Confederation of Chinese Metalforming Industry

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中国锻压协会是非营利性社团组织,是锻造、冲压、钣金与制作行业利益 的代表,是锻造、冲压、钣金与制作企业的组织。服务于行业、服务于企业、 服务于政府和社会。

Confederation of Chinese Metalforming Industry (CCMI) is a unique national organization in Chinese forging, stamping/pressing and Sheet Metal fabricating industries. Its membership consists of forging, stamping/pressing and sheet metal / fabricating enterprises, research and project planning institutes, as well as universities, metal forming equipment manufacturers, material suppliers and other enterprises or organizations related to the metal forming field.





## 中国锻压协会服务于锻造、冲压、钣金与制作行业, 有下列主要分支机构:

- 锻造分会
- 冲压分会
- 冷锻分会
- 金属钣金制作分会
- 封头成形分会
- 航空材料成形技术分会

## 中国锻压协会实体机构:

- 北京富京技术有限公司
- 《锻造与冲压》杂志社有限公司



## 中国锻压协会 Confederation of Chinese Metalforming Industry

www.chinaforge.org.cn www.metalforming.org.cn www.stamping.org.cn

www.china\_forging.org www.metalfabricating.org.cn www.ccmi.org.cn





## CCMI is an organization concerning the forging, stamping and fabricating industry, Its branches are as follow:

- China Forging Industry Association (CFIA)
- China Sheet-metal Forming Group (CSFG)
- China Metal Fabricating Group (CMFG)
- China Cold Forming Group (CCFG)
- Aeronautical Materials Forming Group (AMFG)
- China Container Head Group (CCHG)

## The companies owned by CCMI are as follow:

- Fukin Technologies Services(Beijing)
- Form Press, INC.









#### 中国锻压协会秘书处主要工作部:

- 金属成形展事业部
- 行业研究室
- 头脑风暴专家服务中心
- 组织与国际联络部
- 财务部

- 会议部
- 教育培训服务中心
- 网络部/中国锻压网
- 事务部

## 以部门形式管理的工作委员会:

- 精冲工作委员会
- 汽车锻件工作委员会
- 工业炉工作委员会
- 精密高速冲压工作委员会
- 锻造下料装备工作委员会
- 金融工作委员会
- 钣金制作技术装备工作委员会 管材成形工作委员会
- 大锻件理事会

- 模具工作委员会
- 轨道交通锻压工作委员会
- 发动机连杆工作委员会
- 环件成形工作委员会
- 标准工作委员会
- 多向模锻技术委员会



















#### The Secretariat of CCMI has the following Departments:

- MetalForm China Division (MFCD)
- Lab for Forging and Metalforming Industry
- Brain-Storm Expert Service Center
- Administrative and International Department
- Financial Department

- Conference Department
- Training Service Center
- China Forge and Metalform Net
- Affairs Department

## The Divisions concerning special topics are as:

- Fine Blanking Division
- Automotive Forging Division
- Industrial Furnace Division
- High Speed Stamping Division
- Forging Billet Preparation Division
- Financial Work Division
- Fabricating Technology Equipment Division
- HeavyForge Council

- Tooling & Die Division
- Railway and Locomotive Forging Division
- Engine Con-Rod Division
- Ring Forming Division
- Standard Committee
- Multi-Ram Forging Committee
- Tube / Pipe Working Committee

# 宗旨与任务

## Objective and Functions

中国锻压协会旨在促进行业交流,推动和引导行业进步与繁荣,为行业的共同利益服务。 其基本任务是提供技术经济咨询服务;举办展览会、技术交流会、国际交流与考察活动;促进中外合作和进出口贸易;编制行规行约,制定团体标准,促进行业自律;开展行业研究,为企业、政府提供决策服务;组织开展技术研究、开发和推广,组织开展培训。

The objective and functions of CCMI are to promote metal forming industry progress and prosperity, and to serve the common interest of the forging, stamping/pressing and fabricating industry. CCMI provides the consulting services in technology and business, and holds international and domestic exhibition and conference and benchmarking. CCMI also publishes the community standards concerning trade, process, equipment and safety in the metal forming industry, organizes and carries out the investigation or research of metal forming industry to assist our memberships and fellows doing business and the government working out an industrial policy. CCMI also organizes the training of technology and business operation.







# 服务政府

## Service to Government

- 向政府部门提出有利于行业振兴和发展的经济和技术政策建议。
- 承办政府委托办理的事项。
- 协助企业贯彻标准,提出行业内部技术、经济管理的行规行约。
- 开展行业发展战略研究,争取有利于行业发展的政策。
- Submit to the Government for approval economic and technical policy recommendations which may stimulate prosperity of the forging, stamping and fabricating industry.
- Accomplish the tasks entrusted by the Government.
- Assist forging, stamping and fabricating plants to implement national standards, regulations and to compile trade standards and regulations.
- Survey of the industry.













# 信息服务

## Information Service

- 提供政府政策、经济、技术信息
- 利用网络为行业企业服务
- 网络信息服务 , 如中国锻压网 www.duanxie.cn
- 编辑发布行业技术经济研究报告

- 出版杂志等有关刊物
- 建立行业统计与数据库
- 编辑出版经济技术类书籍
- Provides information on Government policies, economics, technology, equipment, supplies, costing and trade.
- Publishes the magazine and newsletter, etc.
- Supplies the services to membership through internet.
- Sets up industry statistics, forging, stamping and fabricating data bank.
- Edits and publish information on the website such as Forging & Metalforming Net-www.duanxie.cn.
- Technical Document Edited and Published-<Forging Technologies>,<Stamping Technologies>,<Fabricating Technologies>.
- Study Reorpts on forging & metalforming including Pressing/Stamping and Sheet Metal/ Fabricating.



# 技术交流与咨询服务

## Engineering Service and Consultation

- 组织生产、经营管理和技术的交流与咨询
- 人员教育培训
- 技术及设备推广
- 产品及市场研究、产品评审、专题研究、技术分析
- 雅岛学习网
- Offers engineering service and consultancy work upon request.
- Education and training.
- Introduces the technologies and equipment to memberships.
- Market, technology survey and study, evaluation of products and technology for memberships.
- Yadao Education & Training Net\_www.yadao.net;



# 国际交流与合作

## International Relations and Cooperation

- 举办国际会议
- 接待考察和交流
- 组团出国参展及考察
- 促进中外贸易合作
- 举办大型行业国际展览会
- Holds international conferences.
- Hosts benchmarking tours and technical exchange.
- Participates in the exhibitions held overseas.
- Promotes international trade and cooperation.
- Organizes international exhibition.



# "九月节"

## "SepDay"

夏秋之交,金色的九月总是让人充满期待!突然发现,多年来中国锻压协会无意间将锻造、冲压与钣金制作行业的重大活动都安排在了这个时段举行,已经形成了行业大聚会和信息大交流的鲜明特色。为了纪念行业这一具有重大意义的现象,也为了继续有计划、有组织地强化行业活动,提升行业凝聚力,推动行业不断进步,中国锻压协会将这一具有纪念和象征意义的现象定义为"中国锻造、冲压和钣金制作行业的<九月节(英文称为 SepDay)>"。

< 九月节 > 设立的重大意义在于我们将一种现象永恒地固化下来,让 < 九月节 > 这一易于铭记的符号成为行业的一面旗帜,一个图腾。借此来庆祝我们这个古老而充满活力,艰苦却作用巨大的行业,对工业发展、社会进步所作出的巨大贡献;纪念行业同仁们为"凝聚企业、发展行业、提升产业"所做的艰苦努力和卓越贡献;推动我们这个时常被制造业边缘化行业的进步与发展;促进实现我们共同的梦想!

让行业同仁和关心我们的朋友们共同努力,在建设好我们共有的家园 – 中国锻压协会的同时,积极构建和利用 < 九月节 > 这个行业展示展现、交流学习的大聚会平台,提升行业在国际同行和整个制造业中的话语权,不遗余力地发展我们自己,为推动中国整个制造业的持续进步做出更大贡献!

SepDay, an Event or Feast, was established by CCMI (Confederation of Chinese Metalforming Industry) in 2016 to commemorate forging, stamping (pressing) and fabricating (sheet metal) industry, and held once a year in China. It is a very important and the only major gathering of professionals, business managers and industry information in China.

In SepDay, you will find MetalForm China Exhibition and Conferences are focusing on forging, stamping (pressing) and fabricating (sheet metal) technology, equipment and management experience etc.



| 锻造、冲压与钣金制作节日



# Our Idea 我们的理念

强化交流,丰富活动,方便联络。

Strengthen the Exchanges and Communication

# 分支机构 Branches

## 锻造

## Forging

全国目前约有锻造骨干企业 560 多家。2021 年全国锻件年总产量约 1403.2 万吨,其中模锻件约 940.6 万吨,汽车锻件 622.5 万吨。2021 年自由锻件产量约 462.6 万吨,其中,环锻件约 107 万吨。面向制造强国的锻造行业将朝着"精密化、数字化、高效化、信息化、自动化、轻量化、智能化、绿色化和低能化方向发展。锻造行业制造企业进一步加深产学研合作,加强软、硬件建设,满足锻件轻量化一体化的市场需求,加大研发投入和创新力度,提高锻件技术含量、质量等级。为适应高端锻件发展趋势,进一步开展锻件关键工艺优化与标准化,研究解决共性技术问题,提高锻件质量稳定性。锻造产品必须参与全球化竞争,这不仅仅体现在产品质量,也体现在生产效率和能源消耗,大力发展新的锻造技术,将锻造设备、工艺、检测和控制有机结合起来,通过研发"感知、决策、执行"的智能化技术来提升我国的锻造水平,使其不仅在产品质量上满足高质量要求,而且在高生产效率和低能耗上具备世界竞争力,为用户提供可信赖的产品。

There are more than 560 forging companies to be considered as key forging producers in China, which account for around 90% of total forging output. In 2021, total of forging output is about 14,032,000 tons; among which there is 9,406,000 tons closed-die forgings including 6,225,000 tons automotive forgings. The output of open-die forging is 4,626,000 tons including 1,070,000 tons ring forging.

