

创造高品质产品
是东南人永恒的追求
Creating high-quality products is the
eternal pursuit of dongnan people

 温州东南工业机械实业有限公司
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企业公众号



企业官网

 东南工业机械实业
DONGNAN INDUSTRIAL MACHINERY INDUSTRY

GLOBAL SUPPLIER OF METALLURGICAL EQUIPMENT

全球冶金装备提供商

www.wzdnsy.com

ABOUT DONGNAN INDUSTRY

关于东南实业

温州东南工业机械实业有限公司创办于1994年，是一家集研发、制造、销售、安装服务为一体的冶金设备配套制造企业。企业专业从事冶金设备及各种非标件等产品的科研、国产化开发、生产、安装服务的现代化高科技企业。并在2006年公司凭着卓越的市场开拓能力和良好的产品销售业绩与科研单位合作研制开发了：轧机架与轧辊轴承座之间不锈复合耐磨滑板、剪机高性能滑板系列、自润滑耐磨板、高压除鳞阀及标印机零部件的国产化，并经多家企业投产使用。不锈复合耐磨滑板完全达到可以替代国外公司原装厂配件的使用寿命。并对轧机阶梯垫进行改进。阶梯垫基板材料采用DNTZ-80合金钢锻件，在阶梯垫硬面层采用耐腐蚀高耐磨合金材料熔焊焊接工艺。产品具有良好的抗冲击性，高耐磨性，耐腐蚀性及力学性。是原阶梯垫使用寿命3倍以上，至今已拥有十分成熟的制造技术，并且得到国内钢铁企业的认可和好评。

企业生产的不锈复合耐磨滑板，使用效果已完全具备替代进口复合耐磨滑板及自主研发生产的阶梯垫，已达国际先进水平，目前是湘钢、宝武鄂钢、南钢、莱钢、山钢日照、新钢、武钢、五矿营口、柳钢、九钢、邯钢、承钢、舞钢、宝钢湛江、三钢、日钢、涟钢、鞍钢、盛隆、罡诚不锈、一重、二重、宁钢等钢铁冶金企业重要供应商之一。同时，企业还先后获得ISO质量体系认证，环境体系认证，安全生产标准化企业、企业信用AAA级证书及多项专利认证等。为品质管控规范化操作多一分保障。

东南的世界，世界的东南！东南人保持“对产品制造的严谨，使用户满意，为社会创造价值”！企业欢迎新老用户莅临指导参观考察，合作共赢！

Wenzhou Dongnan Industrial Machinery Industry Co., Ltd. was founded in 1994 and is a metallurgical equipment manufacturing enterprise that integrates research and development, manufacturing, sales, and installation services. A modern high-tech enterprise specializing in scientific research, localization development, production, and installation services of metallurgical equipment and various non-standard components. In 2006, the company collaborated with research institutions to develop a series of domestically produced stainless composite wear-resistant sliding plates between the rolling mill frame and the rolling mill bearing seat, high-performance sliding plates for shearing machines, self-lubricating wear-resistant plates, high-pressure descaling valves, and marking machine components, based on its excellent market development capabilities and good product sales performance. These products have been put into use by multiple enterprises. The stainless composite wear-resistant skateboard has fully reached the service life that can replace the original factory parts of foreign companies. And improve the step pad of the rolling mill. The substrate material of the step pad is made of DNTZ-80 alloy steel forgings, and the hard surface layer of the step pad is welded with corrosion-resistant and high wear-resistant alloy material using fusion welding technology. The product has good impact resistance, high wear resistance, corrosion resistance, and mechanical properties. It has a service life of more than three times that of the original step pad, and now has a very mature manufacturing technology, which has been recognized and praised by domestic steel enterprises.

The stainless composite wear-resistant skateboard produced by the enterprise has fully replaced imported composite wear-resistant skateboards and independently developed step pads, and has reached the international advanced level. Currently, it is one of the important suppliers to steel and metallurgical enterprises such as Xianggang, Baowu Egang, Nangang, Laigang, Shangang Rizhao, Xingang, Wukuang Yingkou, Liugang, Jiugang, Handan Iron and Steel, Chenggang, Wugang, Baosteel Zhanjiang, Sansteel, Rigang, Liangang, Angang, Shenglong, Gangcheng Stainless Steel, Yizhong, Erzhong, Ninggang, etc. At the same time, the company has also obtained ISO quality system certification, environmental system certification, safety production standardization enterprise, enterprise credit AAA certificate, and multiple patent certifications. To provide an extra guarantee for standardized quality control operations.

Dongnan's world, Dongnan of the world! Dongnan people maintain a rigorous approach to product manufacturing, ensuring user satisfaction and creating value for society! Enterprises welcome new and old users to visit, guide, inspect and cooperate for win-win results!



创办于1994年
Founded in 1994

进口配件国产化
Localization of imported parts

服务多家大中型钢企
Serving many large and medium-sized steel enterprises

多项专利认证
ISO质量认证企业
Multiple patent certification
ISO quality certification company

TECHNICAL ADVANTAGES

技术优势

掌握核心技术，服务装备制造 Master Core Technology, Service Equipment Manufacturing

目前已成功研制出新一代双金属复合耐磨滑板、复合阶梯垫等是当前耐磨、防腐等优越性为一体的新型产品，该产品最大优点特性是表面无裂纹、保证高耐磨，防腐蚀，同时具有很高抗冲击韧性和抗裂特征。产品以DNTZ80优质高强度低碳合金钢锻件为基材，采用熔焊焊接工艺而成，其不仅大幅提高了阶梯垫耐磨性能及抗冲击性能。产品表面更耐磨，品质更优越，使用寿命更长，是现在市面上所生产同类产品的使用性能3倍以上。

At present, a new generation of bimetal composite wear-resistant skateboards and step pads have been successfully developed, which are new products with the advantages of wear resistance and corrosion resistance. The biggest advantage of this product is that it has no cracks on the surface, guarantees high wear resistance, corrosion resistance, and has high impact toughness and crack resistance. Produce The product is made of DNTZ80 high-quality high-strength low-carbon alloy steel forgings as the base material, and is made by fusion welding technology, which not only greatly improves the step pad Wear resistance and impact resistance. The surface of the product is more wear-resistant, the quality is better, and the service life is longer. It is the same product produced on the market now. The performance of the product is more than 3 times.

