

专注于硬质合金的生产、精密加工、焊接
Focus on tungsten carbide production, precision
machining, welding





公司严格按照 ISO9001 标准组织生产，并采用 ERP 和 MES 系统对生产流程进行管控。目前产品已批量出口到欧美、东南亚、非洲、南美、中东等地区。

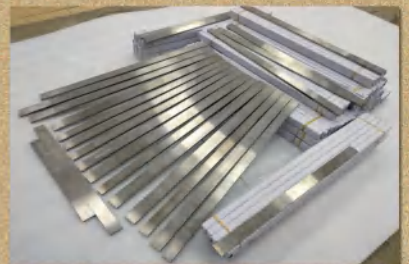
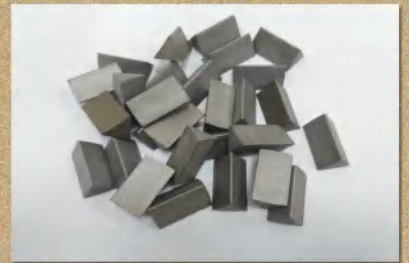
The production is organized strictly according to ISO9001 standard, ERP and MES system is adopted to control the production process. At present, the products have been exported to Europe, America, Southeast Asia, Africa, South America, the Middle East, etc.

硬质合金常用牌号参考表
Reference table for common grade of tungsten carbide

牌 号 Grade	密 度 Density	硬 度 Hardness	强 度 Bending Strength
	g/cm ³	Hv3 (HRA)	Mpa
YK05	14.85-15.05	91	2500
YK10	14.60-14.76	90	2700
YK20	14.40-14.60	86	3000
YK25	14.40-14.60	87	2800
YG6	14.85-15.05	91.5	2200
YG6X	14.85-15.05	92.5	2000
YG8	14.65-14.85	90	2600
YG8C	14.55-14.75	88.5	2800
YG11	14.30-14.50	88.5	2700
YG11C	14.20-14.40	87	2800
YG15	13.95-14.15	88	3200
YG20	13.45-13.65	85	2600
YG20C	13.40-13.60	83.5	2800
YS30	12.65-12.85	91	2400
YS2T	14.35-14.55	92	2400
YS25	12.95-13.15	91.5	2500
YC40	13.04-13.20	91	2300
YC45	12.65-12.85	91.5	2500
YF06	14.86-14.96	93.5	2400
YU08	14.56-14.65	92.5	2200
YL10.2	14.40-14.55	91.5	3200
YT5	12.90-13.10	90.5	2200
YT14	11.40-11.60	91.5	2000
YT15	11.25-11.45	92	1800
YW1	13.20-13.40	92.5	2000
YW2	13.00-13.20	92	2200
YN8	14.61-14.85	91.5	2500
YN10	14.22-14.40	91.0	2800

硬质合金产品

Tungsten carbide products



成功的合作始于此！
Successful Cooperation Commences Here!

硬质合金产品

Tungsten carbide products



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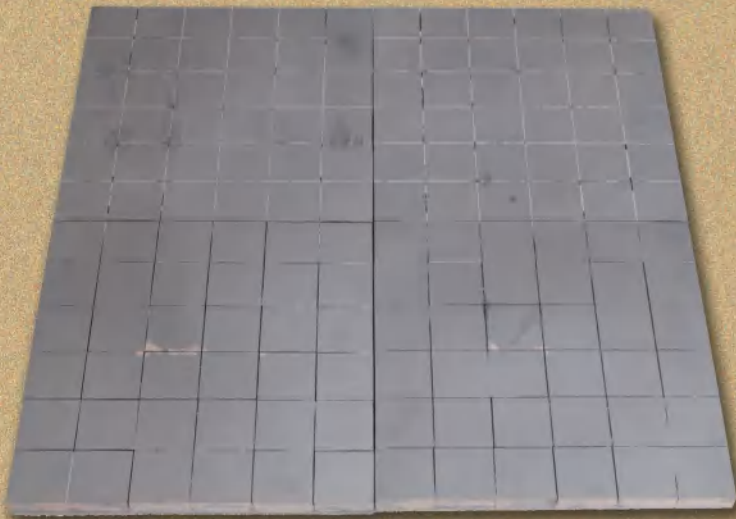
真空焊接产品 Vacuum welding products

矿用耐磨板：

1. 针对矿用耐磨板研发的独特硬质合金牌号，具有高硬度，高强度，高耐磨性特点，其使用寿命远远高于传统耐磨板
2. 采用独特的真空扩散焊接工艺，使硬质合金与钢件完美结合，能应用于高温，低寒，高冲击等各种恶劣环境。

Wear-resistant plate for mine:

1. The special tungsten carbide grade for the wear-resistant plate has the characteristics of high hardness, high strength and high wear resistance. Its service life is much higher than the traditional wear-resistant plate.
2. The Special vacuum welding process is used to combine the tungsten carbide with the steel perfectly. It can be applied to various harsh environments, such as high temperature, low cold and high impact.