Precision, digitalization, high efficiency, informationization automation, lightweight, intelligent, green production and energy saving has to be focused on by forging industry in the future.

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## 冲压

## Sheet-metal Forming

改革开放四十多年来,随着汽车、电子、家电和五金等行业的飞速发展, 我国冲压行业取得了令人瞩目的成就。

据推算,2022年我国冲压行业约有规模以上冲压企业(车间)2.5万多家,从业人员200多万人,年生产5000万吨冲压件,总销售额达10000亿元以上。年消耗6mm以下金属板材8000多万吨,消费冲压模具1000多亿元,新购冲压技术装备300多亿元。



With the rapid development of automobile, electronics, household appliances and hardware industries etc., the stamping/pressing industry has made remarkable achievements.

Approximately 25,000 stampings manufacturers are existed in 2022, and there are more than 2 Million employees and 50 Million tons stampings were produced annually. The total sales value was more than RMB1000 Billion and over 80 Million tons steel sheet, the thickness less than 6 mm, were consumed every year. The purchase value of tooling/die, excluding hot stamping and plastic injection mold, was more than RMB100 billion and the equipment/machine was over RMB30 Billion.





中国锻压协会冲压分会 China Sheet-Metal Forming Group

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# 金属钣金与制作

## Metal Sheet / Fabricating

中国现代钣金制作行业的形成是随着我国电力电气、网络通讯、汽车、电子电器、家用电器和建筑装修等行业的发展而发展起来,只有20多年的历史。

随着我国制造业的崛起,同时由于钣金制作行业门槛不高,我国钣金制作行业得以迅速发展。据推算,2022年,钣金制作行业从业大军500多万人,规模以上企业(车间)5万多家,消耗金属板、管、棒、线和型材等6亿吨。每年创造工业增加值1万多亿元,采购各种下料和成形装备500亿元。



The modern sheet metal/metal fabricating industry was formed and developed along with the development of China's electric power, network communications, electronic appliances, household appliances and building decoration etc., which is only 20 years of history in China.

With the rise of the manufacturing industry in China, and the lower entry barrier of sheet metal/fabricating business, the sheet metal/fabricating industry in China has brought in the rapid development. There was approximately 5 Million employees and RMB1000 Billion industrial added value in 2022. The total of sheet metal/Fabricating manufactures with considerable scale is about 50,000 Billion.





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## 冷锻

## Cold Forming

冷温精锻是实现锻件净近成形的一种先进工艺方法,但在绿色生产和环境保护要求愈来愈严格的情况下,温 – 冷联合成形和热 – 冷联合成形的竞争力更强,并将成为我国汽车零部件精密锻造发展的主流。冷温精锻压力机是实现冷温精锻工艺的关键装备,特别是近几年出现的多工位锻冲复合成形技术和轿车变速箱输入 / 输出轴多工位成形技术及专用机械式多工位压力机,是其他技术所无法取代的。这些新技术赋予了冷锻技术全新的生命力。目前将伺服技术应用到 1250 吨及以下所有冷锻压力机机型上,并且推广到了 650吨温锻压力机上。



依据推算,2021年生产功能部件的冷温成形企业约有70多家,全国拥有各类生产线210多条。

Cold and warm precision forging is an advanced process to produce the near net forgings. In the case of more and more stringent requirements for green production and environmental protection, the competitiveness of warm-cold combined forming and hot-cold combined forming is stronger, and which will become the mainstream of the development of precision forging for automobile parts in China. The cold and warm precision forging press is key equipment for cold and warm forging, the multi-station forging-stamping combined forging process, multi-station forming technology for input/output shaft of car gearbox and special mechanical multi-station press for cold and warm forming was introduced in recent years, which could not be replaced by other technologies. The a.m. process gives new vitality to cold forging technology. At present, servo technology is applied to all cold forging press models up to 1,250 tons, and it has been extended to 650 tons warm forging press.

There are approximately more than 70 cold and warm forging producers in China in 2021, and over 210 cold or warm forging lines.



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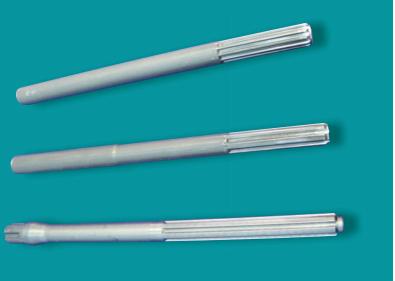


















## 航空材料成形

## Aeronautical Materials Deformation

飞机及航空发动机许多重要件和关键件采用锻件加工而成。 这些航空锻件的显微组织、力学性能、质量等对飞机和航空 发动机的服役性能、使用可靠性和成本具有重要作用。航空 发动机相当于飞机的心脏,先进的航空发动机上,镍基高温 合金和钛合金的用量分别约占发动机总重量的 55% - 65% 和 35% - 40%。高性能飞机和先进航空发动机的发展对优质高性 能锻件提出了迫切需求,航空锻压技术正朝着整体精密、质量 可控、绿色环保和多学科技术交叉应用的方向发展。



Many important and key components of aircraft and aero-engines are produced by forgings. The microstructure, mechanical properties and quality of these aviation forgings play an important role in the service performance, reliability and cost of aircraft and aero-engine. The aero-engine is equivalent to the heart of an aircraft, on advanced aero-engines, the nickel-based super alloys and titanium alloys account for 55%-65% and 35%-40% of the total weight of the engine, respectively. The development of high-performance aircraft and advanced aero-engine urgently demands premium quality forgings. The aviation forging technology is developing towards the direction of integrated, precision, controllable quality, green and multi-disciplinary technology crossapplication.





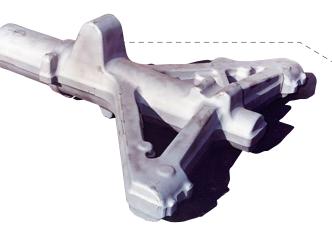
中国锻压协会航空材料成形技术分会 Aeronautical Materials Forming Group

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# 封头成形

## Container Head Forming

目前国内有 200 多家封头制造企业(车间),并逐渐向专业化、 民营化方向发展,总产量约 140 多万吨。在经济上独立核算、 具有一定生产规模的封头专业厂 100 多家。中国锻压协会封头 成形委员会成员 120 家。

国内拥有 60000-390000kN 封头冲压液压机近 50 台, 其中 100000kN 以上的大型封头冲压液压机达 20 台; φ 6500-120000mm 两步法旋压机 60 台套左右, 其中 φ 90000mm 以上的达 10 台套。

There are over 200 container-head forming companies (or workshops) in China, which are becoming professionalization and privatization gradually, and the total output is about 1.4 million tons. There are over 100 professional container-head producers with considerable scale. 120 container-head forming companies (or workshops) are CCHG's memberships.

There are about 50 sets of 60,000-390,000 kN hydraulic presses for container-head forming in China, including 20 sets of over 100,000 kN hydraulic presses. In addition there are about 60 sets of  $\varphi$  6,500-12,000mm pressing and flanging machines, including 10 sets of over  $\varphi$  9,000-12,000mm pressing and flanging machines.

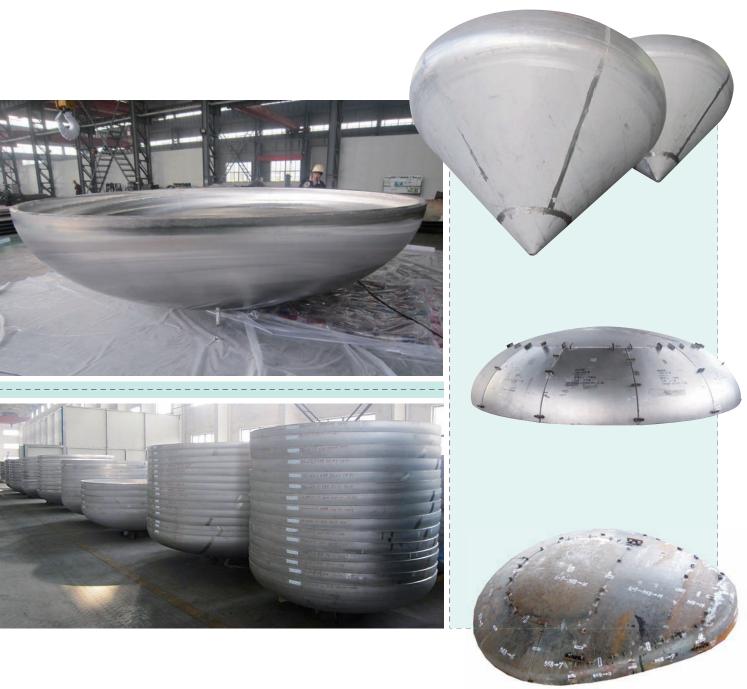


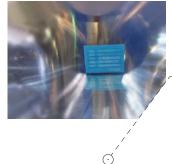




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# Our Philosophy 我们的原则

为了我们共同的愿景,帮助那些需要帮助的,做好我们要做的。

For our common vision and bright future, help those who need help, do what we need to do.