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技术特征 Technical Characteristics

- 任意的材料组合
Any combination of materials
- 丰富的尺寸选择,不受被加工材料尺寸及形状的限制
Rich size selection, not limited by the size and shape of the processed material
- 高强度冶金结合,具备良好的工艺性能
High-strength metallurgical bonding, with good process performance
- 实现多层材料复合,金属与非金属的复合
Realize multi-layer material composite, metal and non-metal composite
- 一种新的焊接工艺和技术
-A new welding process and technology
- 一种全新的阶梯垫制造工艺
A new manufacturing process of step pad

核心服务 Core Services

- 东南为客户的难题、方案或需求提供全面解决方案确定
Dongnan provides comprehensive solution determination for customers' problems, solutions or needs
- 东南为客户定向进行技术和产品的研发、测试和标准设计
Dongnan conducts research and development, testing and standard design of technology and products for customers
- 东南为客户按企业标准要求进行产品生产
Dongnan produces products for customers in accordance with corporate standards
- 东南为客户提供持续的技术修正和服务
Dongnan provides customers with continuous technical corrections and services

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面对荣誉，东南实业不骄不躁，
努力沿着以人为本，全面发展的方面稳步挺进，
为企业带来新的飞跃，铸造新的辉煌。

In the face of honor, Dongnan Industry is not arrogant or impetuous,
Strive to steadily advance along the people-oriented and all-round
development,Bring a new leap for the enterprise and cast new
brilliance.

CERTIFICATE 证书

QUALIFICATION HONOR

资质荣誉

Focus Major Concentrate

专注·专心·专业



东南获得的资质和荣誉，是对东南过去取得成绩的肯定，
也是对东南创造明日辉煌的鼓舞和鞭策！
向新的台阶迈进，是东南人顽强拼搏、永不停歇的信念！

The qualifications and honors Dongnan has obtained are an affirmation of Dongnan's
past achievements. It is also an encouragement and spur to Dongnan's creation of
tomorrow's brilliance! Striding to a new level is the faith of Dongnan people to work
hard and never stop!



INTELLIGENT EQUIPMENT

智造设备



经过近二十余年的艰苦奋斗、务实拼搏、开拓创新,企业实现了飞速、持续健康发展。东南拥有一支素质高、能力强、业务精的技工队伍。企业配备现代化标准生产车间,精良的车、铣、刨、钻等加工设备,先进的生产技术及制造工艺、完善的检验设施及检测手段保证了产品的高品质输出。

After nearly two decades of hard work, pragmatic hard work, pioneering and innovative, the company has achieved rapid, sustained and healthy development. Southeast has a team of high quality, strong ability, A team of skilled technicians. The company is equipped with modern standard production workshops, sophisticated turning, milling, planing, drilling and other processing equipment, advanced production technology and manufacturing technology, Perfect inspection facilities and testing methods ensure the high-quality output of products.



