



Hunan Hyster Material Technology Co., LTD.  
湖南海思特材料科技股份有限公司

耐磨材料生产商 & 提供专业的耐磨方案Supply  
Wear Parts & Wear Solutions  
[www.hystertech.com](http://www.hystertech.com) | [sales@hystertech.com](mailto:sales@hystertech.com)



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**HYSTER GROUP**

湖南海思特材料科技股份有限公司



**Bimetallic white iron  
products**

双金属复合耐磨产品

2 factories

2个工厂

**Overlay wear  
plates**

堆焊耐磨板

1 cooperative  
factory

1 个合作工厂

**Wear Castings**

耐磨合金铸件

1 foundry

1 个铸造厂

## About Hystertech 关于我们

**Organisational Structure 组织架构**  
**Changsha Headquater/Factory 长沙总部/工厂**  
**Xiangyin Factory 湘阴工厂**  
**100% shares 100% 持股**  
**for Bimetallic White Iron Products & Wear Castings**  
**生产双金属复合耐磨产品 & 各类金属耐磨铸件**

**Shareholders 股东**

**10 person 10位**

吴志勇先生: 总经理, 湖南省焊接和金属材料方面的专家, 从90年代开始就从事焊接和耐磨材料方面的研究, 拥有近20项发明专利.

Mr. Wu Zhiyong: General manager, expert in welding and metal materials in Hunan Province. He has been engaged in research on welding and wear-resistant materials since the 1990s and holds nearly 20 invention patents.

**Marketing  
& Sales**  
**市场销售  
部(6)**

**Material  
& Purchasing**  
**采购部(2)**

**Financial**  
**财务部(5)**

**Personnel**  
**人事部(2)**

**Q.C**  
**质量管理  
部(6)**

**Production**  
**生产部**

**R&D.  
LAB.**  
**研发部(4)**

We was **founded** in 1995. China's **largest** and the **earliest** Manufacturer engaged in the research and development, production, and sales of Bimetallic Cast Wear Materials. Over 30 years industry experience.

公司成立于**1995**年。是最早也是目前中国最大的从事双金属复合耐磨材料研发、生产和销售的厂家，拥有超**30**年以上行业经验。

We are **located** in Changsha city, capital of Hunan province, middle of China. SANY, ZOOMLION, SUNWARD are all hatched from here. Our wholly owned subsidiary is located in neighbor city Xiangyin city, Hunan province.

我们公司位于中国中部湖南省省会长沙市。三一、中联重科、山河智能都是从这个城市孵化出来的。我们的全资子公司位于邻近的湖南省湘阴市。



ZOOMLION

SUNWARD

HYSTER

We **cover** more than 8500 square meter production site area, **net assets** about 100 million RMB(15 million USD).

我们办公室和生产场地总占地面积**8500**多平方米，净资产约**1亿元(1500万美元)**。

We **manufacturer & exporter** of composite Bi-metallic wear blocks/wear plates, high chromium wear castings, Ni-hard wear Liners/Billets, Chromium carbide overlay wear plates, and other metallic wear castings.

我们主要生产并出口双金属复合耐磨材料（复合耐磨衬板、巧克力式**&**圆饼式耐磨块、耐磨方条，复合耐磨管等），金属耐磨材料，耐磨抗冲击材料，堆焊耐磨产品（堆焊耐磨衬板、堆焊耐磨管、产品局部堆焊等），其他耐磨铸件，特种材料设计**&**制造，耐磨堆焊系统解决方案，耐磨产品修复解决方案，耐磨产品设计解决方案等。

We mainly **serve for industries** such as Mining, Quarrying, Material conveying systems, Sugar Cane Milling, Iron Mill/Steel Plant, Cement, Sand, Gravel, Dredging, Crushing etc.

