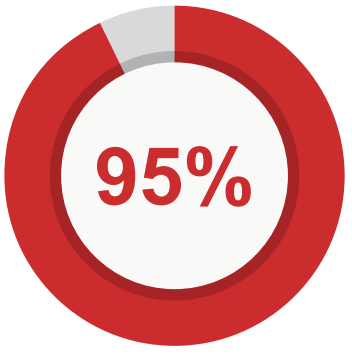
Top 5 参观理由 | Reasons for Visit

- 寻找新产品和行业新趋势 Find new products, new trends of the industry
- 购买铸造设备或铸件产品 Purchase castings or equipment from China
- 建立贸易联系 Establish contacts with Chinese suppliers
- 寻求商务合作 Look for opportunities to cooperate with Chinese companies
- 学习新技术 Learn new technologies of the industry

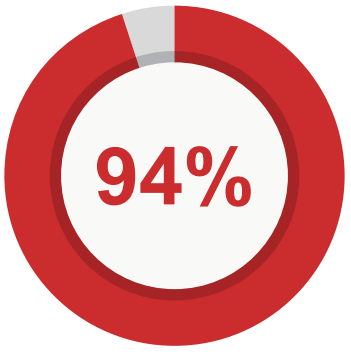
观众满意度 | Visitor Satisfaction Outcomes



决策者或参与决策者
of the visitors are decision makers



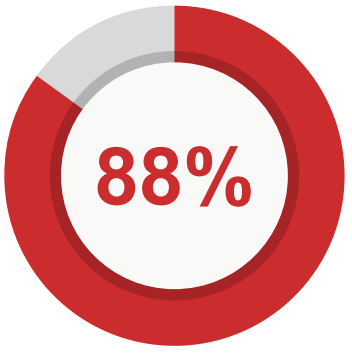
展示产品满足参观及采购需求
satisfied that the exhibits met their product interest



满足参观体验
satisfied with their visit experience



继续参观下届年展会
will visit the next exhibition



有采购需求
visitors may buy or order products or technologies exhibited

国际观众高频点赞
Highly Compliments by International Visitors

俄罗斯铸造采购团
Russia Delegation

本届铸博会、压铸有色展办展水准极高，组织安排细致，展会规模令人震撼。展会为业内人士搭建了优质高效的商务交流平台，完整呈现了当下铸造行业前沿发展趋势。参展企业包含行业老牌龙头与新兴创新企业，布局十分合理；现场交流氛围融洽，便于大家对接资源、分享行业见解，收获颇丰。

It was such an amazing exhibition and it was exceptionally well-organized, and the scale of Metal China 2026 was truly impressive. It offered excellent opportunities for meaningful networking and gave a clear overview of the current trends shaping the foundry industry. We found the balance between established players and emerging innovations particularly valuable, and the overall atmosphere made it easy to connect and exchange insights.

土耳其铸造采购团
Turkey Delegation

本次是我方首次组织会员参与铸博会活动，会员普遍反馈参加成效显著，顺利达成业内企业对接，整体满意度良好。在此谨向主办方的热情接待致以诚挚谢意，希望今后继续加强互访及合作。

This is the first time we organized our members to participate in Metal China. Our members reported fruitful outcomes and successful business liaisons within the sector, with a generally positive feedback. We express our sincere gratitude to the organizers for your generous reception, and wish to strengthen mutual visits and collaboration in the days ahead.

匈牙利压铸参观团
Hungary Diecasting Enterprise

很荣幸能参加 2026 铸博会 / 压铸有色展，非常感谢贵方的优秀组织和展会期间的会谈，让我们在展会上了解了最新的压铸技术和先进的产品。也感谢有机会参观工厂，我们参观了非常专业和令人羡慕的企业。此次中国行非常愉快，期待中匈两国在今后开展更多的压铸行业合作。

We were honored to participate in Metal China/Diecasting China 2026, thank you very much for the excellent organization and the discussion, and we have seen the up-to-date diecasting technologies and fantastic products at the exhibition. Thank you also for the opportunity to visit factories, we saw very professional companies and enviable. We had a great time! Looking forward to future cooperation in our industry between China and Hungary.