STRATEGIC PARTNERS

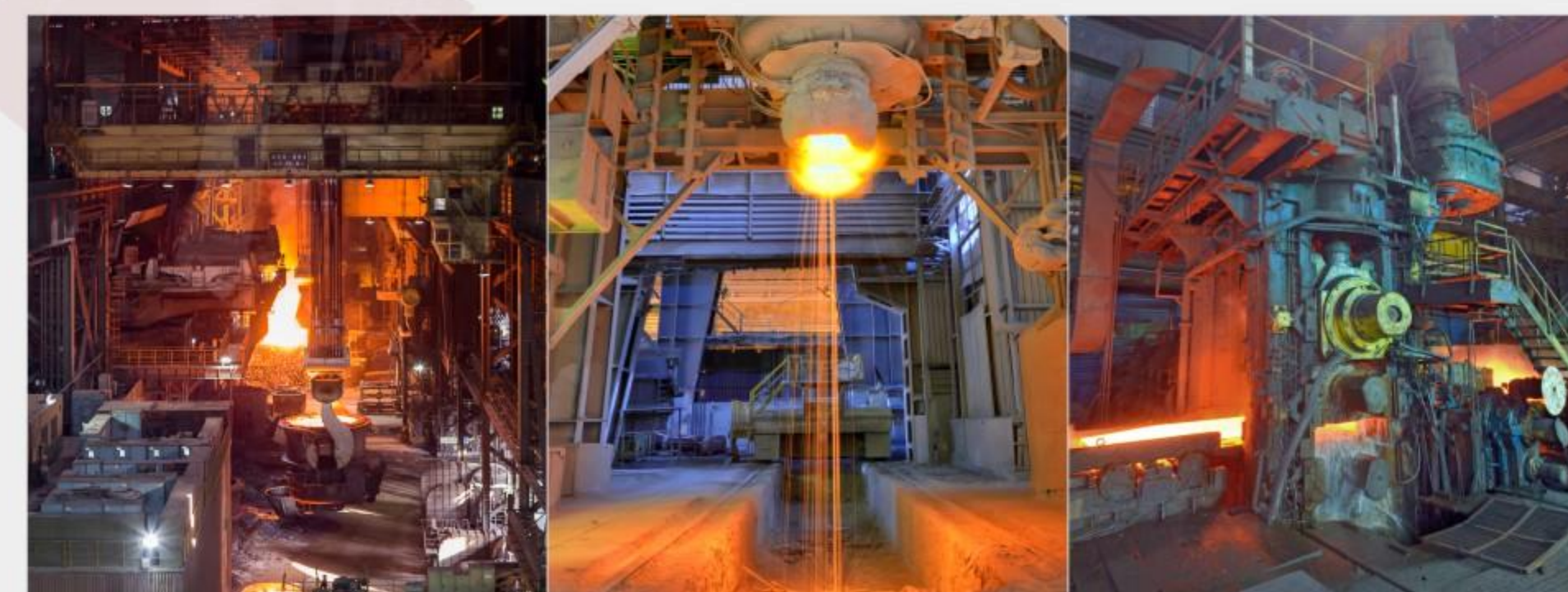
战略合作伙伴



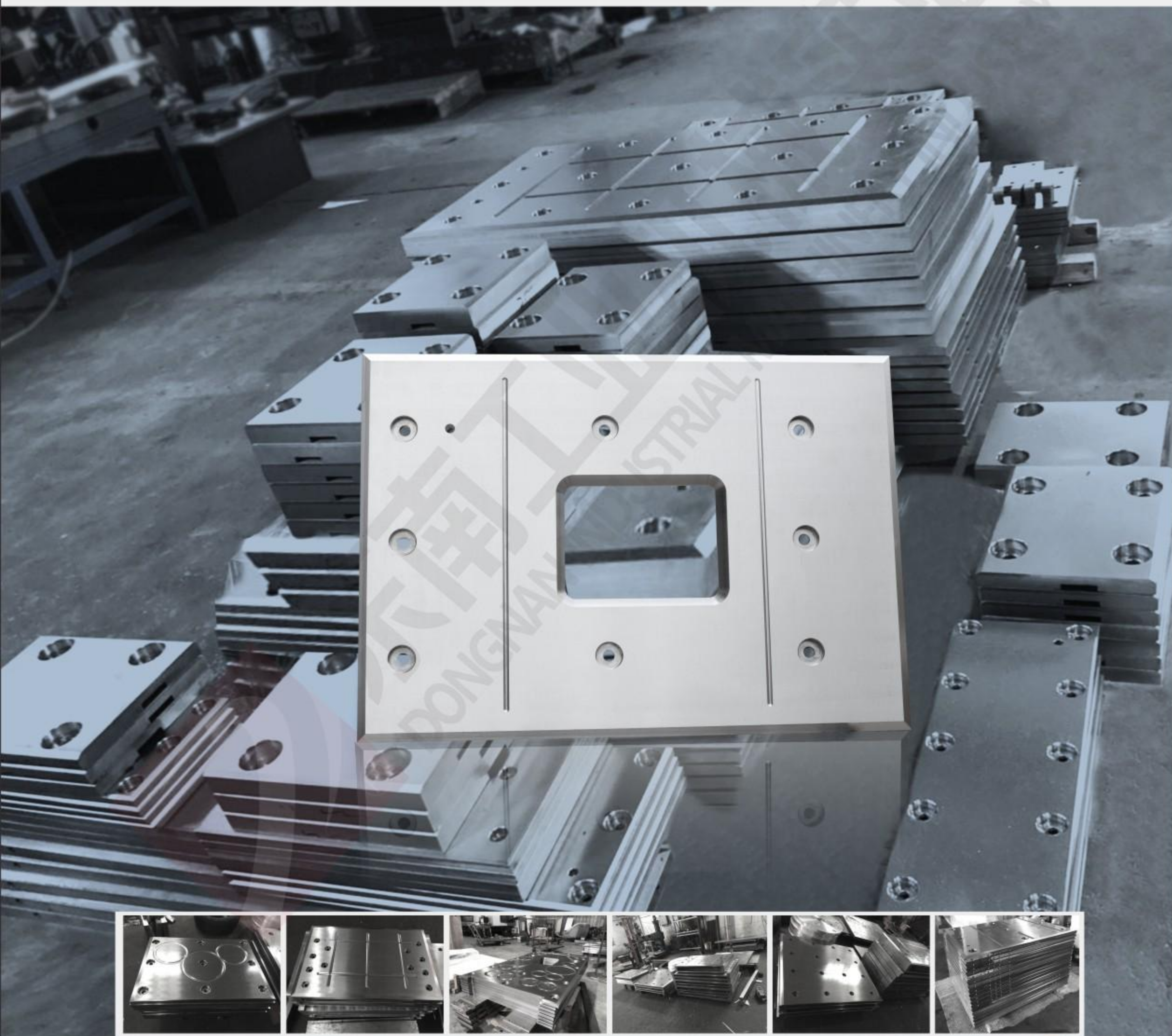
PRODUCT CATALOG

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COMPOSITE SKATEBOARD SERIES 复合滑板系列



滑板特征与工艺 Skateboard Characteristics And Craftsmanship

轧机复合滑板是由复合材料制作而成，所为复合材料是有二种不同的材料复合而成。其一为耐磨层厚度大于总厚度25%以上（6mm-10mm）高耐磨不锈钢合金材料，通过处理使其达到很高的硬度作为磨擦表面，剩余的材料为低碳低硬度材料，利用其良好的韧性达到抗冲击的目的和保护机架磨损。滑板的基体层和耐磨层采用轧制复合、爆炸复合、熔焊焊接复合等方式复合而成。

熔焊焊接复合而成的滑板是冶金结合，结合率达到100%，确保基体层和耐磨层不会产生变形龟裂脱落等现象。本金属材料在固态下形成连续的冶金结合，而在本质上却不改变原组份材料的化学成分、结构及耐腐蚀性能，结合强度优于其它固态结合方法所得到的产品。滑板的耐磨层厚度大于总厚度25%以上，保证产品的耐磨性能、产品变形能力与平整度。滑板经过特殊加工工艺复合而成，即具有不锈钢的耐腐蚀性、耐磨性、抗磁性；又具有碳钢良好的可焊性、成型性、拉延性、导热性。滑板耐磨合金层的化学成分中，铬含量高，其金相组织中Cr7C3碳化物的体积分数达到50%以上，宏观硬度为HRC50~55，碳化铬的硬度为HV1400-1800。由于碳化物成于磨损方向相垂直分布，即使与同成分和硬度的铸造合金相比较，耐磨性能大大提高。滑板的基层为低碳钢或低合金或不锈钢等韧性材料。体现双金属的优越性，耐磨层抵抗磨损，基层承受载荷，因此有良好的耐磨冲击性。