我们主要服务的行业：采矿 **&** 选矿（各类电铲/挖斗、传送装置、进料槽、料仓、溜槽、筛板等）、采石、材料输送系统、制糖厂、炼铁厂（高炉篦子、翻板等）、水泥、砂石、疏浚（挖泥船）、破碎等。

We have passed:

- **ISO9001:2015 quality management system certification.**
- **ISO14001:2015 environmental management system certification.**
- **ISO45001:2018 occupational health and safety management system certification.**

我们已经通过:

**ISO9001:2015质量管理体系认证。**

**ISO14001:2015环境管理体系认证。**

**ISO45001:2018职业健康安全管理体系认证。**

We have been recognized as a **High-Tech** and a **New Material** enterprise, with strong research and development capabilities, established good cooperative relationships with multiple research institutes for talent exchange, product development, and other aspects.

我司已连续多年被评定为湖南省高新技术企业、新材料企业、科技创新示范企业、亩均效益奖企业。

我们具有强大的研发能力，在人才交流、产品开发等方面与多家研究机构建立了长期的战略合作关系。

We also have a dedicated **R&D team** that can tailor various products with special requirements (such as wear resistance, corrosion resistance, impact resistance, heat resistance, etc.) and provide professional wear resistance solutions.

我们拥有一支专业的研发团队，具有很强的研发能力，可以量身为客户定制各种有特殊要求的产品（如耐磨、耐腐蚀、耐冲击、耐热等产品），并提供专业的耐磨解决方案。

Since our establishment, we carried out a lot of experiments on improving the wear resistance and composite bonding strength, various heat treatment technology on different products, and the selection of wear-resistant alloys under different working conditions.

As of now, the company has **7 Invention Patents** and **15 Utility Model Patents**.

公司自成立以来，我们在提高产品的耐磨性能、复合强度、不同产品的热处理工艺、不同工况条件下耐磨合金系的选择上进行了大量的实验，积累了非常丰富的经验，生产工艺及产品性能不断得到优化。

截至目前，公司拥有**7**项发明专利和**15**项实用新型专利



### ■ Main Manufacturing Devices

### ■ 拥有的主要生产设备

>**Machining** -- Equipped with almost all machining equipments, vertical saw, horizontal saw, Vertical milling, horizontal milling, CNC lathes, surface grinders, drilling machines, hydraulic presses, various shot blasting machines, wire cutting machines, Laser cutting machine, plasma cutting machines, CNC machining centers, carving machine, etc.

> 机加工 -- 配备了几乎所有的机加工设备，如立锯、卧锯、立铣、卧铣、数控车床、平面磨床、钻床、油压机、抛丸机、线切割机、激光切割机、等离子切割机、数控加工中心、刻字机等。

>**Casting** -- 2 melting furnaces(1500KG/each), coated sand recycling lines.

>铸造 -- 中频感应炉（**1500公斤**）、壳型机、覆膜砂再生线。

### ■ Main Manufacturing Devices

### ■ 拥有的主要生产设备

>**Welding** -- 9 vacuum brazing furnace(2 super-large furnaces which are 40% more energy-efficient), Automatic hardfacing machine, PTA(Plasma Transferred Arc), Bolt welder.

> 焊接 -- **9台真空焊接炉(2台超大炉，更高效，比大炉子节能40%以上)**，螺栓焊机，自动堆焊机，等离子喷焊机。

>**Heat treatment** -- 4 heat treatment furnaces.

>热处理 -- **4台热处理炉。**

>**Surface treatment** -- 5 shot blasting machines.

>表面处理 -- **5台抛丸机。**

>**Other** -- Complete set of environmental and healthy protection facilities.

>其他设备 -- **全套环保设备（除尘、除气味、除噪音）。**

## ■ Main Detecting Devices

### ■ 拥有的主要检测设备

> **Chemical composition** -- Handheld XRF analyzer, Direct Reading Spectrometer, Desktop spectrometer, Carbon and sulfur analyzer, Chemical Element Detect(before puring). We can detect all chemical elements.

> 成份检测设备 -- 便携式光谱分析仪、直读光谱仪、台式光谱仪、碳硫分析仪，炉前五元素分析仪。可以检测所有的化学元素。

> **Hardness** -- Rockwell and Leeb hardness tester, Portable hardness tester

> 硬度检测 -- 洛氏和里氏硬度计，便携式硬度计。

> **Inner quality** -- Ultrasonic flaw detector(UT), Metallurgical microscope

> 内部质量 -- 超声波探伤仪（**UT**）、金相显微镜。

> **Surface quality** -- Caliper, Plug gauge, Liquid Penetrant(LPI)

> 表面质量 -- 卡尺、塞规、色素探伤（**LPI**）。

## ■ Main Detecting Devices

### ■ 拥有的主要检测设备

> **Abrasion performance** -- G65 Dry Sand/Rubber Wheel Abrasion Tester, Erosion Abrasion Tester.