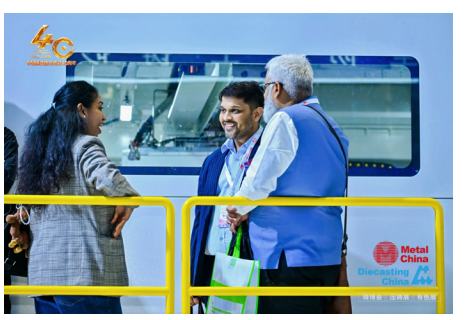










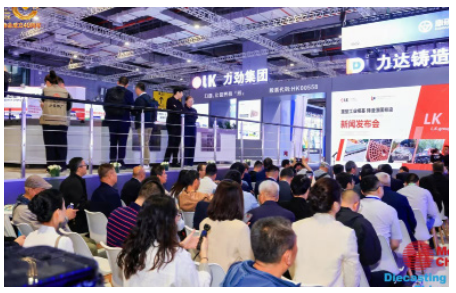


百余项同期活动引领行业方向
100+ Concurrent Events Leading Industry Trends











中铸协第十届会员代表大会暨十届一次理事会、第二十二届中国铸造协会年会胜利召开；技术交流会、新品发布会、人才合作、签约仪式、企业家对话、展品推介、国际交流等百余场同期活动精彩纷呈，从前沿趋势发布洞见产业风向，到行业热点交流碰撞思维火花，再到新品签约奏响合作强音，思想交汇、智慧碰撞，令四天展期熠熠生辉。

The 10th General Assembly and the First Session of the 10th Council of China Foundry Association, together with the 22nd Annual Congress of CFA, were successfully held. More than 100 concurrent activities including technical seminars, new product launches, talent cooperation forums, signing ceremonies, entrepreneur dialogues, product presentations and international exchanges presented a splendid lineup. From releasing cutting-edge trends to interpreting industry dynamics, exchanging views on hot topics to inspiring innovative ideas, and facilitating new product signings to deepening cooperation, the four-day event was highlighted by extensive idea sharing and intellectual exchanges.

铸造行业协同发展交流会——搭建国际交流平台 共促铸造产业发展
Exchange Conference on Coordinated Development of the Foundry Industry

5 月 5 日，“铸造行业协同发展交流会”成功举办。会议以搭建全球铸造行业沟通桥梁、促进技术与经验共享、推动产业协同发展为核心目标，来自中国、土耳其、巴西、俄罗斯、印度、德国、马来西亚、日本、印度尼西亚、美国等 20 多个国家和地区的行业领袖、学术专家出席会议，就行业现状和发展趋势交流实践经验、分享独到见解。

The Exchange Conference on Coordinated Development of the Foundry Industry was held on May 5. Centered on building a bridge for the global foundry industry, sharing of technologies and experiences, and advancing coordinated industrial development, the conference gathered industry leaders and experts from more than 20 countries and regions including China, Turkey, Brazil, Russia, India, Germany, Malaysia, Japan, Indonesia and the United States, to exchange practical experiences and share insights on the current situation and development trends of the industry.



压铸及有色技术专题交流会——解难题、促转化、链产业
Featured Conference on Die Casting and Non-ferrous Technology



压铸模具与先进成型、铝镁合金半固态成型等技术交流会配套专题技术展示区，汇聚行业龙头技术骨干、高校院所专家及全产业链嘉宾。会议紧扣行业痛点与前沿趋势，围绕模具材料、热处理、增材制造、工艺优化、铝镁合金半固态制备、精密成型等核心议题深度研讨。展会联动模式让观众实地直观体验前沿技术，搭建集技术交流、经验互通、供需对接、产业协作为一体的高端平台，推动模具技术迭代、企业降本增效，助力铸造产业创新高质量发展。

Symposiums on Die Casting Mold & Advanced Forming Technology and Aluminum & Magnesium Alloy Semi-Solid Forming Technology were held as supporting programs with the featured exhibition zones, gathering senior technicians from leading manufacturers, university and research institute experts, and industry-chain representatives. Focusing on industrial pain points and cutting-edge innovations, the forums deliver in-depth sharing covering mold materials, heat treatment, additive manufacturing, process optimization, alloy semi-solid preparation, precision forming tech and defect control, enabling visitors to view cutting-edge products, exchange technologies, share experiences and make business matching.



