



中航卓越锻造 AVIC EXCELLENCE FORGING

中航卓越锻造(无锡)有限公司
AVIC EXCELLENCE FORGING (WUXI) CO., LTD.
www.avic-zy.cn | www.avic-zy.com



中航卓越锻造(无锡)有限公司 AVIC EXCELLENCE FORGING (WUXI) CO., LTD.

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Tel: 0510-8389 6502
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www.avic-zy.cn | www.avic-zy.com



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请立即扫描二维码



AVIC EXCELLENCE FORGING 中航卓越锻造

Forgings, the fine art of the industry,
Manufacturing, green and smart.

绿色智造 · 锻造行业精品

Focused | Practical | Passionate | Innovative

严谨 | 务实 | 激情 | 创新





TOP CHINA-MADE LARGE AND SPECIALTY ROLLED RINGS

Seamless | Large | Custom

中国大型特种环锻件
专业制造商

AVIC EXCELLENCE FORGING (WUXI) CO., LTD.
中航卓越锻造(无锡)有限公司

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ABOUT US

公司简介

AVIC EXCELLENCE FORGING (WUXI) CO., LTD.
中航卓越锻造(无锡)有限公司
www.avic-zy.cn | www.avic-zy.com

中国航空工业集团成员单位

Subsidiary of Aviation Industry Corporation of China

- ☑ 特大型、特种异型环锻件专业制造商
- ☑ 多领域国际项目合作经验
- ☑ Specializes in large and odd-shape rolled rings
- ☑ Extensive experience with international projects in different fields



锻铸 Forging and Casting

- ☑ 陕西宏远
- ☑ 贵州安大
- ☑ 中航工业卓越
- ☑ 西安特材
- ☑ 检测公司
- ☑ 景航锻铸
- ☑ 安吉精锻



高端液压集成 High-end Hydraulic Integration

- ☑ 力源液压
- ☑ 贵州永红
- ☑ 沈阳高新



新能源 New Energy

- ☑ 新能源投资
- ☑ 世新公司
- ☑ 中航景腾
- ☑ 中航惠德

COMPANY BIOGRAPHY

卓越历程

We are striving and pressing on.....
我们一直在努力...

无锡卓越锻造有限公司成立
Formation of
Wuxi Excellence Forging Co., Ltd.

中航重机控股
更名中航卓越锻造（无锡）有限公司
Avic Heavy Machinery took control and
renamed as Avic Excellence
Forging (Wuxi) Co. Ltd.

取得多国船级社认证
Obtained a number of
off-shore certificates

特大型环锻件生产线项目投产
Inaugurated the production
of large rolled rings

成为国家级高新技术企业
Obtained state-recognition as
"New High-Tech Enterprise"

ERP管理系统正式运行
Officially launched ERP
Management System

高温合金、铝合金、
钛合金、异型环件批量投产
Officially launched
high-volume-production of
superalloy, aluminium, titanium
and odd-shape forgings.

2005

2006

2007

2009

2010

2011

2012

2013

2014

2015



CORPORATE CULTURE

企业文化

卓越宗旨 MISSION

绿色智造，锻造行业精品!
Forgings, the fine art of the industry,
Manufacturing, green and smart.

卓越精神 SPIRIT

严谨、务实、激情、创新
Focused, Practical, Passionate, Innovative

卓越愿景 VISION

打造全球顶级锻件供应商!
Becoming the "excellence of excellence" in forging world!

卓越发展思路 CONCEPT

民品巩固推进、军品加快突破
外贸大力发展、引领中高端市场
Industrial forging progresses steadily, defense forging breakthrough intensively
Expand and grow international sales, step-up mid-range high-end market.

CERTIFICATIONS 多项专业认证

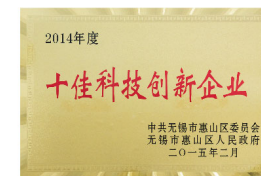
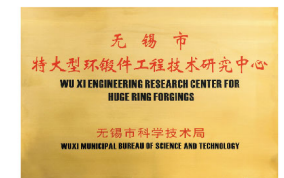
ISO9001, ISO14001, CE
通过ABS, DNV, GL, LR, BV, RINA, CCS等多国船级社认证
国家特种设备（压力容器元件）生产许可
ISO9001, ISO14001, CE, ABS
Pass the ABS, DNV, GL, LR, BV, RINA, CCS and other
international classification society certification
The National Special Equipment (Pressure Piping
Components) Production License