我们研制的复合滑板各项技术指标均达到进口相同产品的性能，使用寿命与进口复合滑板相当。是氮化钢滑板的4-5倍，已完全具备代替进口复合滑板的条件，从根本上解决了中厚板、热轧机组上的备件供应。打破欧洲长期垄断中国冶金行业市场，创新填补了国内空白。由于复合滑板使用寿命长，在保证轧钢质量前提下，延长了轧机更换衬板的周期，减少停机时间，提高生产效率，降低了备件消耗，节约了维修费用，具有显著的经济效益和社会效益。

耐磨复合滑板基本参数：

耐磨层厚度 mm	5-15mm	(占总厚度25%以上)
基层厚度 mm	15-50mm	(占总厚度75%以下)
基层硬度 HB	140-180	(保护牌坊、轴承座)
耐磨层硬度 HRC	50-55	表面粗糙度：0.8 - 3.2

The rolling mill composite slide plate is made of composite materials, and the composite material is a composite of two different materials. One is the thickness of the wear layer More than 25% of the total thickness (6mm-10mm) high wear-resistant stainless alloy material, through treatment to achieve a high hardness as a friction surface, The remaining material is low-carbon and low-hardness material, which uses its good toughness to achieve the purpose of impact resistance and protect the frame from wear. The base layer and wear resistance of the skateboard The layers are composed by rolling composite, explosive composite, fusion welding composite and other methods.

The slide plate made of fusion welding and welding is metallurgical bonding, and the bonding rate reaches 100%, ensuring that the base layer and the wear-resistant layer will not be deformed, cracked, and peeled off And other phenomena. This metal material forms a continuous metallurgical bond in the solid state, but does not essentially change the chemical composition, structure and resistance of the original component material. Corrosion performance and bonding strength are better than products obtained by other solid-state bonding methods. The thickness of the wear-resistant layer of the skateboard is more than 25% of the total thickness to ensure the product The wear resistance, product deformation ability and flatness of the product. The skateboard is compounded by a special processing technology, that is, it has the corrosion resistance, wear resistance, and wear resistance of stainless steel. Diamagnetic; It also has good weldability, formability, ductility and thermal conductivity of carbon steel. . In the chemical composition of the wear-resistant alloy layer of the skateboard, the content of chromium is high, The volume fraction of Cr7C3 carbide in the metallographic structure is more than 50%, the macroscopic hardness is HRC50-55, and the hardness of chromium carbide is HV1400-1800. Because the carbides are distributed vertically in the direction of wear, even when compared with cast alloys of the same composition and hardness, the wear resistance is greatly improved. Skateboard The base layer is made of tough materials such as low carbon steel or low alloy or stainless steel. Reflecting the superiority of bimetal, the wear-resistant layer resists abrasion, and the base layer bears the load, so Has good abrasion and impact resistance.

The technical indicators of the composite skateboard we developed have reached the performance of the same imported product, and the service life is equivalent to that of the imported composite skateboard. Is nitriding 4-5 times the steel slide plate, it is fully equipped to replace the imported composite slide plate, which fundamentally solves the supply of spare parts on the plate and hot rolling mills. Breaking the long-term European monopoly of China's metallurgical industry market, innovation has filled the domestic gap. Due to the long service life of the composite sliding plate, before ensuring the quality of rolled steel In addition, it extends the liner replacement cycle of the rolling mill, reduces downtime, improves production efficiency, reduces the consumption of spare parts, and saves maintenance costs. There are significant economic and social benefits.

SKATEBOARD SERIES

滑板系列



复合滑板
Composite skateboard



复合滑板
Composite skateboard



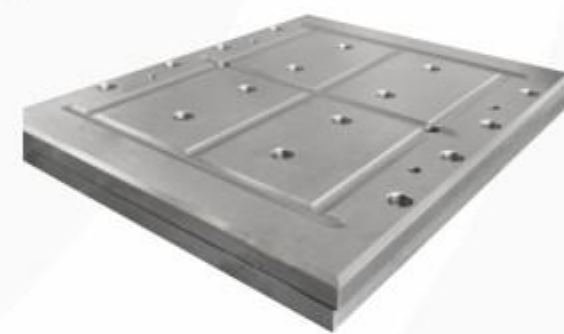
复合滑板
Composite skateboard



复合滑板
Composite skateboard



复合滑板
Composite skateboard



复合滑板
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复合滑板
Composite skateboard

SKATEBOARD SERIES

滑板系列



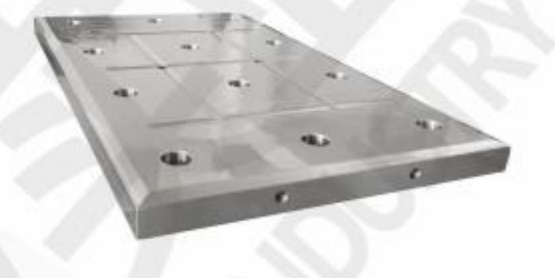
复合滑板
Composite skateboard



复合滑板
Composite skateboard



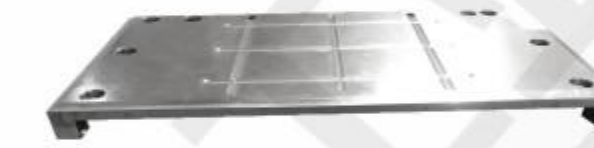
复合滑板
Composite skateboard



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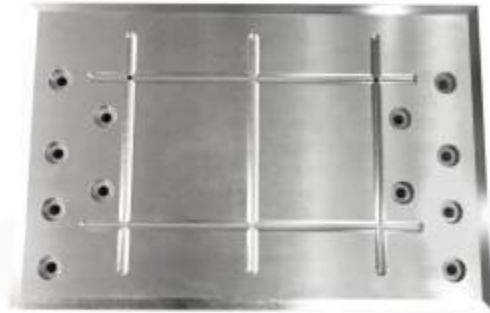
复合滑板
Composite skateboard