# 北京富京技术有限公司

## Fukin Technologies Services (Beijing)

北京富京技术有限公司隶属于中国锻压协会,依托行业平台、整合优势资源,为中国的锻造、冲压、钣金制作、铸造、冶金等行业提供技术、设备、管理等方面的服务。致力于成为研发、设计、制造、咨询于一体的综合服务供应商。

富京炉窑主要从事工业炉窑、燃烧系统、换热设备的研发、设计、制作、安装和工程总承包。

富京科贸主要从事锻压相关设备、研发设计软件(CAD/CAE/CAM)和管理软件的代理,以及自动化系统、MES系统的推广和应用,赋能企业数字化智能化转型。





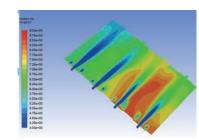




北京富京技术有限公司 Fukin Technologies Services (Beijing)

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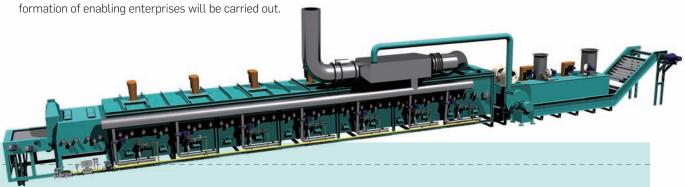
网址 Website: www.forgetech.com.cn



Fukin Technologies Services (Beijing) belongs to Confederation of Chinese Metalforming Industry (CCMI). Relying on the CCMI's platform and integrating advantage resources, Fukin could provide technical, equipment introducing and business management services for forging, stamping/pressing and sheet metal/fabricating industries in China. Fukin has been committing to become a research and development, design, manufacturing, consulting in one integrated service provider.

**Fukin Furnace** has gathered up qualified professionals in R&D, designing, manufacturing, installation, commissioning and project contracting in furnaces, burning systems and heat exchanging equipment.

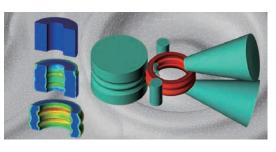
**Fukin TechTrade** is mainly engaged in forging and its supporting equipment, process and management software agent, as well as the promotion and application of automation system and MES system, the digitalization and intellectualization trans-



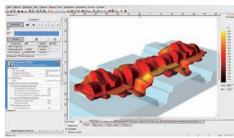












# 《锻造与冲压》杂志社有限公司

Form Press, INC.

《锻造与冲压》杂志社有限公司是中国唯一专门从事锻造、冲压、钣金制作和相关领域杂志编辑出版工作的企业,目前每年发行《锻造与冲压》(锻造版)、《锻造与冲压》(冲压版)和《钣金与制作》、《中厚板加工》四类内容的共40期杂志。为了更好地服务行业,公司正在筹备编辑发行与装备制造业、航空航天、汽车制造等行业都有密切关系的"管材管件加工"、"3D 打印与增材制造"、"智能和绿色制造"装备与技术方面的杂志。











#### 《锻造与冲压》

FM《锻造与冲压》由中国锻压协会主办,是一本以市场需求为导向,集技术、产品、市场产业文化与管理为一体的综合性高端杂志。《锻造与冲压》为半月刊,分锻造版和冲压版,大 16 开,全四彩印刷,月发行量近 2.5 万册,采取 B2B 发行模式,具有锻造、冲压行业针对性最强、覆盖有效率最高的读者群体。

#### 《钣金与制作》

FAB《钣金与制作》由中国锻压协会主办,是国内唯一一本面向钣金制作、管型材加工行业的综合性高端杂志,并以市场需求为导向,集技术、产品、市场、产业文化与管理为一体。《钣金与制作》为月刊,大 16 开,

全四彩印刷, 月发行量 2 万册, 采取 B2B 发行模式。内容坚持"先进性、适用性、市场性、新闻性、前瞻性"。

#### 《中厚板加工》

PW《中厚板加工》杂志是中国锻压协会主办的面向厚度 大于(或等于)6mm的金属中板、中厚板、厚板、特厚 板材加工,厚管加工,钢结构成形行业的综合性高端杂 志。杂志为季刊,每季度末月的20日出版,每期发行量 1万册。

#### 未来发展

未来,"管材管件加工"、"3D 打印与增材制造"以及 涉及"智能和绿色制造"方面的杂志值得期待。



《锻造与冲压》杂志社有限公司 Form Press, INC.

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Form Press, INC., founded by CCMI, is a unique company in China specializing in editing and publishing the magazines concerning the forging, stamping/pressing and sheet metal/fabricating industries. We distributed 40 issues annually , including <Foring & Metalforming>, <Fabricating> and < Plate Working> , and we try to develop the new magazine to covering tube & pipe, 3D printing & additive manufacturing and Intelligent & green manufacturing field.

#### Forging & Metalforming

FM started publication in 1983, are edited and published by CCMI. This magazine concentrated on services to forging, stamping /pressing with the information of technology, process, equipment, management, market, and some practice experience and industry cultures. The magazine reaches almost all companies in the forging, stamping/pressing industries in China. Forging & Metalforming (total of 24 issues annually, 12 for forging and 12 for stamping) is printed with 4-colore and distributed over 25,000 copies per issue.

#### **Fabricating**

FAB started publication in 2008, which is edited and published by CCMI. This magazine concentrated on services to sheet metal/ fabricating/profile and wire working industries with information of technical services.

nology, process, equipment, management, market, and some practice experience and industry cultures. The magazine reaches almost all companies in fabricating industries in China. Fabricating (total of 12 issues) is printed with 4-colors and distributed over 20.000 copies per issue.

#### **Plate Working**

PW started publication in 2015, which is edited and published by CCMI. This magazine will be appeared on the desk of the major decision makers, professor, technician and administrative person in the plate and section bar working term, university/college, research institute and related government department. PW will be delivered on 20th of the last month of each quarter, and the circulation exceeds 10,000 copies per issue.

#### The Expanding

The magazines concerning tube & pipe, 3D printing & additive manufacturing and intelligent & green manufacturing should be expected.



Our Belief 我们的信念 担负起社会责任、会员责任、单位责任、集体责任和个人责任!工作中要坚持锐意改革、着力发展、坚持开放、以人为本、促进和谐。

Take on the responsibilities such as social, membership, unit, collective and individual! We should persist in reform, development, openness, people-oriented and harmonious work.

# Department

# 金属成形展事业部

## MetalForm China Division (MFCD)

负责协会的各种展览会、展示会;组织行业企业参加国内外展览会(展示会)和参观国内外展览会(展示会)。 同时为促进自办展览会招展、观众组织和营销效果而举办各种配套活动。

## 展览会

中国国际金属成形展

- 中国国际锻造展览会 (ChinaForge Fair)
- 中国国际冲压技术及设备展览会 (SheetMetal China)
- 中国国际钣金加工展览会 (MetalFab China)
- 中国国际金属成形零部件博览会 (MetalComp China)
- 中国国际连接焊接展览会 (JointWeld China)
- 中国国际金属成形工模具展览会 (Die & Tool China)













Die & Tool China 中国国际金属成形模具属览会

中国唯一专注于锻造、冲压和钣金制作行业的知名专业展览会, 展会每年举行, 每两年在上海举行一届。

## 展览会同期举办

- 中国国际经济与金属成形行业发展论坛
- 锻造、冲压和钣金制作新技术及设备滚动发布会
- 优秀锻造、冲压和钣金制作优秀装备与技术供应商推荐
- 中国国际锻压采购商大会
- "神工奖"优质金属成形零部件评选
- 高校、研究院所与企业之间的项目对接、人才推介

#### 其它工作

- 展览会配套的各种专题研讨会、报告会
- 组织企业出国参展、参观和考察
- 锻压装备智商评价,对锻造、冲压和钣金制作装备的信息化、智能化做出评价

#### 编辑出版

- 《世界锻压装备与技术采购指南》
- ●《中国锻件、金属板材、管材和型材成形零部件采购指南》

电话 Tel: 010 5305 6669 传真 Fax: 010 5305 6644 电子邮件 Email: exhibition@chinaforge.org.cn metalform@chinaforge.org.cn 官方微博 Chinese Twitter: www.weibo.com/metalformchina 微信公共账号 Public Wechat: china- metalform 网址 Website: www.chinaforge.com.cn www.china- metalform.com







Exhibition Department is responsible for holding the exhibitions/expositions/displays concerning forging, stamping/pressing and sheet metal/fabricating industry, and promoting memberships to visit or take part in the exhibitions abroad The meetings, conferences and summits etc. related with the exhibition will be held accordingly.