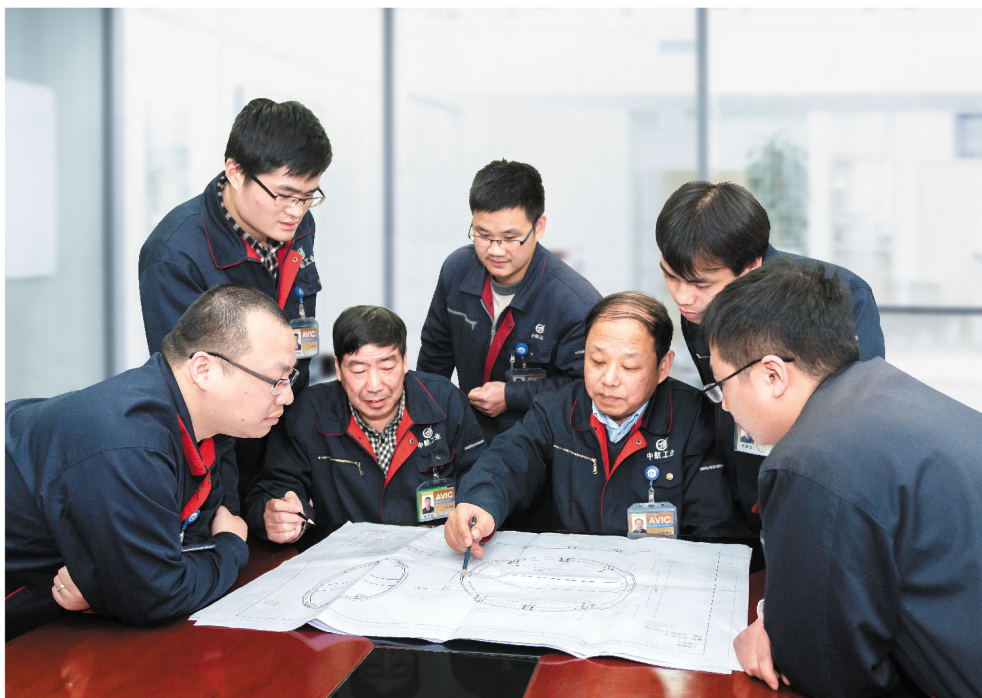


RECOGNITIONS & HONORS 资质荣誉

建立卓有成效的品牌建设之路，使公司发展更具规范性，广阔性。是品质、细节、认真、坚持让品牌更具活力；是标准、责任、荣誉和使命鞭策我们承载过去，开创未来！

The path of establishing "Top Brand", the way to proper and diversified growth.
Vigorous brand, because of quality, finest, focus, and persistency.
To move on for better future, is our norm, our responsibility, our honor and our mission.





RESEARCH & DEVELOPMENT

研发创新

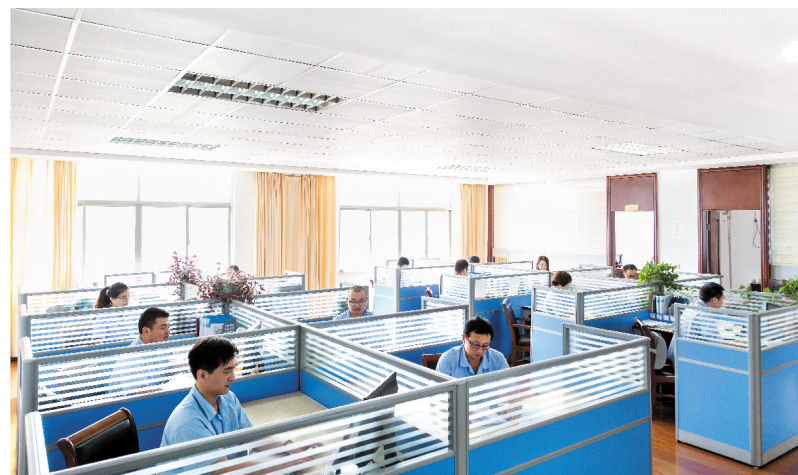
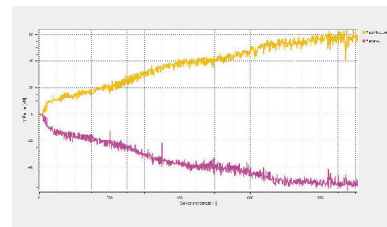
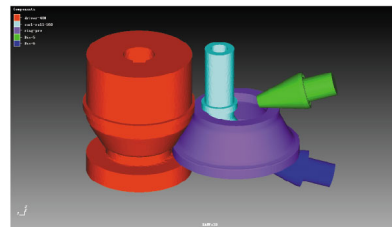
依托中航重机下属国家难变形材料应用中心、国家级检测中心等科研平台，公司已掌握各类合金钢、不锈钢、高温合金、铝合金、钛合金及其他难变形合金等材料的环形轧制技术以及异形截面环锻件的成形技术。

Upon the ground of AVIC Heavy Machinery, the Specialty Material Application Research Center, the National Testing Center, etc., we managed to specialize in different shapes of seamless rolled ring techniques with materials such as steel alloy, stainless steel, superalloy, aluminium, and other specialties.