SKATEBOARD SERIES

滑板系列



复合滑板
Composite skateboard



复合滑板
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复合滑板
Composite skateboard



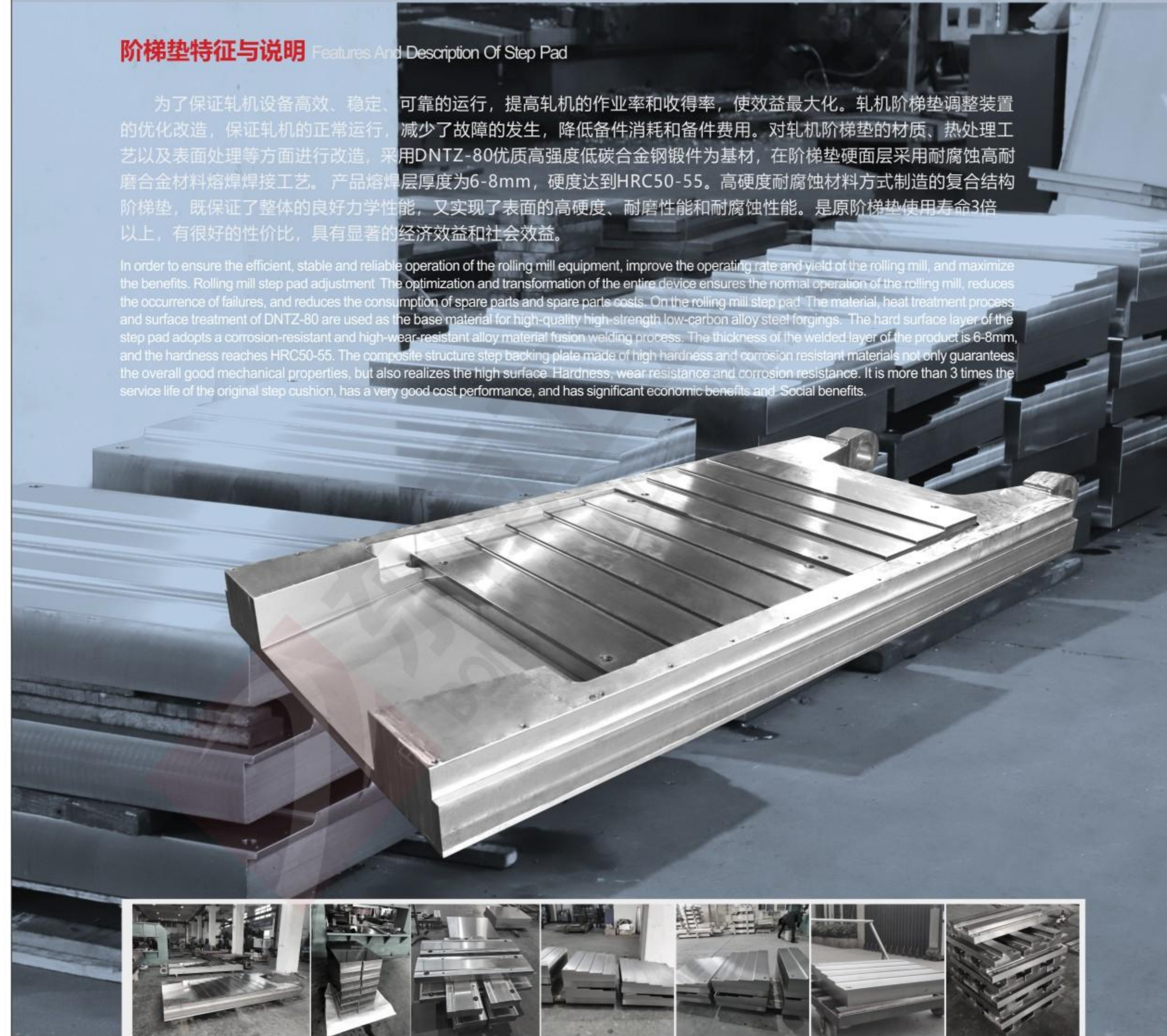
复合滑板
Composite skateboard

LADDER PAD SERIES 阶梯垫系列

阶梯垫特征与说明 Features And Description Of Step Pad

为了保证轧机设备高效、稳定、可靠的运行，提高轧机的作业率和收得率，使效益最大化。轧机阶梯垫调整装置的优化改造，保证轧机的正常运行，减少了故障的发生，降低备件消耗和备件费用。对轧机阶梯垫的材质、热处理工艺以及表面处理等方面进行改造，采用DNTZ-80优质高强度低碳合金钢锻件为基材，在阶梯垫硬面层采用耐腐蚀高耐磨合金材料熔焊焊接工艺。产品熔焊层厚度为6-8mm，硬度达到HRC50-55。高硬度耐腐蚀材料方式制造的复合结构阶梯垫，既保证了整体的良好力学性能，又实现了表面的高硬度、耐磨性能和耐腐蚀性能。是原阶梯垫使用寿命3倍以上，有很好的性价比，具有显著的经济效益和社会效益。

In order to ensure the efficient, stable and reliable operation of the rolling mill equipment, improve the operating rate and yield of the rolling mill, and maximize the benefits. Rolling mill step pad adjustment. The optimization and transformation of the entire device ensures the normal operation of the rolling mill, reduces the occurrence of failures, and reduces the consumption of spare parts and spare parts costs. On the rolling mill step pad. The material, heat treatment process and surface treatment of DNTZ-80 are used as the base material for high-quality high-strength low-carbon alloy steel forgings. The hard surface layer of the step pad adopts a corrosion-resistant and high-wear-resistant alloy material fusion welding process. The thickness of the welded layer of the product is 6-8mm, and the hardness reaches HRC50-55. The composite structure step backing plate made of high hardness and corrosion resistant materials not only guarantees the overall good mechanical properties, but also realizes the high surface. Hardness, wear resistance and corrosion resistance. It is more than 3 times the service life of the original step cushion, has a very good cost performance, and has significant economic benefits and Social benefits.