> 磨损性能 -- **G65干砂/橡胶轮磨粒磨损试验机、冲蚀磨损试验机。**

> **Impact performance** -- Pendulum Bob Impact Test, Falling ball impact testing machine.

> 冲击性能 -- 摆锤冲击试验机、落球冲击试验机。

> **Other** -- Casting Sand Strength Detector, Casting Sand Ash Content Detector, Self-made bending testing machine, Shear strength testing machine.

> 其他 -- 覆膜砂强度检测仪，覆膜砂含灰量检测仪，自制折弯试验机，剪切强度试验机。

《Conventional General Laboratory》 & 《Surface Modification Laboratory》

《Heat Treatment Laboratory》；

《常规实验室》 & 《表面改性试验室》 & 《热处理试验室》

# Office, Factory, Laboratory(办公室、车间、实验室)

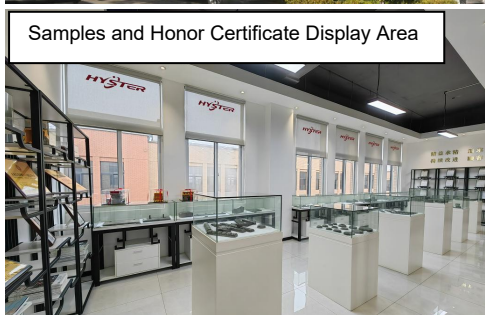
Headquarter Offices



Plant area



Samples and Honor Certificate Display Area



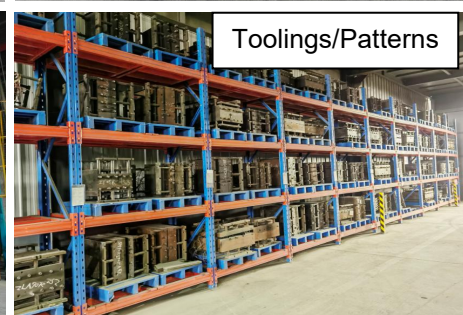
Vacuum Furnaces



Coated sand recycling line



Toolings/Patterns



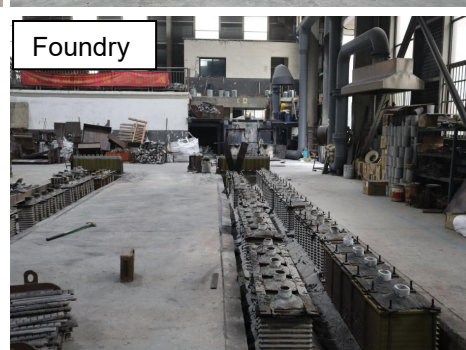
Packing area



QC checking



Foundry



Laboratory



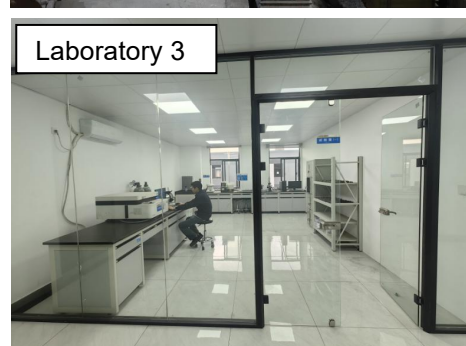
Laboratory 1



Laboratory 2



Laboratory 3



Laboratory 4



- **A team of engineers and experts--** working closely with national key Universities and Mining & Metallurgy Research Institutes
- 一支专业的工程师和专家团队 - 与国家重点大学和矿冶研究院密切合作

\*Hunan University 湖南大学  
\*Zhongnan University 中南大学  
\*Nanchang Aviation University 南昌航空大学

\*Changsha Mining & Metallurgical Research Institutes  
长沙矿业研究院

### ■ Output 产能:

>> Bimetallic wear blocks: 400tons/month, more than 1500 different sizes and shapes, current production load 70%.