#### **Exhibition**

Metalform China Exhibition

- ChinaForge Fair Exhibition
- SheetMetal China Exhibition
- MetalFab China Exhibition
- MetalComp China Exhibition
- JointWeld China Exhibition
- Die & Tool China Exhibition

MetalForm China Exhibition organized by CCMI, is a unique famous show focusing on metal forming industry in China. The exhibition was regularly held every year, but in Shanghai once two years.

#### The supporting events are as follow

- ECO-MetalForm Summit
- Latest Technology and Products Promotion Press
- Qualified Suppliers Recommended
- Buyers Forum for Forging, Stamping and Fabricating Parts
- "Shen Gong(Masterpiece)" Metal Formed Parts Awards
- On-site Promotion Meeting for Technology and Talents

#### Other activities

- Hot Topic Seminars/Symposium Related Exhibition
- To Organize Participating in and Visiting Overseas Exhibitions
- Evaluating IQ of metal forming machinery

#### **Publications**

- Metalforming Machinery & Technology World Buyers Guide
- Forgings, Sheet, Tube & Section Metal Formed Parts China Buyers Guide



## 会议部

### Conference Department (CD)

组织召开或参加锻造、冲压和钣金制作行业内举行的各种国内外会议,包括年会、国际性技术会议、专题会议。负责组织行业企业在参会的同时开展国内外交流参观。



#### 已有的会议(名称和内容可能会有调整)

- 中国锻压协会代表大会
- 中国(模锻)锻造大会
- 全国锻造企业厂长会议
- 中国锻造技术大会
- 基础理论与实用技术研讨会
- 锻造行业企业、高校、科研院所交流合作研讨会
- 中国模锻技术大会
- 基础理论与实用技术研讨会
- 模锻造行业企业、高校、科研院所交流合作研讨会
- 中国自由锻技术大会
- 全国自由锻企业厂长会议
- 基础理论与实用技术研讨会
- 自由锻造行业企业、高校、科研院所交流合作研讨会
- 中国(国际)自由锻会议
- 中国冷温热精锻会议
- 中国模锻(自由锻)行业热处理工艺及设备研讨会
- 中国锻造模具与润滑研讨会
- 中国典型锻造设备与工艺会议 下料、清理和锻件检测
- 有色金属(特种合金)锻造(润滑、模具)会议
- 典型锻造零部件先进制造技术论坛-曲轴专题/环件专题/齿轮与轴专题/转向节与轮毂专题/发动机连杆专题/等等
- 轨道交通锻压技术装备与技术论坛 (XX 年轨道交通锻压委员会会议 )
- 锻造行业节材降耗、节能减排高峰论坛
- 现代锻造装备高峰论坛
- 锻造计算机、技术应用与工艺模拟技术研讨会 CAD/CAE/CAM/ERP
- 金属成形行业自动化与信息化技术研讨会 锻造自动化与信息化应用
- 中国冲压大会
- 全国冲压企业厂长会议
- 中国冲压技术大会
- 基础理论与实用技术研讨会
- 冲压行业企业、高校、科研院所交流合作研讨会
- 中国汽车冲压会议 先进冲压技术与模具高峰论坛 / 车身成形论坛

- 中国典型冲压设备与工艺论坛 热冲压、液压成形和深拉深
- 冲压计算机、信息化技术应用与工艺模拟技术研讨会 CAD/ CAE/CAM/ERP
- 中国精密高速冲压技术研讨会(XX 年精密高速冲委员会会议)
- 中国精冲技术研讨会(XX 年精冲委员会会议)
- 金属成形行业自动化与信息化技术研讨会 冲压自动化与信息化应用
- 中国钣金与制作大会
- 全国钣金与制作企业厂长会议
- 中国钣金与制作技术大会
- 基础理论与实用技术研讨会
- 钣金与制作行业企业、高校、科研院所交流合作研讨会
- 中国汽车钣金会议 底盘、车门等零部件成形设备与技术
- 中国典型钣金制作设备与工艺论坛 冲剪折弯与复合柔性加工单元智能车间/建筑行业辊压和滚压成形/钣金加工技术/激光加工/金属管子管材制作/机箱机柜
- 钣金计算机、信息化技术应用与工艺模拟技术研讨会 CAD/CAE/CAM/ERP
- 中国钣金加工技术研讨会
- 中国冲压与钣金制作会议-家用电器行业/电梯行业/电子电器、计算机与信息设备行业/汽车和拖拉机行业
- 金属成形行业自动化与信息化技术研讨会 金属板材成形 / 冲压 / 钣金制作自动化与信息化应用
- 中国冲压与钣金制作轻量化技术研讨会
- 中国封头技术研讨会 (XX 年封头委员会会议)
- 锻压行业财务工作交流会
- 锻压行业人力资源与教育工作研讨会

### 参加或申办的国际会议

- 国际锻造会议 国际自由锻会议 国际板材加工会议
- 亚洲锻造会议 美国锻造博览会 欧洲锻造联盟会议

我们始终坚持行业需要,这是我们会议创办的原则,值得 期待!

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Conference Department holds the meetings/symposiums or regular congresses/conferences, which build up the exchanging platform for forging, stamping/pressing and sheet metal/fabricating industry. It also organizes delegation from the industries to take part in the international events.

### Meeting/Conference/Congress/Summit Existed in China (the name and topics might be changed)

- Members'Representative Assembly
- Forge Meeting China
- -Forging Directors Meeting
- ForgeTech China
- -Theory & Practical Tech Meeting
- -R&D/Education/Production Cooperation(Forging)
- ForgeTech China
- -Theory & Practical Tech Meeting
- -R&D/Education/Production Cooperation(Closed-Die Forging)
- Open-Die ForgeTech China
- -Open-die Forging Directors Meeting
- -Theory & Practical Tech Meeting
- -R&D/Education/Production Cooperation(Open-Die Forging)
- OpenForge Meeting-Domestic/International
- HiForge Meeting
- ForgeHeat Treatment Conference-Closed-die/Open-die
- ForgeTool and Lub China Meeting
- Typical ForgeProcess Meeting- Cleaning/Billet Preparation/Inspection
- Nonferrous/Special Alloy Forging Conference-Lub & Tooling
- Typical ForgeTech Meeting-Crankshaft/Rings/Gear and Shafts/Knuckles, Hub and Wheel/Con-rods/etc.
- Railway and Locomotive Forging Technology Conference (Railway and Locomotive Forging Meeting' XX)
- ForgeSaving Meeting
- ForgeEquip China Meeting
- Meeting on Computer, Information and Simulation Tech. in Forging Industry-CAD/CAE/CAM/ERP
- Network and Information Meeting in Forging & Metalforming Industry-Application of Automatic Technology and Informatization
- P&S Meeting
  - -Stamping Directors Meeting
- StampingTech China
  - -Theory & Practical Tech Meeting

- -R&D/Education/Production Cooperation(Pressing & Stamping)
- AutoStamping China Meeting-Advanced Tech. and Tooling Summit/Autobody Forming Summit
- StampingSummit-Hot Stamping, Deep Drawing and Hydroforming
- Meeting on Computer, Information and Simulation Tech. in Stamping Industry CAD/CAE/CAM/ERP
- High Speed Stamping Technology Conference(High Speed Stamping Meeting' XX)
- Fine Blanking Technology Conference(Fine Blanking Meeting' XX)
- Fine Blanking Technology Conference(Fine Blanking Meeting' XX)
- Blech Meeting
  - -Fabricating Directors Meeting
- BlechTech China
  - -Theory & Practical Tech Meeting
  - -R&D/Education/Production Cooperation(Sheet Metal & Fabricating)
- AutoFab China Meeting-Chassis/Door/Other Parts
- Fab Summit-Puch, bending and Integrated and flexiblyforming Unit and Intelligent Workshop/Construction Rolling Forming/Fab Processing Tech/ Laser Cutting and Forming/Chassis and Cabinet
- Meeting on Computer, Information and Simulation Tech.in Fabricating Industry-CAD/CAE/CAM/ERP
- Network and Information Meeting in Forging & Metalforming Industry-Application of Automatic Technology and Informatization in Sheet Metal/ Fabricating Industry
- Fab Processing Tech Summit.
- Stamping & Fabricating Summit-Household appliances/ Elevator/Electronic and electrical appliances & Computer and Information Equipment/Automotive and Tractors
- Light-weight in Stamping/Pressing and Fabricating/Sheet Metal
- Container Head Forming Technology Conference(Container Head Directors Meeting' XX)
- Financial Work Conference
- Human Resources, Training and Education Work Conference



### International Meeting/Conference/Congress/Summit to be participated or applied to be held in China

- International Forging Congress
- International Forgemaster Meeting
- ICOSPA Congress
- AsiaForge Meeting
- ForgeFair
- ConFair

We will organize more special conference/meeting/congress/summit based on the demand from our industries.