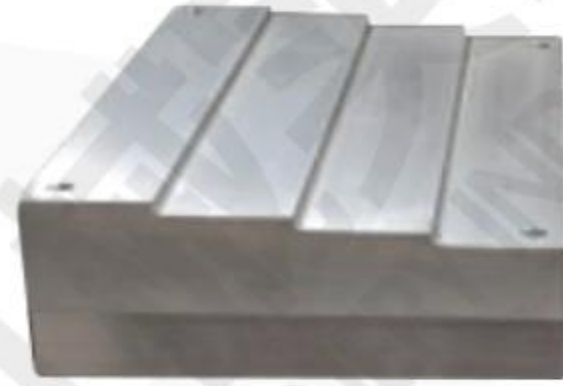


LADDER PAD SERIES

阶梯垫系列



阶梯垫
Step cushion



阶梯垫
Step cushion



阶梯垫
Step cushion



阶梯垫
Step cushion



阶梯垫
Step cushion



阶梯垫
Step cushion

LADDER PAD SERIES

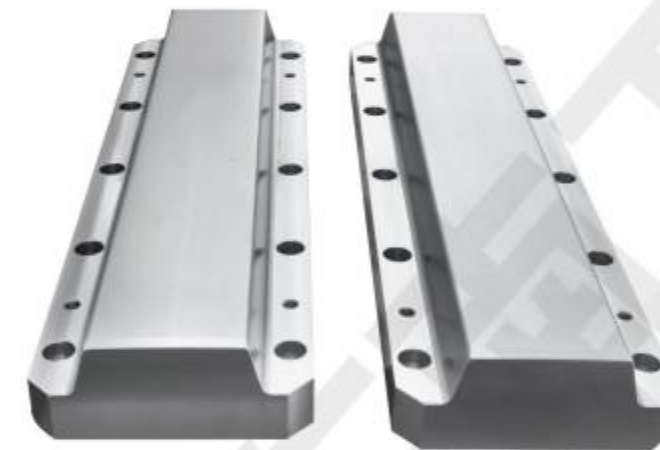
阶梯垫系列



垫板
Pad



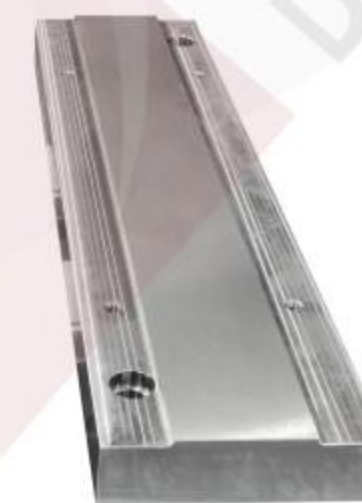
弧形垫板
Curved backing plate



垫板
Pad



垫板
Pad



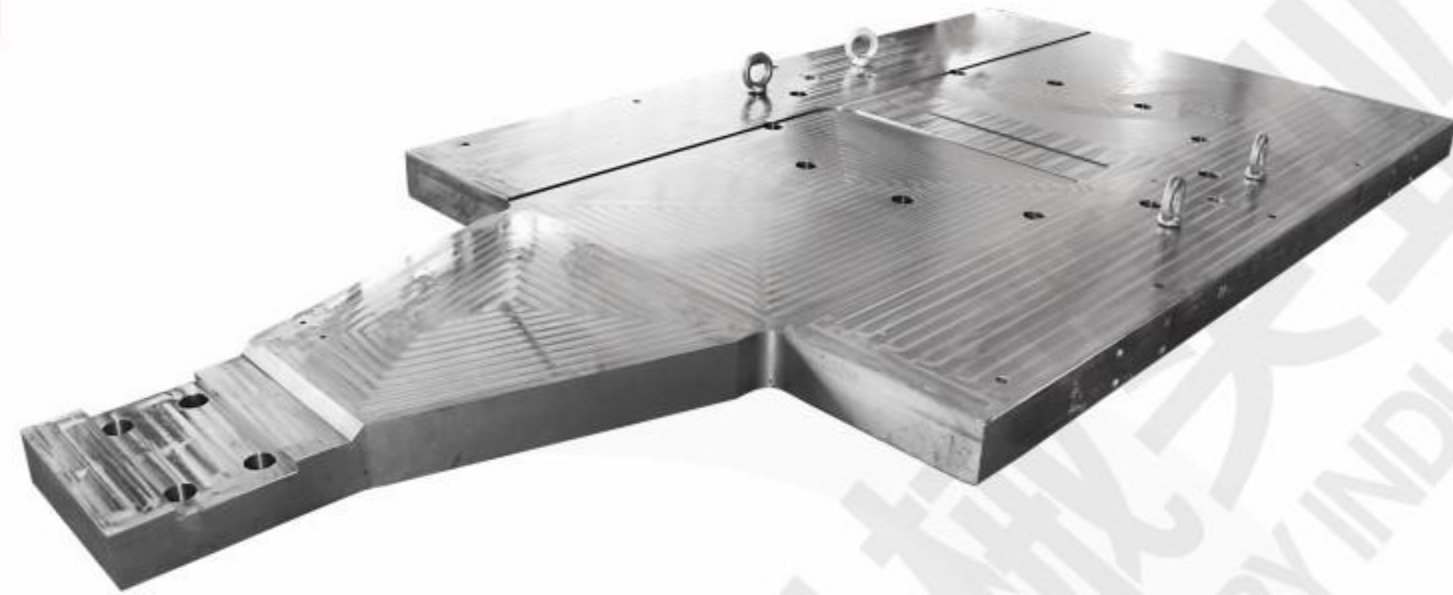
垫板
Pad



垫板
Pad

**ROLLING MILL ACCESSORIES
SERIES - PRESSURE PLATE**

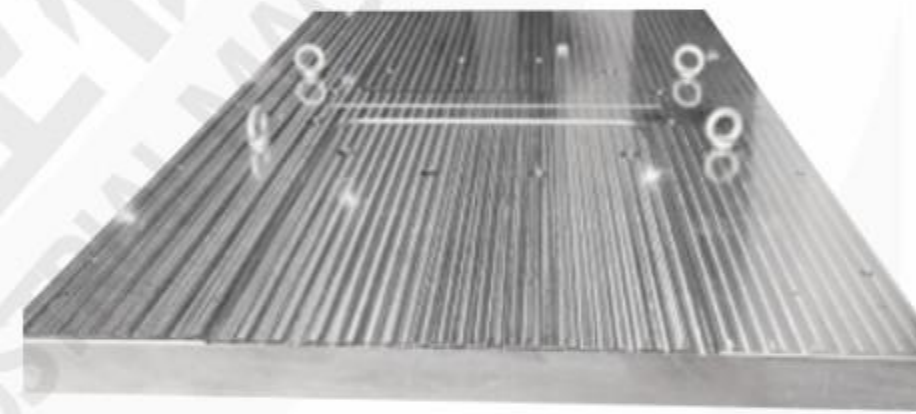
轧机配件系列



压力板
Pressure plate



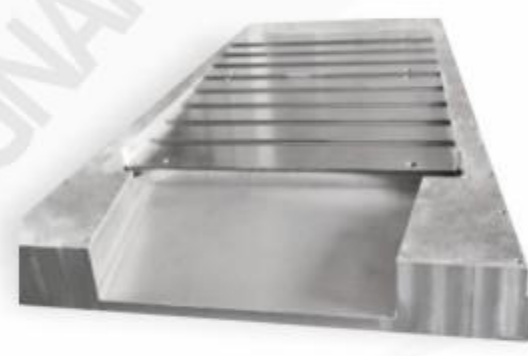
刀座
Knife holder



压力板
Pressure plate



导向块
Guide block



阶梯垫组合
Ladder cushion combination



阶梯垫框架
Step cushion frame



底板
Bottom plate



承压板
Bearing plate



夹紧环
Clamping ring

**ROLLING MILL ACCESSORIES
SERIES - PRESSURE PLATE**

轧机配件系列



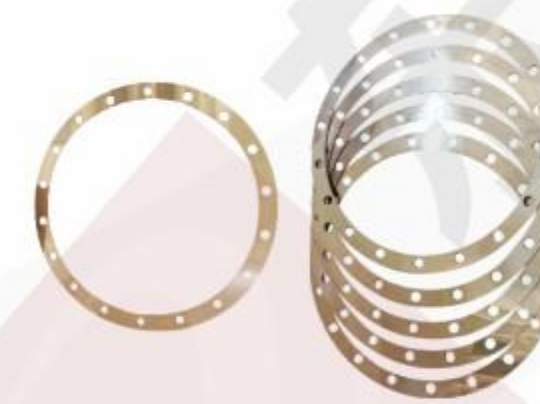
毛刺辊
Burr roll



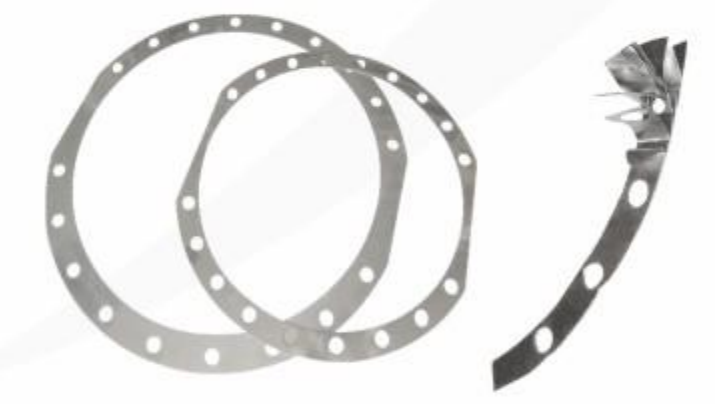
油缸
Cylinder



轴承座
Bearing seat



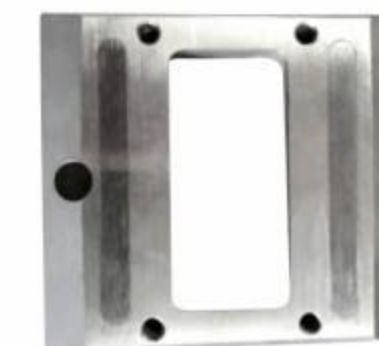
轴承座垫片
Bearing seat gasket



可撕垫片
Tearable gasket



探伤支架组件
Flaw detection bracket assembly



探伤耐磨板
Flaw detection wear plate



探伤耐磨板
Flaw detection wear plate

**ROLLING MILL ACCESSORIES
SERIES - PRESSURE PLATE**
轧机配件系列



铜滑块
Copper slider



铜滑块
Copper slider



复合垫板
Composite pad



铜滑板
Copper slider



剪机球体座
Shear ball seat

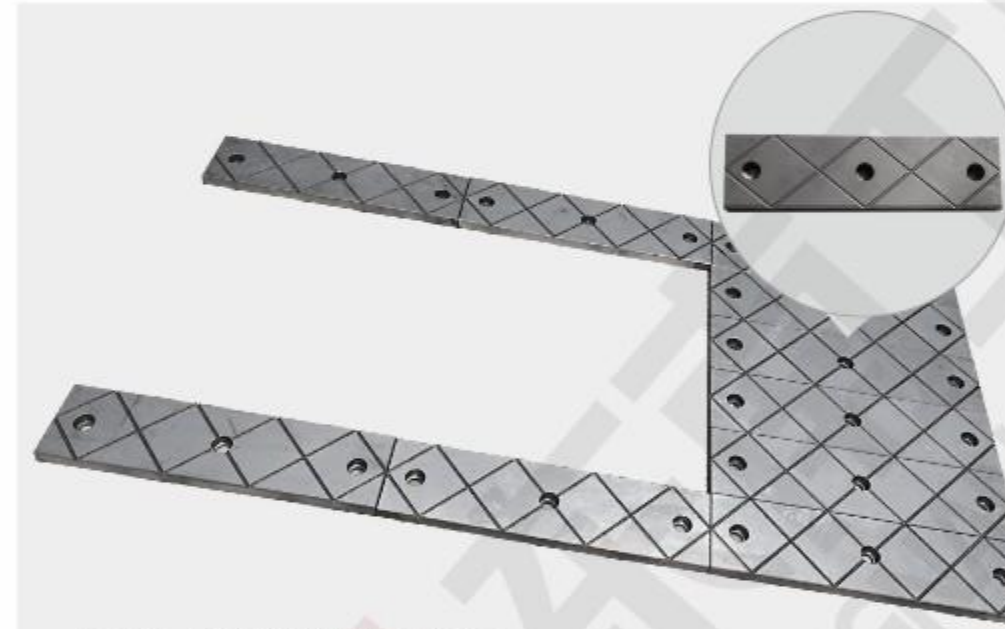
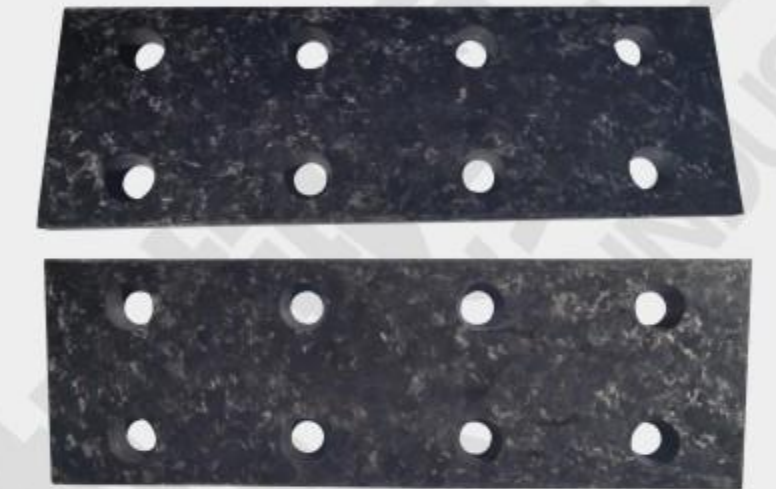


自润滑铜件
Self-lubricating copper parts

**SHEARING MACHINE SELF-LUBRICATING
WEAR-RESISTANT PLATE SERIES**
剪机板自润滑耐磨板系列



WEARCOMP
Shearing machine WEARCOMP high-performance skateboard