锁定行业盛会，共赴美好未来

See you in 2027, Tianjin, China



2027 铸博会 / 压铸展 / 有色展

Metal China/Diecasting China/Nonferrous China 2027

“十五五”期间，中国铸造产业将坚持绿色低碳、智能制造、轻量化、国际化发展方向，加快技术创新、产业升级与结构优化，持续巩固全球领先地位，为制造业高质量发展与“双碳”目标实现贡献核心力量。

In the 15th Five-Year Plan period, China's foundry industry will pursue green and intelligent development, lightweight technology and international cooperation. We will boost innovation, upgrade industries and optimize structures, supporting high-quality manufacturing and realizing the carbon goals.

2027 年 5 月 19–22 日，第二十五届中国国际铸造博览会、第二十届中国国际压铸工业展览会、第二十届国际有色及特种铸造展览会将在国家会展中心（天津）举办，将构建起一个覆盖铸造、压铸、有色金属等行业的全材质、全工艺、全产业链的展示、交流、贸易平台。预计参展商数量将达到 1000 家，同期举办 100 场配套活动，共同推动铸造行业高质量发展产业链的建设。我们谨向各界表示诚挚的感谢，并期待您的持续关注与积极参与。

The next Metal China/Diecasting China/Nonferrous China will be staged at the National Convention and Exhibition Center, Tianjin, from May 19th-22nd, 2027. A more splendid and perfect platform will cover the full processes and materials, products of foundry, diecasting, nonferrous sectors, with an expected 1000 exhibitors joining in the exhibition and 100 supporting programs being held concurrently, which will jointly build a high-quality development industry chain for the foundry industry again. We are expressing our heartfelt thanks and look forward to your continued attention and participation.

组织机构 ORGANIZATIONAL STRUCTURES

主办单位 Sponsor：中铸世纪展览（上海）有限公司 Zhongzhu Century Exhibition (Shanghai) Co., Ltd.
中国铸造协会 China Foundry Association

参展咨询 Booth inquiry

铸 造 设 备：王　闯　18911227990（同微信）wangchuang@foundry.com.cn
压铸及有色：陈海阔　13381183827（同微信）chenhaikuo@foundry.com.cn
铸 造 企 业：张舒婷　13381183592（同微信）zhangshuting@foundry.com.cn
铸 造 材 料：聂　飞　13331052837（同微信）niefei@foundry.com.cn

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李蒙蒙 18911227983（同微信） limengmeng@foundry.com.cn
Website: www.expochina.cn

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Ferroalloys

辅助材料
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耐火材料
Refractory Materials

冒口 过滤器
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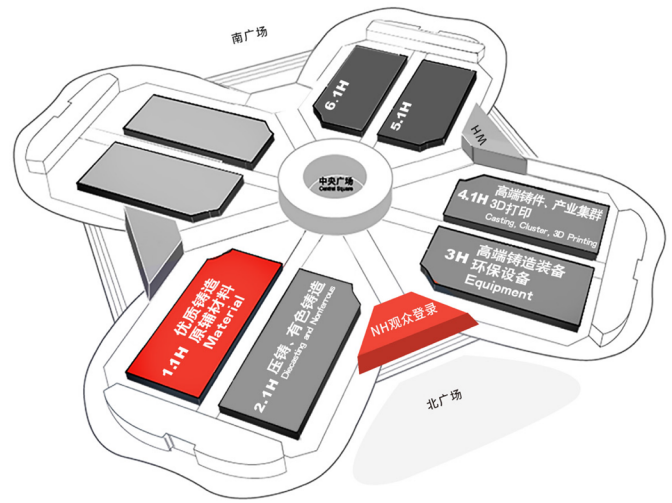
磨具磨料
Grinder & Abrasives