公司应用先进锻造数字模拟技术对锻造制坯、辗环及异形环设计、热处理等生产工序进行模拟设计，极大提高了研制的科学性，降低了研制成本，提高了研制效率。

We use advanced and digital simulation technique to forge, to roll and to design odd-shape rings, and to simulate heat treat, production process and design. This has been a fruitful way of enhancing scientific discoveries, reducing production costs, and improving research efficiency.



ADVANCED MANUFACTURING SYSTEM 先进制造系统

中航卓越锻造始终致力于满足市场多样化和个性化的需求，立足未来制造业发展方向打造先进的制造系统。通过此系统可实现与用户的无缝对接和协同开发市场；利用先进的数字模拟技术使产品研制更加科学高效；采用信息智能制造技术实现制造全过程信息化管理，使产品质量更加稳定可靠；应用互联网技术为用户提供更加便捷周到的服务，力图实现售前、售中和售后的全数字化模式，以达到产品生产的信息化、科学化和服务化。

AVIC Excellence Forging always in endeavor to meet different aspects of market needs (the diversified and personalized needs), as a leading model in advanced digital manufacturing system. This is a bridge to actualize uninterrupted connection with our customers for mutual growth and business expansion; we utilize this advanced digital simulation technique to make our forgings more scientific oriented; we use this advanced digital manufacturing system to perfect our manufacturing database management, so that our product quality is more reliable; we make use of internet technology to improve our customer service, shorten our delivery lead time, and keep the entire selling process (before, in-progress, after) complete, so that our production is digital, scientific and service oriented.

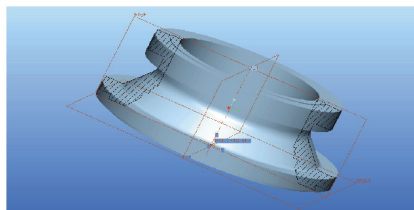
创新销售模式 INNOVATIVE SELLING NETWORK



掌上下单，方便快捷！
想你所想，协同开发让你更快占领市场！

Mobile app download, quick and easy!
Dare to think, work together, and grab the market fast!

数字开发技术 COMPUTERIZED RESEARCH & DEVELOPMENT



采用专业的计算机辅助设计，实现产品和工艺设计数字化；
利用数字模拟技术，使产品研制更加科学高效，实现产品的精益化设计生产，使产品质量更加稳定可靠。

Make use of computing-aid and establish digitalized product and process design;
Use advanced digital simulation technique to make our forgings more scientific oriented, and to make our design and process lean, so that our product quality is more reliable.

信息化生产制造系统 DATABASE GOVERNED MANUFACTURING SYSTEM



ERP综合信息管理系统助力生产，随时掌握生产进程；
生产过程信息看板，实时反映生产状况，确保过程控制有效，产品质量稳定。

Through ERP, database is built and governing manufacturing, so that manufacturing process could be monitored at any time;
Digital boards are installed to monitor production progress, to re-act quickly to abnormality, and to ensure quality stability.

诚信周到的服务 TRUST AND RELIABLE SERVICE



提供产品全寿命周期服务，提供专业技术支持和解决方案；
利用互联网实现技术质量问题的快速反馈，为用户提供及时、专业的解决方案！

Provide full term service, and provide technical support and solution;
Through internet technology, get instant quality complaint, response and solution.

PRODUCTION CAPABILITIES

生产能力

锻压设备 FORGING EQUIPMENT

公司目前拥有DIA5000mm和DIA9000mm两条环锻件产线。

We have two forging lines: DIA 5000mm and DIA 9000mm.