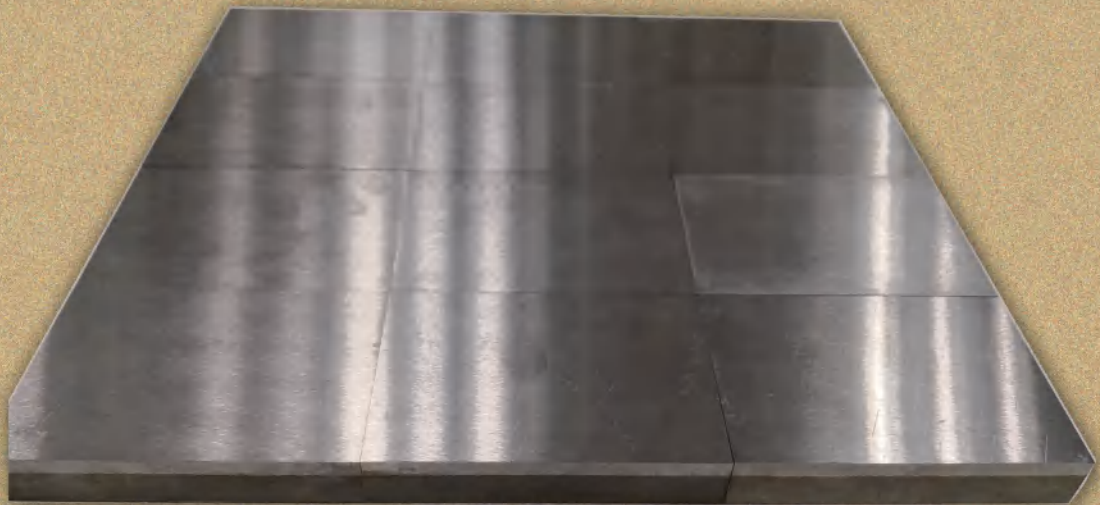
真空焊接产品 Vacuum welding products

耐火砖模具：

特殊的硬质合金牌号、特殊的焊接工艺，目前全部出口到欧美国家。

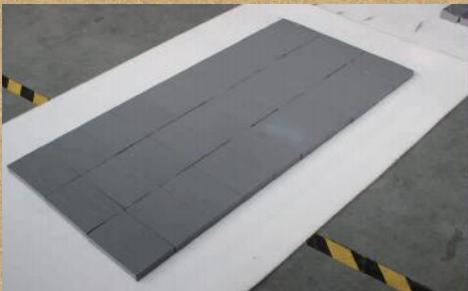
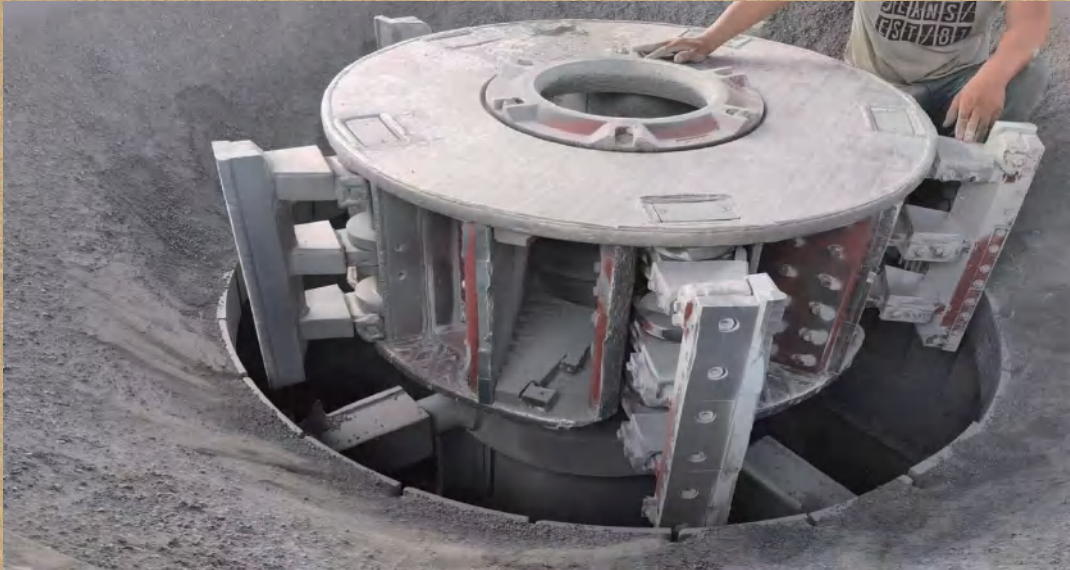
Refractory brick mold:

With the special tungsten carbide grade and special welding process, our products are exported to European and American countries at present.



Spare Parts for Crusher 制砂机配件

- 制砂机锤头、加速板、安装座。
- 承接制砂机和破碎机耐磨件的非标定制
- The hammerhead, wear-resistant plate, and mounting base of the sand-making machine.
- Undertake non-standard customization of wear-resistant parts for sand-making machines and crushers



wear-resistant plate
制砂机加速板



hammer head for sand-making
制砂机锤头



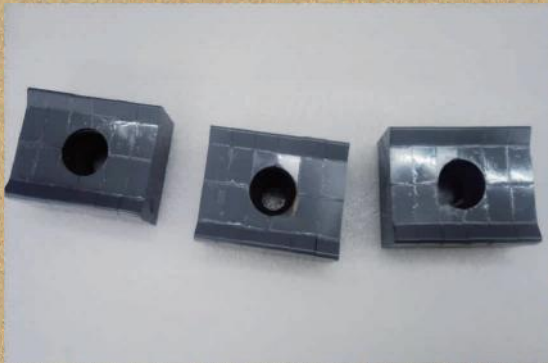
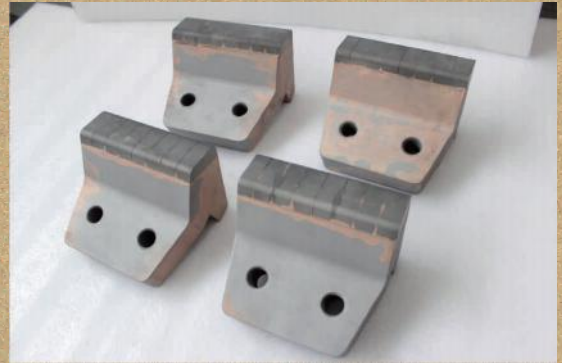
Mounting base of the sand making machine
制砂机安装座



Crusher Hammer
破碎机锤头

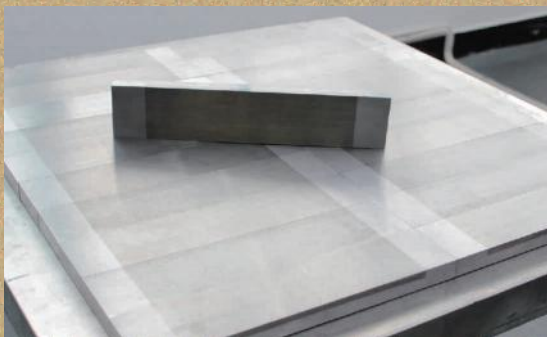
Spare Parts for Crusher 制砂机配件

- 配合客户根据不同的使用工况调整合金牌号和焊接工艺
- Cooperate with customer to adjust carbide grades and brazing processes according to different usage conditions



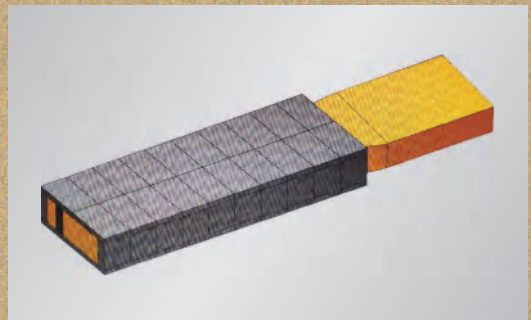
Liner for Refractory Brick Mold 耐火砖模具衬板

- 从硬质合金生产、精密加工到真空钎焊，控制每个过程的质量。产品质量得到客户的认可。
- Control the quality of each process starting from carbide tiles production, and precision machining to vacuum brazing. Product quality has been recognized by customers