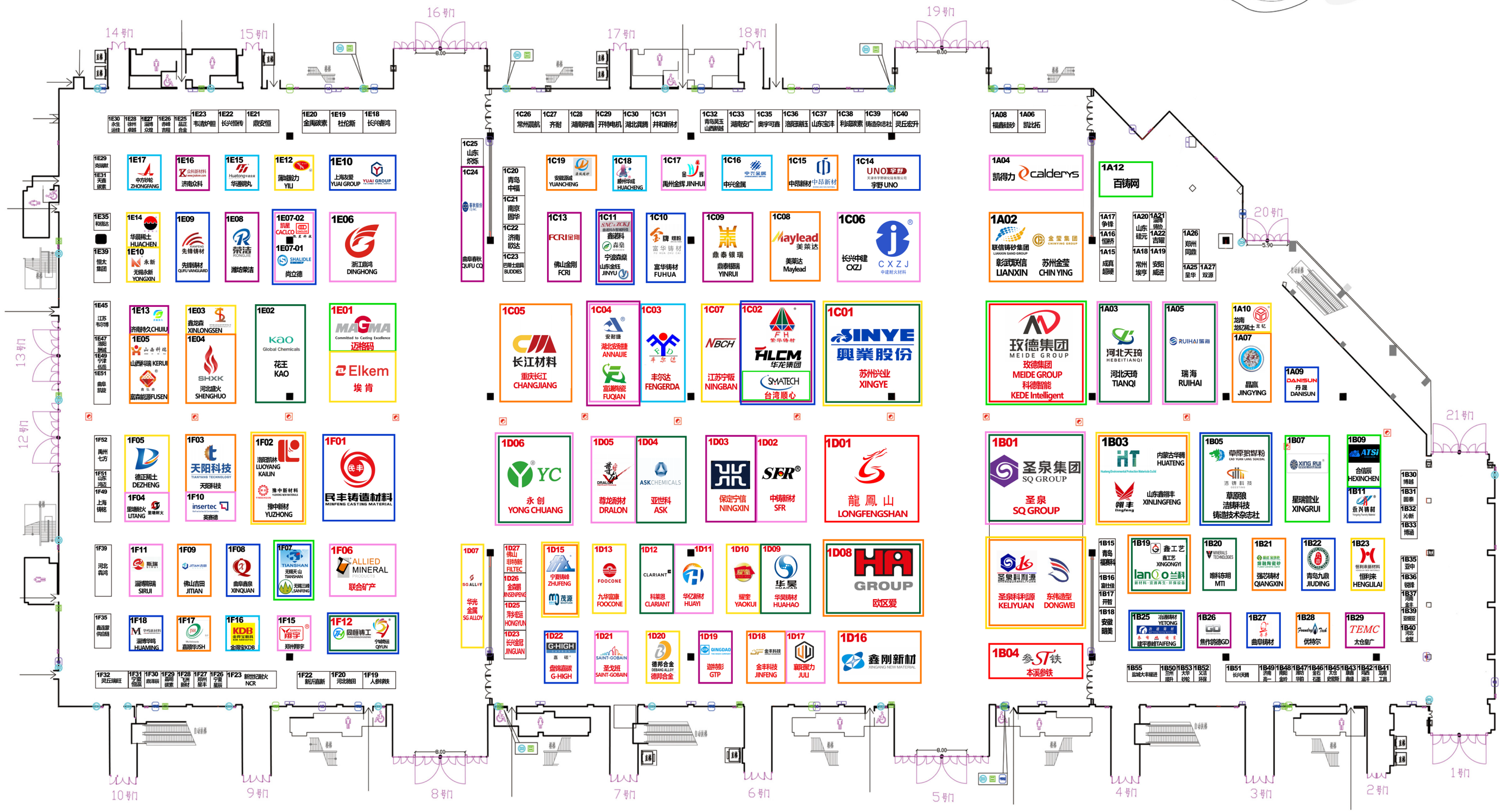
设备仪器及其他
Sand Tester & Other Test Instrument