双金属复合耐磨材料: **400吨/月**, 已开发**1500**多种不同尺寸和形状的复合产品, 目前生产负荷**70%**左右。

>> Wear castings: 1000tons/month, current production load 65%.

耐磨铸件: **1000吨/月**, 目前生产负荷**65%**。

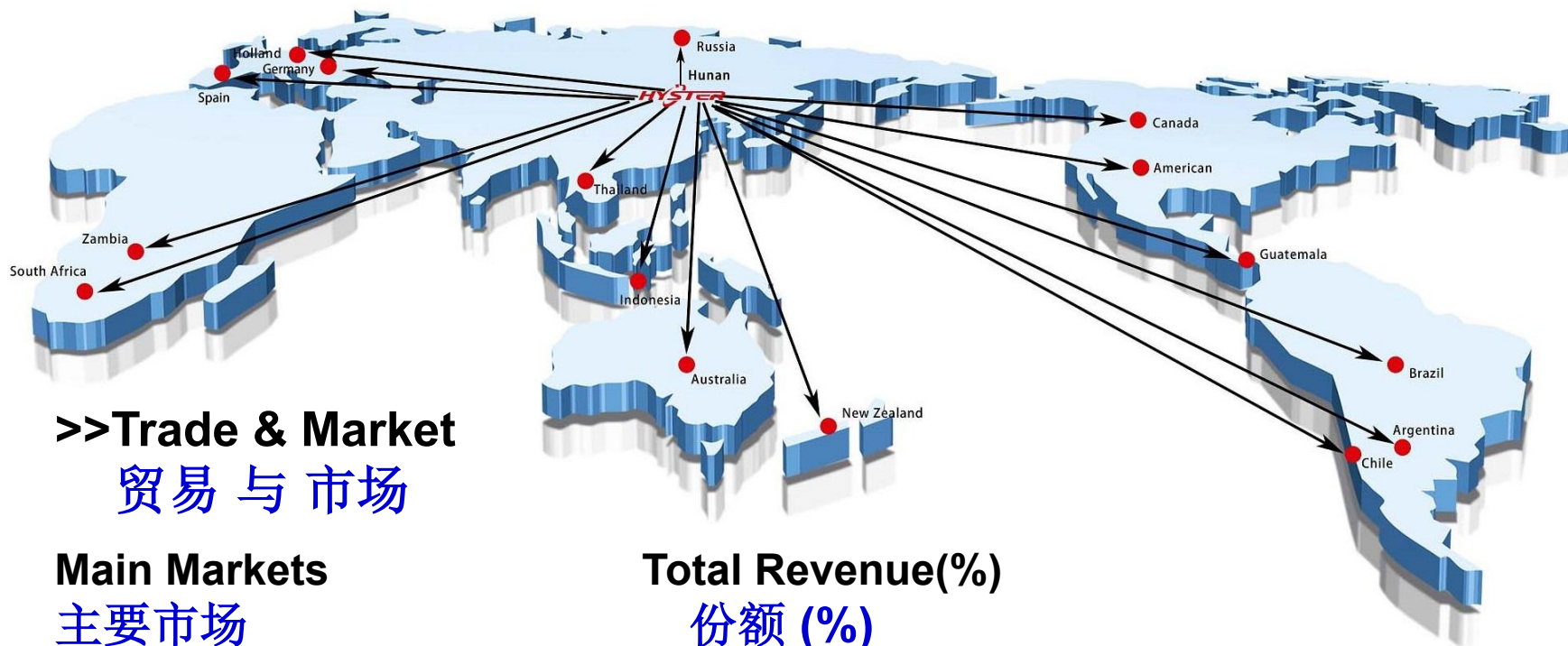
- **Main markets:** Over **60% products** have been sold to nearly **500 customers** in more than **56 countries** and regions such as Australia, Canada, Brazil, America, Chile, Argentina, South Africa, Indonesia, Thailand, Mexico, Russia, Holland, as well as many other countries and areas. Strategic cooperation has also been established with several well-known domestic central enterprises, such as Baosteel Group, ANSTEEL, JISCO, MCC.
- **主要市场：**60%以上的产品已销往澳大利亚、加拿大、巴西、美国、智利、阿根廷、南非、印度尼西亚、泰国、墨西哥、俄罗斯、荷兰等56多个国家和地区的近500家客户。与鞍钢集团、酒泉钢铁集团、中冶等国内知名央企建立了战略合作关系。