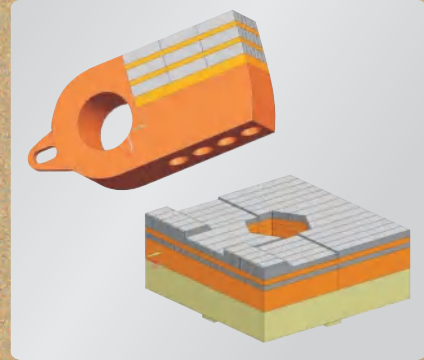
Paddle for Mixer 搅拌机叶片

- 产品质量和设计得到了客户的认可。合金牌号和产品形状设计可根据现场使用情况进行调整。
- Product quality and design have been recognized by customers. The carbide grade and product shape design can be adjusted according to on-site usage conditions.



硬质合金多层复合矿石破碎机锤头 Carbide Multi-layer Composite Ore Crusher Hammer

- 硬质合金多层复合矿石破碎机锤头用于替换高铬和高锰锤头。
- 使用寿命长达10至30倍，专为最严苛的采矿和破碎应用而设计。
- Replace traditional high chromium and high manganese hammers with our advanced carbide-brazed hammers.
- Offers up to 10-30 times longer service life, engineered for the toughest mining and crushing applications.



传统锤头的不足：

- 使用寿命短：每侧仅能维持16-20小时，需要频繁更换，从而影响生产效率。
- 复杂更换：更换耗时且费力，特别是在恶劣的工作环境中。
- 效率降低：磨损的锤头显著降低了破碎性能，影响了整体产量。

Customer Pain Points:

- Short Service Life: Lasts only 16-20 hours per side, requiring frequent replacements that disrupt production efficiency.
- Complex Replacement: Time-consuming and labor-intensive to replace, especially in harsh working environments.
- Reduced Efficiency: Worn hammers significantly lower crushing performance, impacting overall output.



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硬质合金多层复合矿石破碎机锤头 Carbide Multi-layer Composite Ore Crusher Hammer

创新解决方案

- 1、多层硬质合金设计：每层硬质合金牌号独具功能，兼具超强抗冲击性与耐磨性。
- 2、钎焊：独特的焊接工艺确保多层材质完美融合，焊接面坚固耐久。
- 3、定制化结构优化：专为高转速设备设计，提升锤头整体性能，适应极端工况。我们采取一客户一设计的定制方案，根据实际情况帮助客户解决问题。

Innovative Solutions

1.Multi-Layer Carbide Design: Each layer features a specialized carbide grade, delivering exceptional impact resistance and wear protection.

2.Precision Brazing: Our unique brazing process ensures a seamless fusion of multi-layer materials, creating a robust and durable bonding surface.

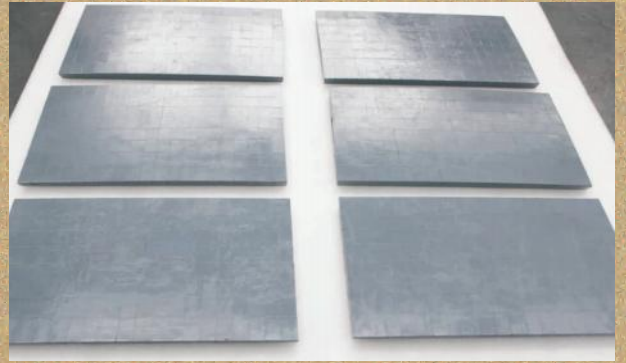
3.Customized Structural Optimization: Engineered for high-speed equipment, this design enhances overall hammer performance and adapts to extreme conditions. We offer a tailored, one-client-one-design approach to address your specific challenges based on real-world needs.



- 广泛用于铁矿石、铜矿石、镁矿石、钨矿石、花岗岩、玄武岩、石灰石、煤等矿石的破碎。
- Widely used in crushing iron ore, copper ore, magnesite, tungsten ore, granite, basalt, limestone, coal, and other ores.

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- Drag liners for Transfer Conveyor



- Liners for HPGR Flange



- Newly produce the edge blocks for the HPGR.

Welcome to contact us for the customized design!