## 行业研究室

### Lab for Forging and Metalforming Industry (LFMI)

开展行业调查研究,为政府决策、行业发展和企业进步服务。组织行业专家,开展咨询服务。

#### 主要服务内容

- 行业调研
- ●服务政府
- 大锻件理事会
- 制、修定团体标准
- 组织完成国家课题,参与国家相关政策的 编制修订
- 公共服务平台

- 制定行业规范
- 编辑出版文献
- 企业等级评价
- 国内外先进技术发展趋势研究
- 利用国家相关行业支持政策协助企业立项
- 为企业认证提供服务
- 结合行业需求研究政策、争取政策

#### 大锻件理事会

集冶炼、锻造、热处理和机械加工于一体的大型锻件生产企业的组织,其目的是交流大锻件生产经验和技术;推动大锻件国产化机制建立;推动建立基础共性技术研究协作体;向国家提出大锻件发展战略及政策建议;研究交流市场、推进和谐发展以及推动权威建立和发展。





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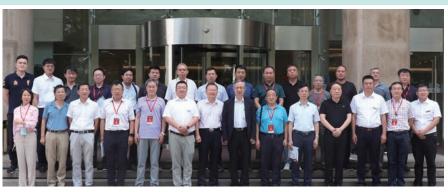




Lab for Forging and Metalforming Industry (LFMI) conducts industry investigation and researches to serve government decision-making, industry development and enterprise progress, and organizes industry experts to carry out consulting services.

#### HeavyForge Council

HeavyForge Council is set up by CCMI, whose major function is to exchange information, to find and discuss the common issues, to find a way to promote the heavy forging production, to strength the communication with related governors, as well as to listen the voice from main customers from home and abroad.





#### **Main function**

- Report on technology and economics.
- Providing service for government.
- HeavyForge Council operation.
- Standards and regulations.
- Completing of national projects and participating in the formulation and revision of relevant national policies.
- Public service platform to be built.
- Editing and publishing of industry documentations.
- Evaluation.

- Research on the development trend of the advanced technology at home and abroad.
- Assisting enterprises to use national policies.
- Providing services for enterprise certification and accreditation.
- According to the existed situation, we submit our requirements and suggestions to the government which will be benefit to our industry.

## 教育培训服务中心

Training Service Center (TSC)









与头脑风暴专家服务中心协同,为行业提供优质的人才培养和培训服务: ,是锻造、冲压、钣金制作行业技术、技能、管理和销售服务人员的再教育和再提升的大本营。更新知识、丰富技能、借鉴经验、提高分析解决实际问题的能力,提高职业综合技能素质。在培训方面,我们举办技术培训班、专家专题讲座和行业管理沙龙。

适应新时代要求,教育培训将坚持课堂教育与实践相结合,设置基础理论到实际操作的全系列课程和课堂。

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Together with Brain-Storm Expert Service Center, Training Service Center organizes the reeducation and training to workers and technicians from forging, stamping/pressing and fabricating industry. To organize classes, seminars and salons for different level people from companies to update knowledge, enrich skills, broaden eyesight, open minds, learn from each other and improve the ability of analyzing and solving problems they met.

Education and training will insist on the combination of classroom education and practice, and set up a series of courses and classes from basic theory to practical operation.

## 头脑风暴专家服务中心

Brain-Storm Expert Service Center (BESC)

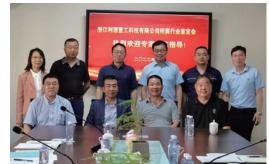




汇集了 550 多位卓有成效的专家,专业领域涵盖锻造、冲压、钣金制作及封头行业的材料、工艺、设备、模具等各个方面。这些专家所服务的行业领域有航空航天、能源装备、石油化工、轨道交通、汽车产业、工程机械、国防安全、电子电信和家用电器等。

### 主要服务内容

- 科技成果鉴定
- 行业技术咨询
- 企业现场问题诊断
- 承担企业发展改造项目
- ●前沿技术研讨会
- 配合行业研究室开展团体标准研制





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Currently more than 550 experts have joined into the Brain-Storm which is now acting as a power station of metal forming industry development. The experts are from materials, processes, equipment, dies and other aspects of the forging, stamping/pressing, and sheet metal/fabricating industry servicing to aeronautics and astronautics, power station equipment, petro-chemical machine, railway and locomotive, automobile, construction and civil machinery, defense industry, electronic telecommunications, household appliances industry and other industry related to forging, stamping/ pressing and sheet meal/ fabricating.

#### Main function

- Identification and evaluation of scientific and technological achievements.
- Consulting.
- Evaluation and investigation in a company.
- Study of project and investment.
- Advanced technology meeting organized.
- Developing of industry standards together with Lab for Forging and Metalforming Industry,
- Economic operation analysis of metal forming industry.

## 网络部/中国锻压网

### China Forge and Metalform Net (CFMN)

负责协会各部门的网络建设及管理工作,以及协会下辖 的多个商业网络平台的运营管理。

CFMN is responsible for the network construction and management for CCMI, and the operation and management of many commercial network platforms operated by CCMI.



#### 中国锻压网 (www.duanxie.cn)

中国锻压网是依托中国锻压协会成立的国内 第一家专业锻造、冲压、钣金制作的门户网 站,也是目前国内客户量最大、数据最丰富、 访问量最高的行业信息门户平台。



It is the first professional forging, stamping/pressing and sheet metal/fabricating portal in China established by CCMI and it is also the industry information portal platform with the largest number of customers, the richest data and the highest number of visitors in China.



#### 中国锻造网 (www.forgefair.com.cn)

搜索汽车锻件、冷温热精锻件、自由锻件与环 件、有色与不锈钢锻件、原材料及模具材料、 下料设备、工业炉窑和节能技术、锻造设备、 自动化及信息化、锻造模具及润滑、检验检测 及表面处理、设备备件及安全环保 - 尽在中国 锻造网!

### Forge Net (www.forgefair.com.cn)

If you source automotive forgings, cold/warm and hot precision forgings, open-die forgings and rings, non-ferrous and stainless steel forgings, raw materials, die materials, billet Preparation machines, industrial furnaces and energy-saving technologies, forging equipment, automation and informatization, forging die and lubrication, inspection and surface treatment, equipment spare parts, and safety and environmental protection, Please visit Forge Net. All of your expect could be found on Forge Net.



中国冲压网 (www.metalform.cn)

搜索机械压力机、液压成形装备、精冲、精 密高速冲床、自动化及周边设备、旋压及辊 压设备、冲压模具与工装、焊接与连接技术、 软件及信息化、润滑及表面处理、冲压零部件、 材料与辅助材料 - 尽在中国冲压网!

#### Pressing/Stamping Net (www.metalform.com)

If you source mechanical press, hydraulic forming machine, fine blanking press, precision high-speed press, automation and Peripheral equipment, spinning and rolling machine, tool/mold, welding and Joint machine, surface treatment and inspection machine, software and informatization, lubrication and surface treatment, pressing/stamping parts, raw material and accessory materials, please visit Pressing/Stamping Net. All of your expect could be found on Pressing/Stamping Net.





### 中国钣金网 (www.metalfab.com.cn)

搜索切割装备及技术;折弯装备及刀具;数控 冲装备及模具;自动化与柔性制造;剪、卷板 及辊压设备;焊接与连接装备;表面处理及检 测;软件及信息化;管型线材加工;钣金制作 零部件;螺钉、螺帽与连接件;材料与辅助材 料 - 尽在中国钣金网!



If you source cutting machine and technology, bending Press and tool, CNC turret punch and tool, automation system and flexible production line, shearing machine, roller machine and roll press, welding and joint machine, surface treatment machine and inspection/test instrument, software and informatization, tube/pipe working machine, sheet metal/fabricating parts, screw, nut and fitting, raw material and accessory materials, please visit Sheet Metal/Fabricating Net. All of your expect could be found on Sheet Metal/Fabricating Net.

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中国国际锻造网上展览会 (www.forgefair.com.cn/nex) 依托于中国锻压协会这一强大的行业服务平台,为广 大锻造行业生产商及采购商企业提供专业、高效、便 捷的网上展览展示及对接服务。全天候的网上展销, 移动端与网站同时呈现,结合纸媒《锻压商情》传播 迅速广泛。

#### ForgeExpo International on Net (www.forgefair.com.cn/nex)

Relying on the powerful service platform of CCMI, we provide professional, efficient, and convenient online exhibition and docking services for forging manufacturers and purchasers. 24/7 online exhibition, presented on both mobile and website platforms, and quickly spread in combination with "Evaluation" magazine.





冲压与模具网上展览会 (www.metalform.cn/nex) 依托于中国锻压协会这一强大的行业服务平台,为广 大冲压行业生产商及采购商企业提供专业、高效、便 捷的网上展览展示及对接服务。全天候的网上展销, 移动端与网站同时呈现,结合纸媒《锻压商情》传播 迅速广泛。

#### Pressing/Stamping Expo International on Net(www.metalform.cn/nex)

Relying on the powerful service platform of CCMI, we provide professional, efficient, and convenient online exhibition and docking services for pressing/stamping manufacturers and Purchasers. 24/7 online exhibition, presented on both mobile and website platforms, and quickly spread in combination with "Evaluation" magazine.





钣金与制作网上展览会 (www.metalfab.com.cn/nex) 依托于中国锻压协会这一强大的行业服务平台, 为广大 钣金与制作行业生产商及采购商企业提供专业、高效、 便捷的网上展览展示及对接服务。全天候的网上展销, 移动端与网站同时呈现,结合纸媒《锻压商情》传播迅 速广泛。

#### Sheet Metal/Fabricating Expo International on Net (www.metalfab.com.cn/nex)

Relying on the powerful service platform of CCMI, we provide professional, efficient, and convenient online exhibition and docking services for sheet metal/fabricating manufacturers and purchasers. 24/7 online exhibition, presented on both mobile and website platforms, and quickly spread in combination with "Evaluation" magazine.