中国冶金科工集团有限公司  
CHINA METALLURGICAL GROUP CORPORATION



## Hystertech Markets (市场分布图)



### Main Markets

#### 主要市场

South America 南美洲

North America 北美洲

Oceania 大洋洲

Europe 欧洲

Africa 非洲

Southeast Asia 东南亚

China 中国

### Total Revenue(%)

#### 份额 (%)

15.0%

10.0%

15.0%

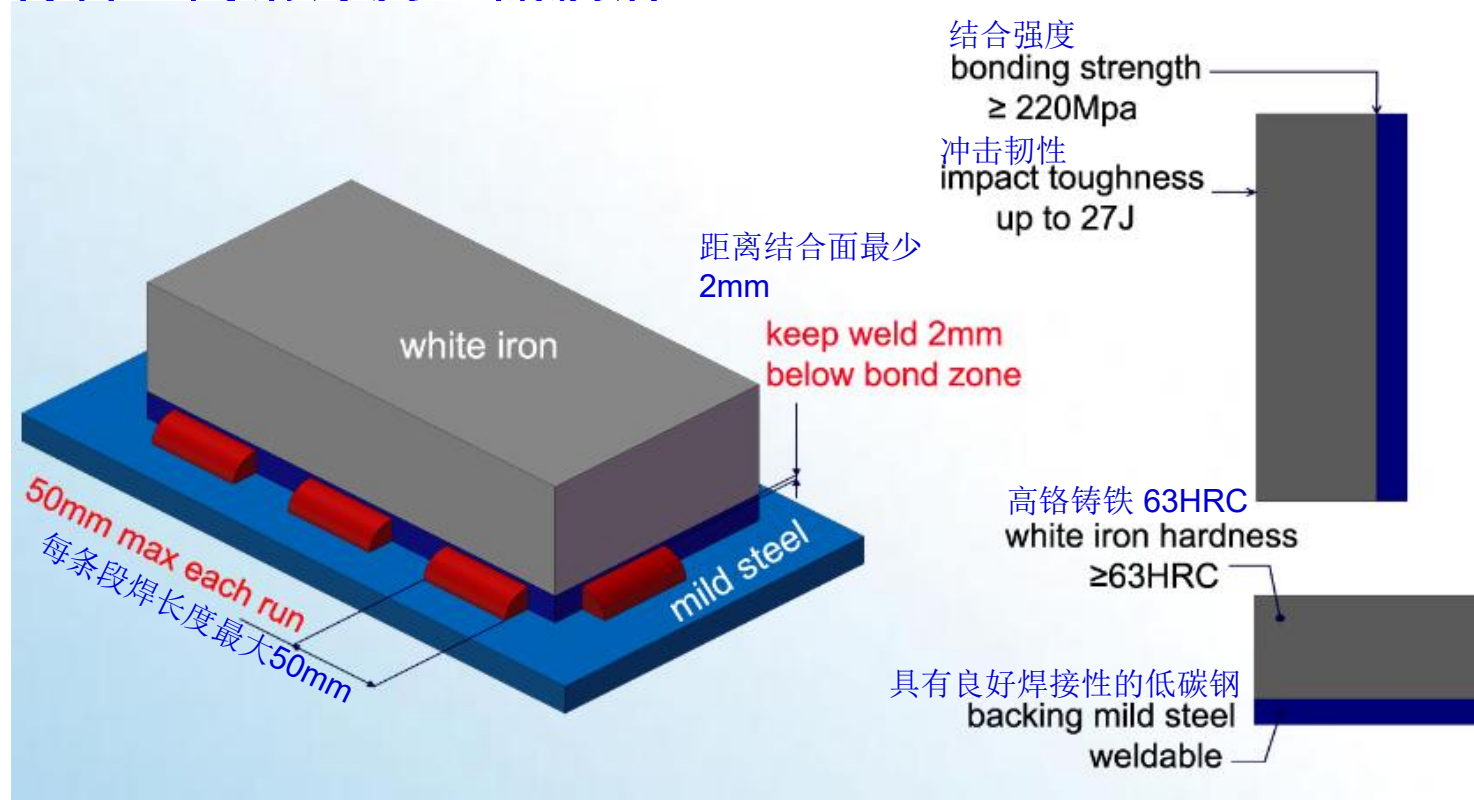
8.0%

9.0%

8.0%

35.0%

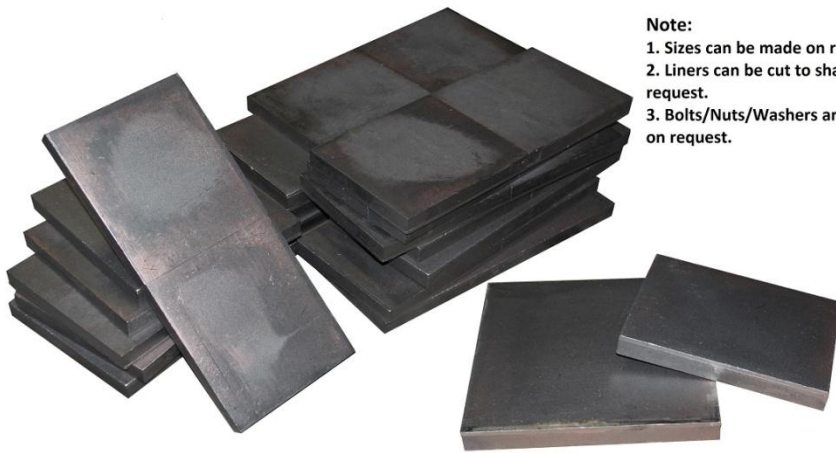
- I. **Bimetallic wear blocks, average hardness 63HRC min.**  
**双金属复合耐磨材料：平均硬度63HRC**
- **Material:** ASTM A532 White iron, vacuum brazed with mild steel.  
**材料：高铬铸铁 + 低碳钢**



## I. Bimetallic wear blocks, average hardness 63HRC min.

双金属复合耐磨材料：平均硬度**63HRC**