硬质合金钎焊耐磨板 Vacuum Brazed Carbide Wear Liners

硬质合金耐磨衬板是专为标准耐磨板无法有效应对的严重磨损应用而设计。硬质合金耐磨衬板采用厚度可达30毫米的硬质合金块真空钎焊在低碳钢背板上。我们擅长定制设计，从产品形状到硬质合金牌号。如果您有新的需求或希望升级现有材料以延长使用寿命，请联系我们。

Carbide wear liner is the super extreme in wear resistant liners and is designed for applications that experience severe abrasion, where standard wear plate is ineffective. Carbide wear liner is available with Tungsten Carbide tiles, in a range of thickness up to 30mm, vacuum brazed to a mild steel backing plate. We are good at customized design, from the shape and carbide grade of the product. If you have a new requirement or want to upgrade your present material to get a much longer life, please contact us. The standard base material is mild steel plate of varying thickness, ensuring the finished parts are readily weldable.

背板

背板为不同厚度的低碳钢板，以确保成品零件易于焊接。

Base Materiale

The standard base material is mild steel plate of varying thickness, ensuring the finished parts are readily weldable.

硬质合金块性能：我们提供多种牌号，适用于不同的用途，并可根据不同客户的需求设计新的牌号，以满足其现场需求。以下是我们正在使用的一些标准牌号，钎焊强度高于220MPa。

Carbide Tiles Properties, we have many grades for the different usage, and we can design new grades according to different customers' requirements to meet their on-site needs. Below are some standard grades we are using, and the brazing strength is higher than 220MPa.

Grade	CalificaciónDensity (Densidad) g/cm ³	Hardness (Dureza) HV3(HRA)	Strength (Fortaleza) MPa
YG6	14.85-15.05	91.5	2200
YG8	14.65-14.85	90	2600
YG8C	14.55-14.75	88.5	2800
YL10.2	14.40-14.55	91.5	3200
YG11	14.30-14.50	88.5	2700
YG11C	14.20-14.40	87	2800
YG15	13.95-14.15	88	3200

优势

- 真空钎焊结合强度超过橡胶或直接粘结陶瓷的典型结合强度。
- 低碳钢底板可轻松进行螺柱焊接。
- 超硬衬板，适用于极端磨损工况。
- 个性化定制，满足不同客户的现场使用需求

Benefits

- Vacuum brazed bond exceeds typical bond strength for rubber or direct bonded ceramics.
- Mild steel base plate can be easily stud welded.
- Extremely hard liners for extremely abrasive conditions.
- Personalized customization can meet the on-site use of different customers

应用

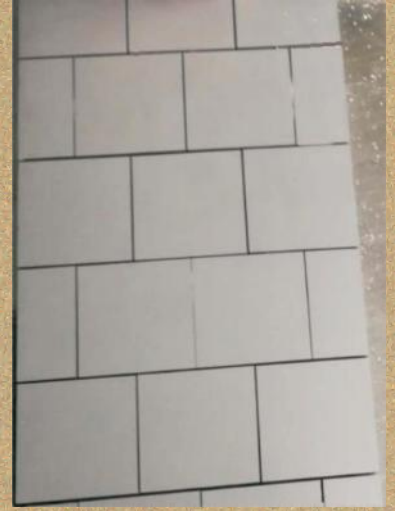
涉及严重滑动磨损和中等冲击的应用，例如：

- 溜槽
- 导流溜槽
- 矿石处理系统
- 衬板
- 料斗
- 输送机裙板
- 输送机挡板
- 高压辊磨机进料颊板
- 高压辊磨机法兰

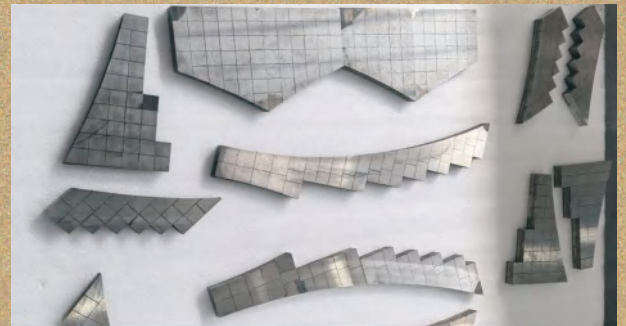
Applications:

Applications involving severe sliding abrasion and medium impact, such as

- Chutes
- Deflector chutes
- Ore Handling Systems
- Liner Plates
- Hoppers
- Conveyor skirts
- Conveyor drag plates
- HPGR feed cheek plates
- HPGR flange



- Liners for Transfer Chute



- Liners for HPGR Feed Chute



- Liners for Conveyor Shirt