#### **维德视频** (www.vidue.cn)

汇集了企业介绍、人物访谈、直播、生产演示等多种 类型的视频内容。让浏览者可以更直观地获取技术信 息。把行业重要活动及代表人物的最新观点,第一时 间展现给浏览者。

#### Vidue-Video Net (www.vidue.cn)

It has collected various types of video such as the introduction to enterprise, interviews, live shows, and production demonstrations. It enables visitors to obtain technical information more intuitively. It presents the latest perspectives of important industry events and important figures to viewers as soon as possible.



### 布鲁助手 (www.yangben001.com)

布鲁助手是近两年网络部力推的一个方便企业的样本 展示平台,目前已收录超过10000本企业的样本册。 其具有灵活的关键词查询功能,可以方便、快捷地查 询所需产品的基本信息、价格、图片。

#### **Brochures Net** (www.yangben001.com)

Brochures Net is a convenient brochures display platform promoted by CFMN in the past two years, which has collected over 10000 brochures from forging, pressing/ stamping and sheet metal/fabricating enterprises. It has a flexible keyword query function, and the information, prices, and images of the required products viewed conveniently and quickly.





### 锻压英才网 (www.china-forge.net)

为解决行业人才招聘这一难题,特设立的锻压英才网。 服务。

锻压Q英才网

我们通过与企业、院校、地方政府等多方面的合作, 为企业及各类人才提供招聘、求职、猎头等多种人才

### POA (Person of Outstanding Ability) Net (job.duanzao001.com)

To solve the problem of talent recruitment in the industry, we have established a talent network, and provide talent services such as recruitment, headhunting for enterprises and job-hunting for personals through cooperation with enterprises, universities, local governments, and other partners.

## 组织与国际联络部

Administrative and International Department (AID)





开展会员服务、会员管理及会员发展三项工作,为协会其它部门工作的发展做出贡献。负责 管理协会下属各委员会,同时做好地方协会的联络和服务工作。

负责与国内外政府相关部门、有关企业、行业组织进行联络和服务,开展双边交流工作,发展国际会员,组织国外技术企业开展具有俱乐部性质的行业交流活动,负责归口管理协会对外团组和交流工作。

《协会快讯》,月刊。由组织与国际联络部主办,以报道行业动态、政策解读以及协会各部门近期举办的各类活动为主。

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Administrative and International Department (AID) is responsible for updating the membership information at the very first time, and keeping good feedback to the memberships while they request the help or services.

AID keeps the contact with the international organizations and companies and organizations from outside of China, and carries out the bilateral exchanges with the related national organizations. AID also accepts the international memberships (Associate Member) and supplies the related services.

Hotopic News: Activities and news from CCMI and industry, and industry polices and regulations.



## 事务部

### Affairs Department (AD)

办公室、工会工作、协会登记、年检等,处理协会日常管理业务;负责收发、资料档案及政府方面的联络工作,筹备行政性会议。协会所有未归口工作的承担。

To take care of office administrative affairs such as human resources, archives work and managing office equipment, etc.

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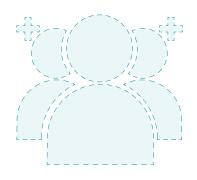
## 财务部

### Financial Department (FD)

主要负责协会财务管理,劳资等工作。依据"中国锻压协会经费管理使用办法"处理中国锻压协会财务;按照国家和北京市有关的法律法规管理财务,协调与上级财税主管部门的关系,协会年检等。

FD is responsible for all financial matters of CCMI and its subsidiaries.

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# What We Are 我们的素质和作风

我们必须有博爱和责任、健康的身体、聪明的头脑、坚强的意志、丰富的知识、有效的技能和适时的理想。

我们要正直善良、竞争进取、负责求实和团结活泼。在工作中讲究果断、敢于承担责任的品质;遇到问题应先在自己身上找原因,多自省,少埋怨;讲求效率、自我约束;遵守纪律,注意公德。

We do our best to have services to our industry based on our caritas, responsibility, healthy body, intelligent mind, strong will, rich knowledge, effective skills and timely ideals.

We insist integrity and kindness, competition and enterprising, responsibility and realism, as well as unity and vigorous, also emphasis on the quality of decisiveness and responsibility in work. When encountering problems, we should first find out the reasons and solution in ourselves, introspect more and complain less. We must emphasis on efficiency and self-restraint in our work and obey discipline and pay attention to public morality at any time.



### 精冲

### Fine Blanking

中国精冲技术经历了 60 多年的发展,精冲行业取得了飞速的进步发展。尤其是近 10 年,随着中国汽车市场的飞速发展带动了整个精冲行业的腾飞,越来越多的企业及人才投身到精冲行业。原材料供应、精冲装备制造、产品开发和模具设计制造、周边辅助设备、润滑油品等企业得到了发展和完善,形成了完整的精冲产业链,也给更多采购精冲件的企业提供了更多的机会和可能。随着新能源汽车的大力发展及快速的增值,精冲企业也面临着新的挑战和机会。

2022 年底统计国内现在和中国锻压协会精冲委员会保持紧密联系的精冲企业 100 余家,分布在全国 21 个省市 初步统计这些精冲企业拥有各类精冲机 350 余台。未来中国精冲市场至少需要 500 多条精冲生产线才能满足市场对精冲件的需求。







Fine blanking technology has been introduced in China more than 60 years and developed very quickly. In the recent 10 years, along with the automotive industry stepping forward, fine blanking in China has achieved a great progress, more and more enterprises and talents devote themselves to fine blanking industry. Raw material supply, fine blanking equipment manufacturing and process developing, tooling designing and making, auxiliaries and lubricant have been developed and improved, and not only fine blanking production chain has been formed in China, but also it provides more opportunities and possibilities for buyers to purchase fine blanking parts. With the vigorous development and rapid value-added of new energy vehicles, fine blanking enterprises are also facing new challenges and opportunities.

In 2022, there are over 100 fine blanking producers in China which are located in 21 provinces respectively, and total of fine blanking equipment installed is up to 350 sets(lines). With the development of more fine blanking products, In the future, another more 500 fine blanking production lines/machines are expected in the future in China.









精冲工作委员会 Fine Blanking Division

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## 模具

### Tooling & Die

模锻生产和板材成形的关键是模具,模具材料、设计、制造、使用和维护已经取得了巨大的进步。中国锻造、冲压和钣金制作行业的模具生产也随着锻压行业的发展取得了前所未有的进步。目前,90%以上的锻造企业具有一定的模具制造能力,其中40%左右企业使用了最新的模具设计和制造设备。冲压和钣金制作模具方面,我国仍处于较为落后的地位,特别是大型汽车覆盖件模具的开发制造能力还比较低,中国冲压模具制造的发展空间巨大。

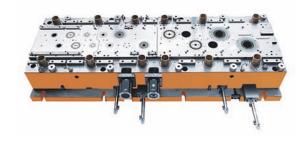
中国冲压、钣金加工模具生产,正基本满足国内行业企业的需求,而且出口越来越多,进口越来越少。制约国内模具发展的并非模具设计、生产,而是模具材料及相关辅材辅料。

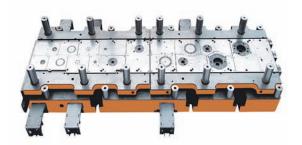






Tooling plays a very important role in closed die forging and sheet metal forming industries. Up to now, there are many achievements in materials, designing, machining, utilizing and maintenance.





模具工作委员会 Tooling & Die Division

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## 汽车锻件

### Automotive Forging

模锻件中,汽车锻件的比例超过 60%,2021 年汽车锻件销量约 622.5 万吨。汽车轻量化和环保要求、新能源汽车销量的高速增长,给汽车锻件制造企业带来了巨大的挑战,锻件成形新技术以及新材料应用是行业发展的必然趋势。





More than 60% of closed-die forging are automotive forgings. The output of automotive forging in 2021 is 6.225 Million tons. Lightweight and environmental protection, as well as the rapid growth of new energy automobile requirements of automobiles had brought great challenges to automobile forging manufacturer. New forging technology and application of new materials are the inevitable trend of forging industry development.





汽车锻件工作委员会 Automotive Forging Division

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## 轨道交通锻压

### Railway and Locomotive Forging

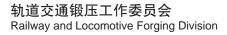
随着中国"一带一路"倡议的逐步实施,轨道交通 领域的锻件也随之走向了世界,为锻件迈向更广阔 的市场提供保障。目前中国正在大力发展城市轨道 交通和快速建设高铁网络,受国内原材料供应,锻 造和热处理工艺限制,一些锻件产品仍在进口,国 内外企业有很大的发展空间。





With the gradual implementation of the "one belt and one way" initiative in China, forgings in the field of railway and locomotive are also heading for the world. It provides guarantee for forgings to enter a broader market in the future.

At present, China is vigorously developing urban rail traffic and rapid construction of high-speed rail network. Restricted by domestic raw material supply, forging and heat treatment process, some forging parts are still imported. Domestic and foreign forging parts suppliers have a lot of chances for development.