HALL 1.1

优质铸造原辅材料

Material





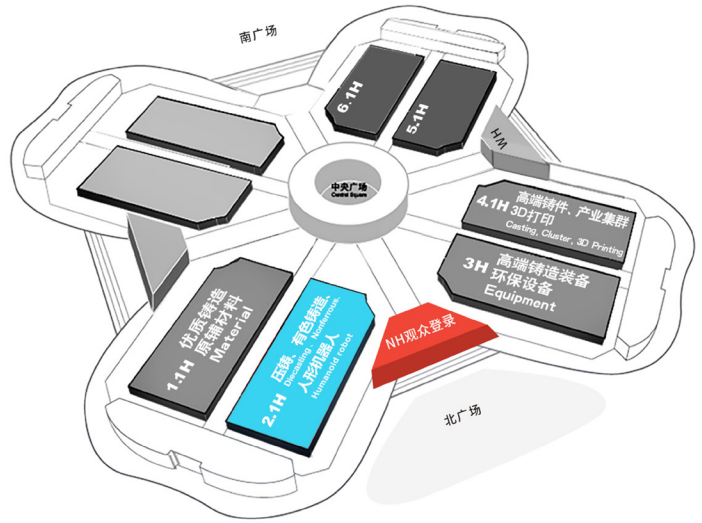
Metal China Diecasting China

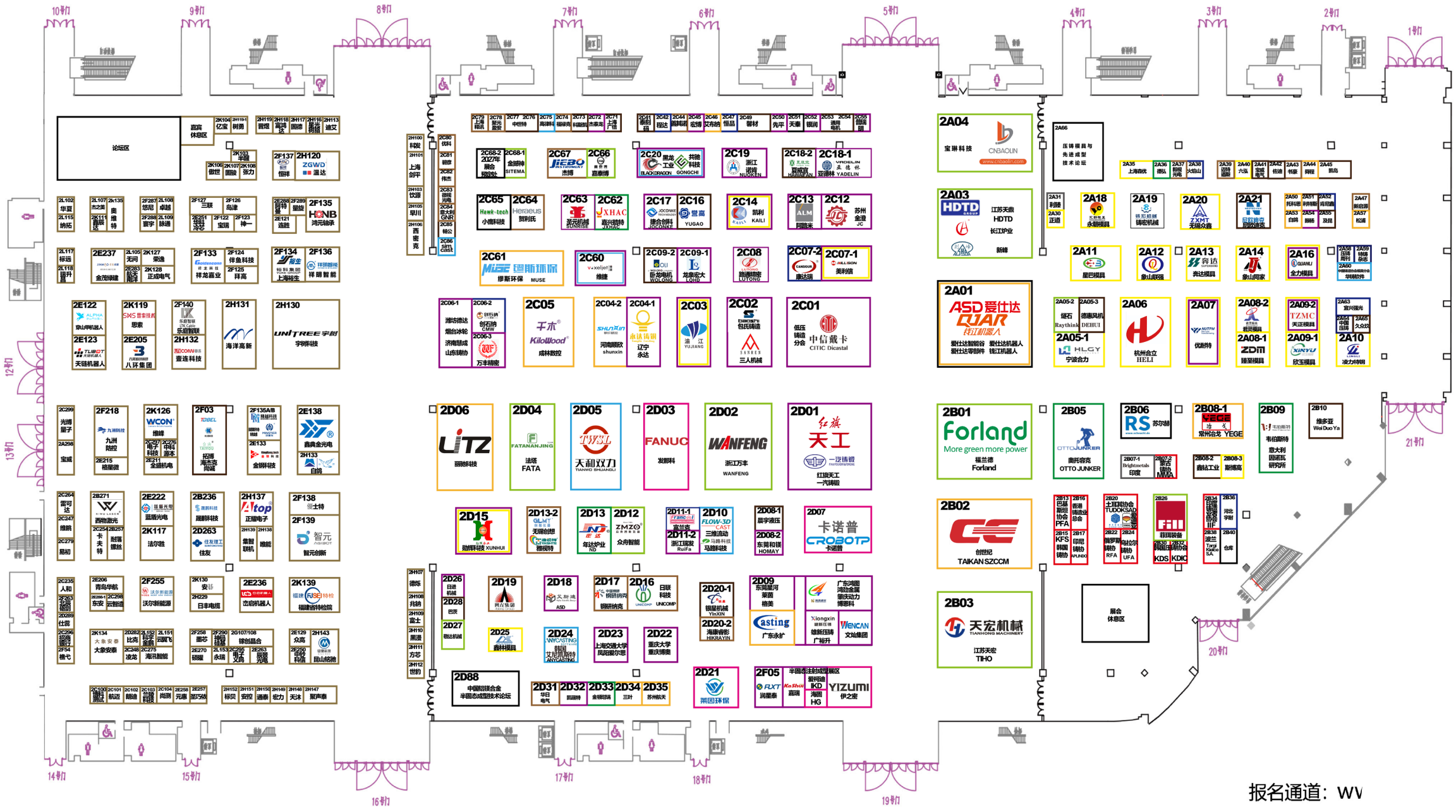
铝、镁、铜合金铸件 Aluminum、Magnesium、Copper alloy castings	压铸及周边设备 Diecasting and peripheral equipments	高压压铸机 重力/低压/差压铸造机 High pressure/gravity Low-pressure/differential casting machine	检测设备 Testing equipment
模具 Mould and die	材料 Materials	熔炼炉、坩埚 Furnace, Crucible	后处理 Post treatment
软件、3D打印 Software, 3D printing	合金材料 Alloy	通用设备及其他 General equipment and others	媒体 Media
人形机器人、新能源汽车、低空装备 Humanoid Robotics,New Energy Automobiles, Low-Altitude Aviation Equipment	行业组织 Association		