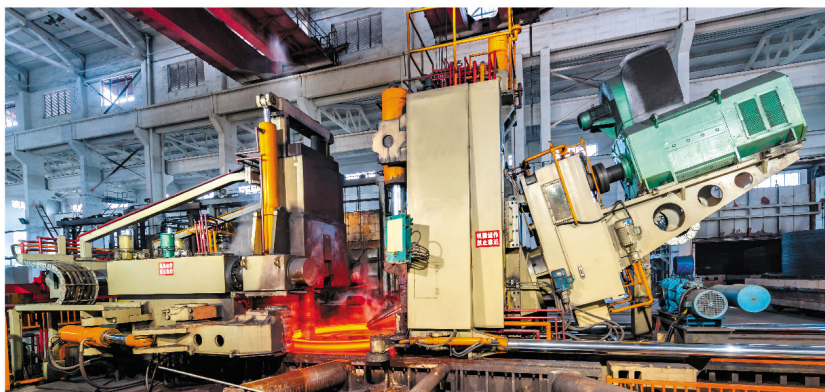
装取料机 | Mounted Reclaimer



4000T液压机 | 4000T Hydraulic Machine

DIA5000mm产线配备有4000T液压机和5m辗环机，最大径向轧制力达315吨，轴向轧制力250吨，在薄壁环、高温合金、铝合金、钛合金等难变形材料、中小型环锻件上有生产优势，年产量3万吨。

DIA5000mm forging line consist of 4000T Hydraulic Press and 5m Ring Rolling Machine. Maximum radial force is 315 tons, and axial is 260 tons. This is more capable to forge thin ring, superalloy, aluminium alloy, titanium alloy and specialty materials, for small to medium size. Annual capacity is 30 thousand tons.



Φ5000mm辗环机 | Φ5000mm Ring Rolling Machine



Φ9000mm辗环机 | Φ9000mm Ring Rolling Machine



5000T液压机 | 5000T Hydraulic Machine



装取料机 | Mounted Reclaimer

DIA9000mm产线配备有5000T液压机和9m辗环机，最大径向轧制力达900吨，轴向轧制力600吨，在高筒环、厚壁环、高温合金环件上有生产优势，年产量3万吨。

DIA9000mm forging line consist of 5000T Hydraulic Press and 9m Ring Rolling Machine.

Maximum radial force is 900tons, and axial is 600 tons. This is more capable to forge cylinder, thick wall ring and superalloy. Annual capacity is 30 thousand tons.



淬火槽 | Quenching Tank



铝合金固溶时效炉 | Aluminum Alloy Solid Solution Aging Furnace



8.5m罩式炉 | 8.5m Bell Type Furnace



台式回火炉 | Desktop Tempering Furnace



罩式淬火炉 | Bell Type Quenching Furnace

PRODUCTION CAPABILITIES 生产能力

热处理设备 HEAT TREATMENT

卓越人的成功在于不仅仅注重表面的完美，更加追求细节的精致。我们拥有先进的现代化热处理设备，完备的热处理人才，技术力量雄厚，配备热处理智能看板系统，采用多点控温法，力争制造出近乎完美的产品。每一道工序，每一件产品，我们都严格把关，让我们的产品在合格交付的一瞬，使之成为又一精品的代表。

The success of AVIC Excellence builds on the finest details of every work, not only outwardly. We own the modern and advanced machinery, highly qualified heat treatment staff, technically competent and smart LED display board, multiple temperature measure spots, in order to perfect our products. Every step of processes, every piece of products, we will tightly control, so that when we deliver, it is the finest output.

PRODUCTION CAPABILITIES

生产能力

机加设备 MACHINING

质量是企业立足之本，优质的产品是企业打入国际市场的强大武器。我们为了创造至尊至优的产品，严把加工过程的每一道关口，力求以一流质量的产品应对激烈的市场竞争，从而使企业永远走在行业的前列。



双柱立车 | DC-VBM

Quality is our ground, top notch product is our strength to pave the way to international market. Therefore, we need to tightly measure and control every step of the process, so that we can hold up the top notch quality, win the market battle, and continue to be the leading role of the industry.



龙门钻床 | Planer Drilling Machine



CNC



数控立车 | CNC VTL Operator

QUALITY CONTROL

品质控制

现场检测 ON-SITE INSPECTION

公司拥有完善的质量控制体系，从进料检验、产品过程检验到最终的成品交付前检验，严格的全过程质量控制管理，严谨的检测态度，确保了产品的合格交付及生产过程的可追溯性。



We have a complete quality control system, from material incoming inspection, product quality inspection till before shipping inspection, very tightly controlled and managed seriously, ensure zero defect and effective traceability.