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### 工业炉

### Industrial Furnace

锻造加热是锻造生产的重要组成部分,感应加热、燃气加热已经成为锻造行业的主流。如何让加热高效、均匀和温差小是加热行业的一个重要课题。当前,大型燃气加热炉采用蓄热式燃烧技术大大节约能源的同时,也改善了排放。但仍然存在加热效能低的现象。

发展高效燃烧技术、保温技术、控温技术,实现智能化加热是未来锻造加热需要继续努力的内容。





Forging heating is very important process in forging production. The induction heating and heating with gas are the main method in forging industry. How to increase heating efficiency, uniform and temperature accuracy are the vital issues. That large gas furnace with regenerator burning system installed has brought a significant energy saving, and improved the emission, but the energy utilization is still expected to be improved.

The new technology of high burning efficiency, insulation work and temperature control, should take more and more attention, and we should take great effort on developing intelligent heating system or device in the future.





#### 工业炉工作委员会 Industrial Furnace Division

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## 发动机连杆

### Engine Con-Rod





连杆委员会是汽车主要传动零部件—连杆与半轴企业委员平台的组织单位,涉及锻造、加工企业上千家。近三年来,逐步融合产业链相关企业合作共赢,委员数量发展到 70 家以上。连杆委致力于打造行业交流与合作的黄金平台。

适应汽车产业升级需要,连杆委员会的主要委员企业都在致力于现代化工厂建设、生产线自动化改造、新产品研发以及新材料应用,力求通过创新与合作,带动行业企业的个性与错位发展。



The Engine Con-Rod Division as a platform for members of automotive con-rod and half-axle producers. It involves thousands of raw materials, forging, machining, heat-treatment and test & inspection companies respectively. Over the past three years, the win-win cooperation between the enterprises in the chain gradually comes true. There are more than 70 members in Engine Con-Rod Division, and we are committed to building a golden platform for the exchanges and cooperation between the members.

To meet the needs of the upgrading of the automobile industry, the main members of Engine Con-Rod Division are all committed to the construction of modern factories, automation reform of production line, development of new product and application of new material. We strive to promote the enterprises' development of individuality and "misplacement" through innovation and cooperation.



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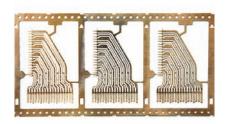


## 精密高速冲压

### High Speed Stamping

精密高速冲压技术是现代化的先进制造技术。它综合了高速压力机技术、高速冲压模具技术、高品质 材料技术、智能控制技术和绿色制造为一体化的高新技术。精密高速冲压具有生产效率高、产品质量 和一致性高以及节能降耗、节省人力、降低成本和生产安全性好等特点。

中国精密高速冲压发展较快,主要瓶颈之一是模具。生产制造大型、超高速、精密高效模具,以及生产超薄、超强和微细型零件是未来的发展内容。当前,中国需要解决模具关键设计技术、掌握设计内涵、完善掌握制造基础理论技术和制造核心,完善和建立完整的高质量模具基础零部件和配套件。着力打造高质量国产精密高速冲压设备和辅助送料系统也是当前的重要工作之一。电子和信息工业的发展,为精密高速冲压带来了前所未有的希望。





High speed stamping is an advanced production process including high speed press, tooling, qualified raw materials, intelligent control and green manufacturing technologies. The high speed stamping process is used with high productivity, qualified and uniformed products, as well as energy, manpower, cost saving and good safety.

The high speed stamping is developed very quickly in China, but the tooling is becoming obstacle. The supply of super-heavy, super speed, accuracy and efficiency tooling and developing super-thin, high-strength and minuteness parts are expected in the future.

### 精密高速冲压工作委员会 High Speed Stamping Division

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## 环件成形

### Ring Forming



环锻件产品种类繁多,主要包括轴承环、轮毂、齿圈、回转支承、法兰和大型环件等,广泛应用于石油、化工、核电、风电、机械、航空航天、大型港口、大型舰船、矿山等领域。

截至 2021 年,中国拥有的大型辗环机(指直径大于 1000mm 的 D52、D53 系列 )310 多 台( 套 ) ,最大辗制环件直径 16000mm,净高3000mm,单件辗轧重量 200 吨以下。大型辗环机广泛分布于江苏、山东、山西、东北、西南、皖浙闽赣、西北、中南、京津冀蒙等地区。

高效率、低消耗、高精度和高质量生产中小型环件是永恒的主题;大型环件生产在注重设备可靠性、技术先进性和管理科学性的同时,要特别重视风电发展和海外市场潜力的拓展。

There are many kinds of ring forging parts such as bearing ring, hub, ring gear, flange and heavy rings, which are widely used in petro-chemical, nuclear power, wind power, machine-building, aeronautics and space, sea port machine, ship-building and mining machine industries etc.

By the year of 2021, there are over 310 sets(lines) heavy ring rolling line( $\Phi \ge 1000$  mm) in China and the largest one is  $\Phi 16000$  mm with highness of 3000 mm and weight of less than 200 tons.

Efficiency, low consumption , high accuracy and quality are the eternal pursuits, however, we should not only have reliable equipment, state of art technology and appropriate management system but also need the supports from wind power boosting and overseas' market developing.





### 环件成形工作委员会 Ring Forming Division

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## 锻造下料装备

### Forging Billet Preparation

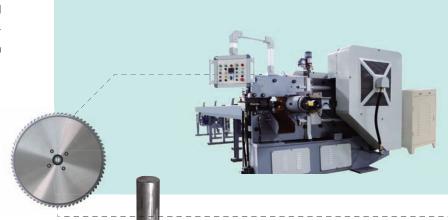
下料是锻造生产的首道工序,金属带锯床、棒料剪断机、金属圆锯机 是主要下料装备。

节约材料、能源,减少加工工序、 提高生产效率和产品质量、降低生 产成本等,决定着下料装备朝着高 速度、高精度,模块化、功能集成化、 智能化及高可靠性方向发展,从而 来满足零部件企业的发展需要。



The billet preparation is the first process in forging production. The main cutting machines band saw, bar cutter and circular saw. Up on the demand of material and energy saving, procedures reducing, efficiency and quality improving and costs saving, in order to meet the development of forging producer, the cutting machine will be developed towards high speed and precision, modularity, function integration, intellectualization and high reliability.





锻造下料装备工作委员会 Forging Billet Preparation Division

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## 团体标准

### Standard



国务院《深化标准化工作改革方案》(国发〔2015〕13号)提出了,对我国标准体系及标准化管理机制进行改革,建立政府主导制定的标准与市场自主制定的标准协同发展、协调配套的新型标准体系。2018年1月1日发布的《中华人民共和国标准化法》,确立了团体标准的法律地位。新的国家政策培育和发展团体标准体现在认证检验检测机构引用团体标准,允许团体标准参与各类各级奖项评定,包括科技奖项等。

中国锻压协会成立了团体标准工作委员会,制定团体标准化工作的各项政策与制度;管理和协调团体标准化工作,审查标准立项申请,开展团体标准的制、修订;与其他国内外标准化机构合作,特别是和上下游产业链企业共同研制标准,促进标准互相认可,助力企业提高产品等级,为企业迈向国际市场奠定基石。

The standard system and standardization management mechanism in China has been reformed according to the requirement of standards development, and it will be establishment of government-led standards and cooperative development of market-independent standards, and formed a new standard system. The legal status of community standards has been established. The new national policy fosters and develops community standards, which are embodied in the quotation of community standards by certification, inspection and testing institutions. The community standards are allowed to participate in the evaluation of awards at all levels, including science and technology awards.

The Standard Committee of CCMI has been established and will develop and amend community standards of forging, stamping/pressing and sheet metal/fabricating industry, and strengthen the cooperation with foreign standard organization, as well as buyers and sellers in the future to promote mutual acceptance of the standards.

### 团体标准工作委员会 Standard Committee

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## 金融

### Financial Work

中国锻压协会金融工作委员会,英文全称" Financial Work Division"。中文简称: "中国锻协金融工委"。

### 宗旨:

- ①贯彻落实党中央和国务院工作的路线方针政策,在国务院金融监管机构、中央相关部委的指导下制定锻压行业金融服务标准,支持科技创新,提高金融支持创新型锻压企业、金属新材料企业的建设能力:
- ②构建锻压行业金融服务平台,组织金融服务专家为锻压创新型项目提供考察、论证、立项、申报等专业性服务;
- ③收集整理锻压行业金融服务信息,引导金融服务资源共享,研究分析锻压行业金融服务状况,编制中国锻压产业金融服务可行性研究与发展报告;
- 4举办金融服务专业培训,普及金融服务知识,为锻压行业创

Financial Work Division was formed by CCMI to supply the financial service to CCMI's Memberships.

#### Object/Purpose

- ① To implement the guidelines and policies of the Party Central Committee and the State Council, formulate financial service standards for the forging, pressing/stamping and sheet metal/fabricating industry under the guidance of the State Council's financial regulatory agency and relevant central departments, support technological innovation, and improve the construction capacity of financial support for innovative forging, pressing/stamping and sheet metal/fabricating enterprises and metal new material enterprise.
- ② To build a financial service platform for the forging, pressing/stamping and sheet metal/fabricating industry, to organize financial service experts to provide professional services such as investigation, argumentation, project planning, and application for innovative forging, pressing/stamping and sheet metal/fabricating.