DEVA.BM自润滑耐磨板
DEVA.BM self-lubricating wear-resistant plate



自润滑耐磨板
Self-lubricating wear plate



MARKING MACHINE ACCESSORIES SERIES
标印机配件系列

PHOSPHORUS REMOVAL SERIES VALVE
除磷系列阀门



喷印组件
Printing components

冲印组件
Printing components



除磷阀
Descal valve

三通闸阀
Three-way gate valve

逆止阀
Check valve

手动闸阀
Manual gate valve

阀芯
Spool



东南实业

DONG NAN INDUSTRIAL

售后服务和质量保证承诺

随着国家市场经济的深入发展，市场竞争日趋激烈，广大用户对产品的要求也越来越高，并且对售后服务方面的要求也越来越多，为此，我公司质量管理部门为适应市场发展的要求，专门设立了售后服务组、配备了专职服务人员负责处理我公司产品售后服务事宜。同时我公司在内部质量管理方面也作出了多方努力，获得了ISO9001质量体系认证、CE认证和多项专利证书等，为此我公司完全可以做到：

一、产品配发检验合格证书和说明书，以确保用户能正确安装适用我公司产品。

二、我公司保证出厂的产品均按有关国际标准生产和检验，不合格的产品绝不出厂。保证严格履行、兑现产品的四包，严格执行国家工业产品售后服务有关规定，对出厂产品自发货日起的十二个月内，在产品说明书规定的正常操作条件下我公司将负责质保期内质量完好。

三、如用户对我公司产品提出的质量异议，我公司保证在接到用户提出异议后2小时内作出处理意见。若需要现场解决的，保证派出专业技术服务人员，并做到质量问题不解决服务人员不撤离。对每件用户反馈的产品质量问题及处理结果我公司将存档。

以上三点是我公司对售后服务的承诺。竭诚欢迎广大用户指导修正，请提出宝贵意见，参照改进。真诚希望我们之间合作愉快。



温州东南工业机械实业有限公司

东南实业

DONG NAN INDUSTRIAL

AFTER-SALES SERVICE QUALITY ASSURANCE COMMITMENT

With the further development of a national market economy, the increasingly fierce market competition, the majority of users of the product requirements also more and more high, and more and more demand for after-sale services, to this end, our quality management department in order to adapt to the requirement of market development, set up special after-sale service group, equipped with full-time service personnel shall be responsible for handling matters of our company product after-sales service. At the same time, our company has also made many efforts in internal quality management and obtained ISO9001 quality system certification, CE certification and a number of patent certificates, etc. To this end, our company is fully capable of:

I. The products shall be issued with inspection certificates and instructions. I. to ensure that the users can correctly install and apply the products of our company.

II. Our company guarantees that the products are produced and inspected in accordance with the relevant international standards, and unqualified products will never leave the factory. We promise to strictly perform and deliver the four packages of products, strictly implement the relevant regulations of national industrial products after-sales service, and within 12 months from the date of delivery of the products, we will be responsible for the quality of the products within the warranty period under the normal operating conditions specified in the product manual.

III. If the user has any objection to the quality of our products, we promise to make Suggestions within 2 hours after receiving the objection. If it needs to be solved on site, it shall ensure that professional technical service personnel are dispatched, and the service personnel shall not be evacuated until quality problems are solved. We will archive the quality problem and result of every feedback.

The above three points are our company's commitment to after-sales service. We sincerely welcome your comments and Suggestions for improvement. We sincerely hope that we can have a pleasant cooperation.



WENZHOU DONGNAN INDUSTRIAL MACHINERY INDUSTRIAL CO., LTD.