中航检测卓越检测中心 AVIC EXCELLENCE TESTING CENTER

中航检测卓越检测中心是中航工业-中航金属材料理化检测科技有限公司布局华东的唯一检测中心，是中航工业检测第三方服务平台的重要构成，是具有第三方检测资质能力的国家级综合检测平台。



AVIC Excellence Testing Center is the only testing center of AVIC Metal Test Technology Co. Ltd. a third party service platform of AVIC Industry, very important. And, it is an experienced, capable and highly qualified state-level third party testing platform.

制样中心 SAMPLING CENTER



卧轴矩台平面磨床 | Horizontal Surface Grinding Machine



电火花高速线切割机 | High-speed WEDM



数控车床 | CNC Lathe

QUALITY CONTROL

品质控制

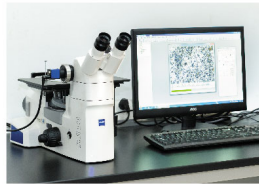
卓越检测中心设备 TESTING EQUIPMENT OF AVIC EXCELLENCE CENTER

中航工业卓越检测中心检测设备先进，检测技术完备，检测专业齐全，具有高水平的分析检测能力，完善的质量管理评价体系。设备主要涵盖了力学、化学成分、热工以及无损检测四大检测板块，配备有德国SPECTRO直读光谱仪，万能拉伸试验机，低温冲击试验机，专业金相分析仪器等先进的检测设备。

力学 MECHANICS



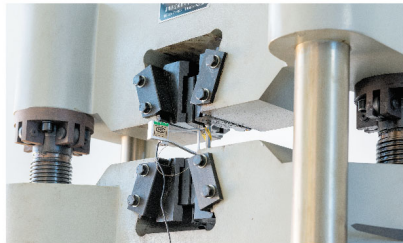
端淬试验机 | WDZ



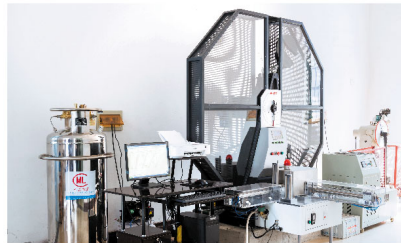
专业金相显微镜
Professional Metallurgical Microscope



电子高温蠕变持久试验机
Electronic High Temperature Creep Durable Tester



室温万能拉伸试验机 | Universal Tensile Testing Machine



冲击试验机 | Impact Testing Machine



布氏硬度计 | Brinell Hardness Tester



洛氏硬度计 | Rockwell Hardness Tester



高温电子拉伸试验机
High-temperature Electronic Tensile Testing Machine

化学成分 CHEMICAL COMPOSITION



移动式光谱仪 | Portable Spectrometer



台式光谱仪 | Spectrograph



手持式光谱仪 | Handheld Spectrometer

The Avic Excellence Testing Center is supported by advanced testing equipment, comprehensive testing technology and specialties, presenting top analyzing and testing abilities and comprehensive quality management assessment system. The equipment mainly covers four testing areas of mechanics, chemical composition, engineering thermodynamics and nondestructive testing. Advanced testing equipment include the German SPECTRO direct-reading spectrometer, universal tensile testing machine, low temperature impact testing machine and professional metallographic analysis equipment.

热工 THERMAL



热电偶校准仪 | Thermocouple Calibration Instrument

无损 NON-DESTRUCTIVE INSPECTION



超声波探伤仪 | Ultrasonic Fault Detector



超声波探伤仪 | Ultrasonic Fault Detector



磁粉探伤仪 | Magnetic Defect Detector

MAIN PRODUCTS

优质特色产品

产品生产能力 | Capacity

材质种类

碳钢、合金钢、不锈钢、高温合金、铝合金、钛合金等

产品规格范围

外径: 600mm-9000mm; 高度 ≤1500mm;

壁厚 ≤800mm; 单件重量 ≤40T

Material

Carbon steel, Alloy steel, Stainless steel, High temperature alloy, Aluminium alloy, Titanium alloy etc.