新发展与人才培养努力工作:

- ⑤开展金融服务交流,传播金融服务信息,建立金 融服务档案,为锻压企业提供金融赋能。
- ③ To collect and organize financial service information in the forging, pressing/stamping and sheet metal/fabricating industry, to guide the sharing of financial service resources, to study and analyze the financial service status of the forging, pressing/stamping and sheet metal/fabricating industry, and prepare a feasibility study and development report on financial services in forging, pressing/stamping and sheet metal/fabricating industry;
- To organize professional training in financial services, to popularize financial service knowledge, and work hard for the innovative development and talent cultivation of the forging, pressing/stamping and sheet metal/fabricating industry;
- ⑤ to Carry out financial service exchanges, disseminate financial service information, establish financial service archives, and provide financial empowerment for f forging, pressing/stamping and sheet metal/fabricating enterprises.

金融工作委员会 Financial Work Division

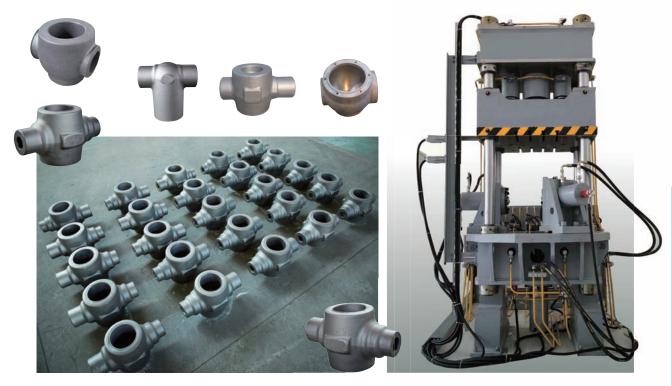
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## 多向模锻

### Multi-Ram Forging

多向模锻是在多向模锻液压机上进行分模模锻的一种锻造技术。采用该工艺能使结构形状复杂的锻件成形,显著提高材料利用率和减少机械加工工时,同时多向模锻件的金属流线沿锻件轮廓分布,有助于锻件力学性能的提高。此外,多向模锻不产生飞边,提高了零件的抗腐蚀性,而且模具结构简单,使用寿命长,制造成本低,使用维护方便,模具冷却与润滑效果好。现已用于航空、石油、化工等行业的大型阀体、管接头、飞机起落架等锻件的生产。



Multi-direction die forging is a forging process that involves split die forging on a hydraulic multi direction-die forging press. In use of this process, the complex forgings have been formed, and it significantly improve material utilization and reduce machining time. At the same time, the metal flow line of multi-direction die forgings are distributed along the contour of the forging, which helps to improve the mechanical properties of the forgings. In addition, multi-direction die forging does not generate flash, improving the corrosion resistance of the parts. Moreover, the die structure is simple, the service life is long, the manufacturing cost of the die is low, the use and maintenance are convenient, and the cooling and lubrication effect of the die is good. It has been used in the production of large valve bodies, pipe joints, aircraft landing gear and other forgings in industries such as aviation, petroleum, and chemical.

#### 多向模锻技术委员会 Multi-Ram Forging Committee

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## 钣金制作技术装备

### Fabricating Technology Equipment

钣金制作行业以数控钣金制作设备为核心,配以工装、模具和夹具等设施,形成坚实的现代高新技术成形行业。其主要设备如数控冲、激光切割机、数控折弯机等。数字化、自动化、信息化,以及智能化在钣金制作行业的应用与发展进入了高峰阶段。随着钣金制作企业的发展,对焊接、打磨、喷涂等后处理技术装备提出了更高的要求。

激光切割机以 3kW—6kW 为主,也有 20kW 及其以上的高功率设备,高功率主要集中在 20kW。激光切管机根据产品,针对行业的不同发展趋势也不同,极小管、超重管应用是两个重要方向。数控折弯机向绿色节能、功能多样化、接入工业 4.0 体系等方向发展。



The sheet metal/fabricating industry centered on CNC sheet metal/fabricating equipment, accompanying with tooling and fixtures, it forms a solid and modern high-tech metal forming industry. Its main equipment including CNC turret press, laser cutter, CNC bending machines, etc. The application and development of digitization, automation, informatization, and intelligence in the sheet metal/fabricating industry have entered a peak stage. With the development of sheet metal/fabricating enterprises, higher requirements have been put forward for post-processing technology and equipment such as welding, polishing, and spraying.

Laser cutter are mainly 3kW to 6kW, and there is the high-power equipment of 20kW and above, with high power mainly concentrated in 20kW. The laser tube cutter varies according to the product and the development trend of the industry, with the application of extremely small pipes and overweight tubes being two important directions. CNC bending machines are developing towards green and energy-saving, diversified functions, and integration into the Industry 4.0 system.

### 钣金制作技术装备工作委员会

Fabricating Technology Equipment Division

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## 管材成形

### Tube / Pipe Working

金属管材成形是指对金属管材实施切割下料、弯曲成形、开槽冲孔和管端成形的加工工艺过程,广泛应用于制造业的各行各业。我国年产焊接钢管 6000 多万吨,其中,大部分管材需要成形加工成各种各样的中空零件才可以使用。除此之外,每年还有千万吨级的有色金属管材,也需要成形加工成各类管状零件。10 年来,由于管材零件具有轻量化、高刚度、节能节材的优越性,再加上管材成形加工技术装备的进步与发展,使得各类管状零件成形加工成为可能并得到广泛应用。



Tube / Pipe Working refers to the processing process of cutting, bending, slotting, punching and end forming of metal pipes, which is widely used in various industries in the manufacturing industry. China produces over 60 million tons of welded steel pipes annually, of which most pipes need to be formed and processed into various hollow parts before they can be used. In addition, there are millions of tons of non-ferrous metal pipes that need to be formed and processed into various tubular parts every year. In the past 10 years, due to the advantages of lightweight, high stiffness, energy saving and material saving of pipe parts, as well as the progress and development of pipe forming and processing technology and equipment, various types of pipe shaped parts have become possible and widely used for forming and processing.

#### 管材成形工作委员会 Tube / Pipe Working Division

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## 大锻件

### HeavyForge

大锻件理事会 2011 年成立,截止 2022 年共有 13 个单位组成。其主 要任务是推动成员与用户之间的交流。委员会在成员单位的支持下,也开展生产数据、技术工艺发展成就、管理经验和设备投资及使用经验的调研和发布。





Founded in 2011, total of memberships are 13 ForgeMaster from China in 2022. Mainly object & function is to promote the exchange between memberships and customers. The Council also organizes the investigation and deliveries the information on output, sales value, technology and process achievement, management experience and equipment developing and utilizing experience.

### 大锻件理事会 HeavyForge Council

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### 中国锻压协会第九届理事会领导机构

2023年中国锻压协会第九届代表大会选举产生(排名不分先后)

名誉理事长

何光远 原机械部部长

夏世维 东方鸿泰控股集团有限公司 总经理

理事长

夏汉关 江苏太平洋精锻科技股份有限公司

轮值理事长

淡伟光邢东兵宏锡鹏德汽车配件有限公司常州伟泰科技股份有限公司

执行副理事长

张金 中国锻压协会

副理事长

重庆创精温锻成型有限公司 胡活 董旭刚 重庆大江杰信锻造有限公司 江苏龙城精锻集团有限公司 庄龙兴 任启华 山东汇锋传动股份有限公司 冯广维 北京维冠机电股份有限公司 牛余刚 伊莱特能源装备股份有限公司 沈国劬 二重(德阳)重型装备有限公司 马祖斌 金马工业集团股份有限公司

 马祖斌
 金马工业集团股份有限公司

 金新志
 芜湖罗尔科精密工业有限公司

房金良 一汽解放集团股份有限公司技术发展部

宋永刚 深圳信扬国际经贸股份有限公司 陈登 广州市华冠精冲零件有限公司 冯广维 北京维冠机电股份有限公司 何一鹏 广州祉瑞智能科技有限公司 曹立宏 常州旷达威德机械有限公司 张世顺 济南二机床集团有限公司

梁丰收中国机械总院集团北京机电研究所有限公司

**应**红烈 中国联合工程有限公司

 齐俊河
 中国锻压协会

 韩木林
 中国锻压协会

首席经济学家

钟永生 中国锻压协会

歩声レ	
<b>上上</b>	
胡永毅	天仟重工有限公司
<b>副监事长</b>	
兰宝存	一汽锻造(吉林)有限公司
罗勇	苏州宝馨智能制造有限公司
王彤勇	一拖(洛阳)福莱格车身有限公司
秘书长	
张金 (兼)	中国锻压协会
齐俊河(兼)	中国锻压协会
韩木林(兼)	中国锻压协会
副秘书长	
宋仲平	中国锻压协会
白玉冰	中国锻压协会

### 中国锻压协会第九届理事会顾问名单

2023年中国锻压协会第九届第一次理事会通过聘请名单(排名不分先后)

顾问		
曹春晓	院士	北京航空材料研究院
胡正寰	院士	北京科技大学
周杰	教授	重庆大学
王宝忠	高级工程师	中国第一重型机械股份公司
単德彬	副主任、教授	哈尔滨工业大学材料科学与工程学
   江秀花 		江苏兴锻智能装备科技有限公司
薛永栋	教授	洛阳理工学院
曹永祥	工艺总监	杭州老板电器股份有限公司
朱云霄	产品研发专家	许继电气股份有限公司
崔礼春	冲压总监	安徽江淮汽车集团股份有限公司
		贵州航宇科技发展股份有限公司



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