HALL 2.1

压铸、有色铸造、人形机器人

Diecasting , Nonferrous , Humanoid robot





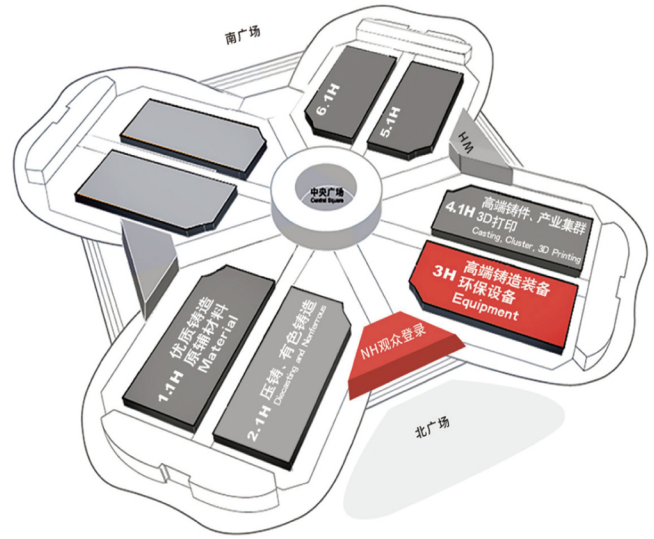
报名通道：WV

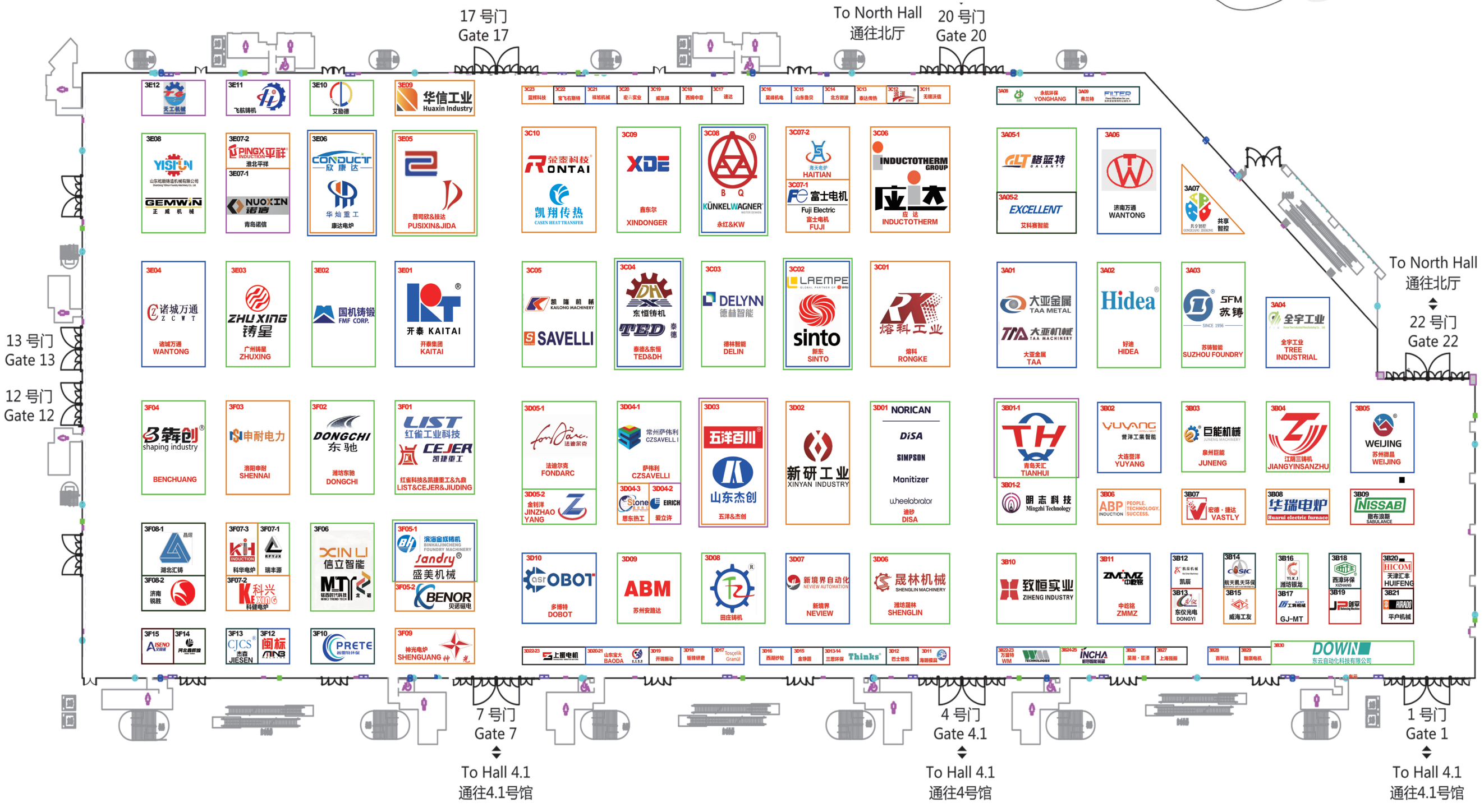
熔炼与浇注设备 Melting and casting equipments	铸件切割、清理设备 Casting cutting and cleaning equipments	铸件加工设备及工具 Casting machining equipment and tools
造型及制芯设备 Moulding and core-making machines	质量控制、检测设备及仪器仪表、工具 Quality control and testing equipments and instruments and tools	模具制造设备 Pattern making equipment
砂处理及再生设备 Sand preparation and reclamation plants	环保设备及用品 Pollution control equipment and tools	其他设备 Other type equipment

HALL 3

高端铸造装备、环保设备

Equipment





报名通道：www.expochina.cn

汽车铸件
Automobile Castings

农机及其内燃机铸件
Agricultural Machinery and Its Internal Combustion Engine Castings

工程机械\矿冶重机铸件
Construction Machinery, Mining & Metallurgical Heavy Machinery Castings