- **Typical Type:** Chocky bars, Wear buttons/Donuts, DLP wear bars, Wear Plates/Liners, Rockbox liners, Micro-ledges, Wafer strips, Skid blocks, Shredder Hammer tips, Knife edges, Shaped wear bars etc.. **热销的形状**



Note:  
1. Sizes can be made on request.  
2. Liners can be cut to shape on request.  
3. Bolts/Nuts/Washers are available on request.

> Material available:  
1. white iron ASTM A532, class II type B. Hardness 62-65HRC.  
2. Ni-hard 4. Hardness 58-62HRC.

> Thickness available: from 10mm to 100mm

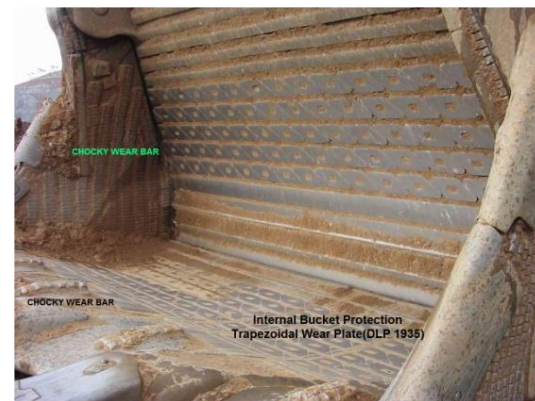
> Bolts, Holes, Thread extra!