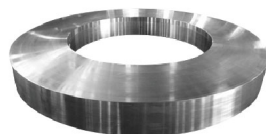
Product Specifications

Outer Diameter: 600mm-9000mm; Height ≤1500mm;

Max Wall Thickness ≤800mm; Unit Max Weight ≤40T



▲ 最大直径
Max Diameter
9000mm



▲ 最大壁厚
Max Thickness
800mm



▲ 最大高度
Max Height
1500mm

产品优势 | Advantage

- 大型特种环锻件
- 在生产厚壁环、薄壁环、扁平环、高筒件、异型环上有独特优势
- 擅长高温合金、铝合金、钛合金等有色金属难变形材料锻件生产

- Large and specialty rolled rings
- Strength: Thick rolled ring, thin rolled ring, flat rolled ring, tall rolled ring and odd-shape rolled ring.
- Materials: Superalloy, aluminium, titanium and other specialty material



▲ 钛合金 Titanium Alloy



▲ 铝合金 Aluminium Alloy

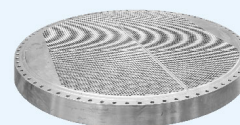


▲ 高温合金环 High Temperature Alloy Rings

典型产品 | Typical Products



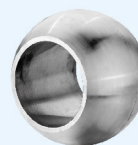
▲ 刹车盘 Brake Flange



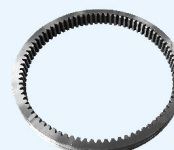
▲ 管板 Tube Plate



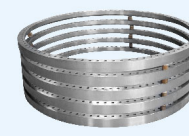
▲ 机匣 Machine Box



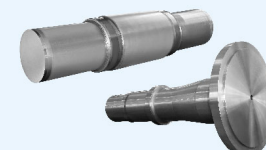
▲ 球阀 Ball Valve



▲ 内齿圈 Annular Gear



▲ 风电法兰 Wind Power Flange



▲ 轴类 Shafts

APPLICATIONS 应用领域

产品广泛应用于风电、核电、水电、燃气轮机能源机械装备领域；工程机械、大型机械设备等传动机械领域；船舶、港机、海洋平台等船舶与海工领域；石化-压力容器装备领域以及航空航天、兵器等特种行业领域。

Applications involved industries such as Energy (wind power, nuclear power, hydro power, gas turbine, etc.), Engineering Construction (transmission and drive of large and heavy machinery), Aviation/Aerospace (weapon and specialty applications), Offshore (port machinery, offshore platform, marine and deep-sea construction), Oil & Gas (pressure vessels, etc).



健康 | 安全 | 环境

HEALTH | SAFETY | ENVIRONMENT

卓越积极响应国家节能减排政策和安全生产方针，坚持以人为本的用工理念，实行全员、全过程、全方位的安全管理。承诺采用先进的科学技术及设备，节约自然资源，使用清洁能源，努力改善健康、环境和安全条件。

AVIC Excellence strongly supports government's energy saving policies and manufacturing safety guidelines, persist to promote human right, and implement whole process safety management. Committed to advanced scientific technology and equipment, save natural resources, increase usage rate of energy, endeavor to improve health, environment and safety conditions.



SOCIAL RESPONSIBILITY

社会责任

卓越致力于服务社会，实现公司经济效益同时追求卓越的社会价值。积极投入公益事业回报社会，为社会和谐健康发展做出应有的贡献。如奖优助学、困难户帮扶、爱心捐赠、传承中国传统文化活动等。卓越将继续支持公益事业，为社会和谐发展持续开展有关卓越爱的传递，让社会各界感受到来自卓越公司的温暖。

AVIC Excellence tries to service society, actualize fruitful company economy and at the same time, AVIC Excellence tries to repay society and invest in society, such as scholarship, low income subsidies, donation, keep and pass on Chinese culture, etc. Avic Excellence keeps supporting society works, maintains continuous harmony and grows to promote AVIC Excellence love expression, so that all people feel love from AVIC Excellence warm heart.

产品遍布全球56个国家及地区

OUR PRODUCTS ARE ALL OVER THE WORLD,
56 COUNTRIES AND REGIONS

优质的产品、诚信的经营以及高效的服务，赢得了国内外合作客户的青睐。秉承“信息化、科学化、服务化”的先进制造理念，公司产品遍布全国，面向世界各地，走向世界的销售网络使公司大步迈向专业化、规模化发展的快车道。我们期待与您携手共进，共创美好未来。

We earn our recognition through high quality product, high-integrity management and highly efficient service; we take on advanced manufacturing concept and believe in information management, scientific research and customer service. Thus, our products spread nationwide, expand all over the world, and toward internet selling network, becoming more professional and big scale development highway. We look forward to move with you, toward a great future!



BECOMING THE “EXCELLENCE OF EXCELLENCE” IN FORGING WORLD

打造全球顶级锻件供应商

诚信经营、保质保量、按时交付

快速反应，为客户提供及时、持续、专业的解决方案

Commit credibility, ensure quality and quantity, on time delivery

Fast response, provide customers instant, persistent and professional solutions



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