消失模产业链
Lost Foam Castings

铸管及管配件\水泵和阀门铸件
Cast pipe and pipe fittings
Pump and valve castings

机床铸件
Machine Tool Castings

轨道交通铸件/船舶铸件
Rail transit Castings\Marine Castings

增材制造设备
Additive Manufacturing Equipments

发电设备及电力铸件
Power generation equipment and power castings

精密铸造
Investment Castings

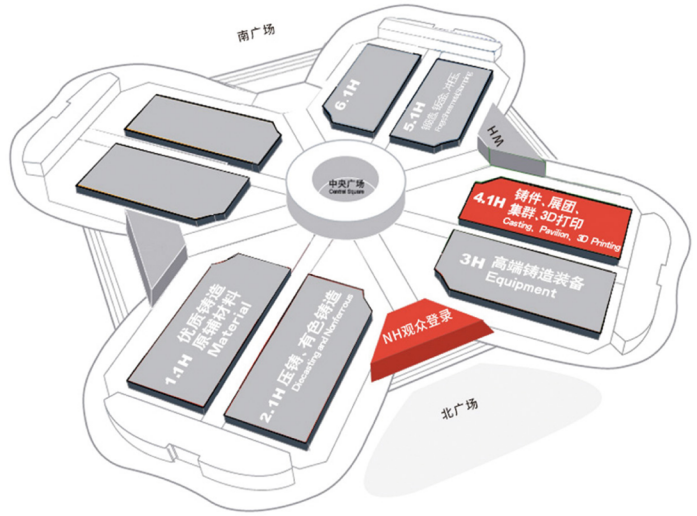
艺术铸造
Fine Art Castings

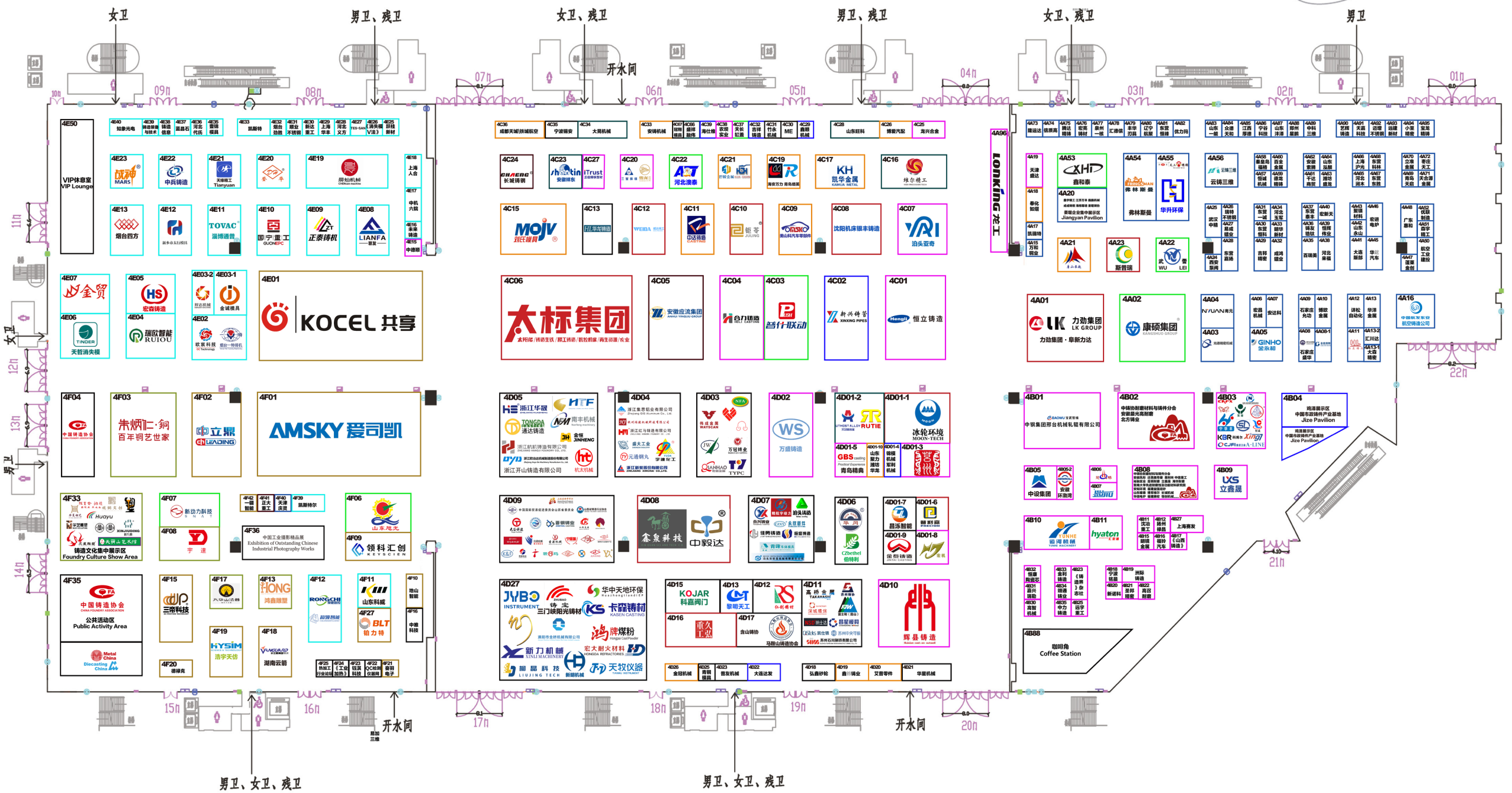
其他
Others

HALL 4.1

铸件、展团、集群、3D打印

Casting、Pavilion、3D Printing







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Metal Thailand 2026

2026.10.14-16 泰国曼谷

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