# Hystertech Products & Services 产品 & 服务

- Typical Applications 经典应用场合

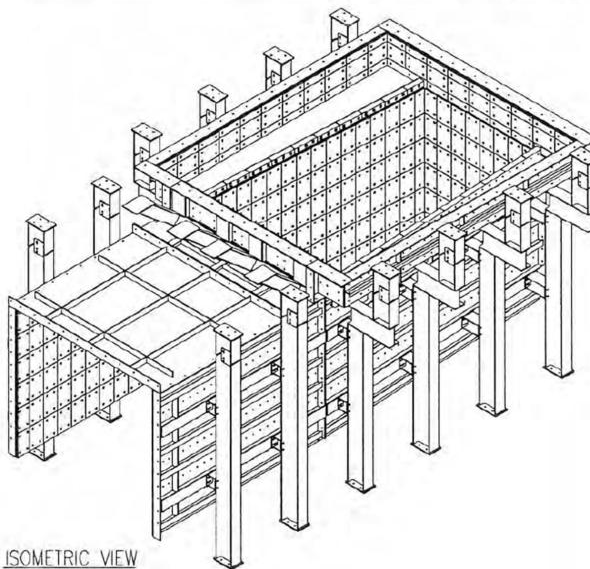
Bucket wear protection  
电铲/挖斗



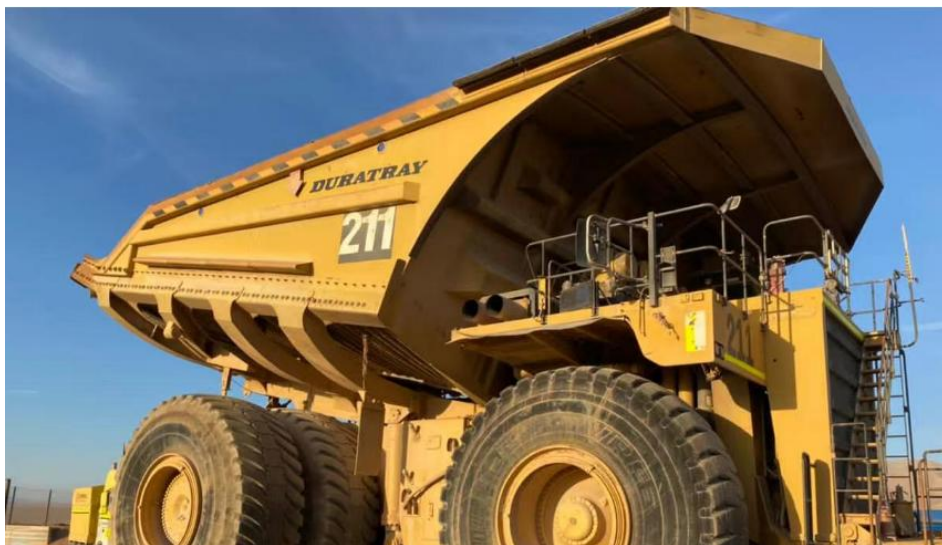
Crusher Protection  
破碎机



Chute/Hopper Protection  
进料槽、料仓、溜槽



- **Typical Application:** Bucket wear protection
- 经典应用场合：各类电铲、挖斗的耐磨保护



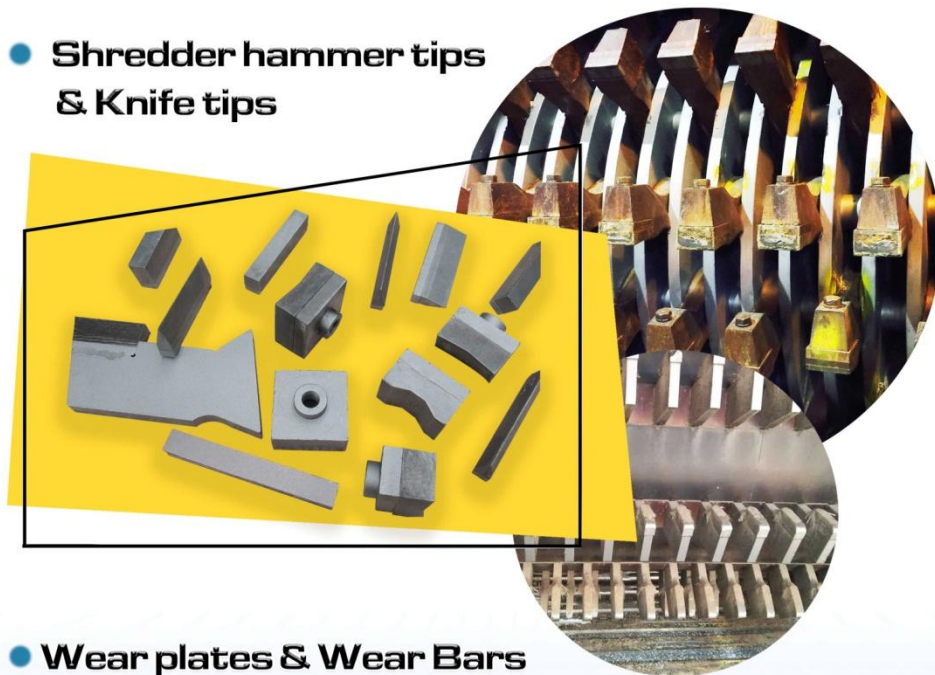


耐磨材料生产商 & 提供专业的耐磨方案

For Wear Parts & Wear Solutions

## SUGAR MILL 糖厂耐磨配件

- Shredder hammer tips & Knife tips



- Wear plates & Wear Bars



## Typical Application: Sugar Mill

- 经典应用场合：制糖厂(甘蔗破碎)



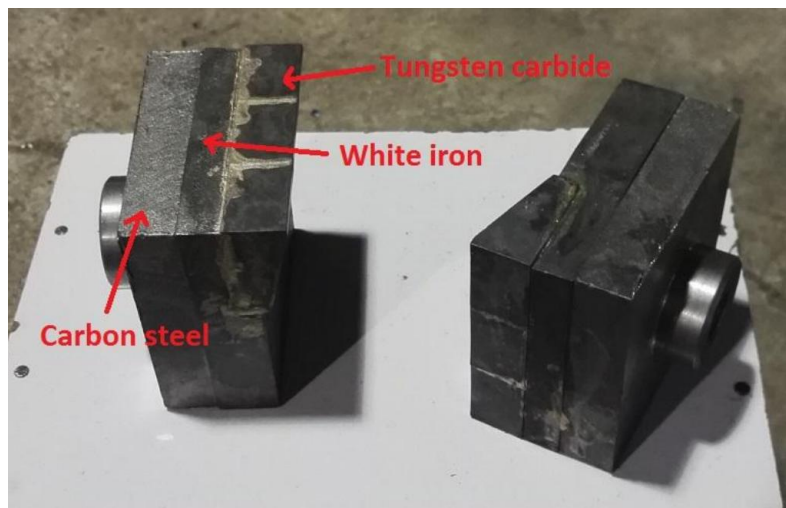
湖南海斯特材料科技有限公司

HUNAN HYSTER MATERIAL TECHNOLOGY CO., LTD.

www.hystertech.com sales@hystertech.com



- Wear Parts for Sugar Mills 糖厂用甘蔗破碎锤头、蔗刀头



# Chute/Hopper Protection

进料槽、料仓、溜槽的内衬保护



**HYSTER**



- Other Typical Wear Parts 其他耐磨材料



- Other Typical Wear Parts (OVER SIZED)
- 超大尺寸复合耐磨材料





**2 Meter Long!**  
**长度2米!**











## I. Bimetallic wear blocks, average hardness 63HRC min. 双金属复合耐磨材料：平均硬度**63HRC**

Typical Data Numbers We Received From Our End-Users:

我们从最终用户那里收集到的对比数据：

- >Usage life is 50% greater than that of Ni Hard Irons.  
耐磨寿命比镍硬合金高**50%**。
- >At least 7 times longer than A.R. type steels 360/400 BHN  
硬度**360/400BHN** 的合金钢耐磨寿命的**7**倍。
- >5 times the wear rate of 500 BHN A.R. Plate  
硬度**500BHN** 的合金钢耐磨寿命的**5**倍。
- >7 times the wear rate of Manganese Steel  
高锰钢耐磨寿命的**5**倍。
- >3 times the wear rate of Weld Hardfacing  
传统堆焊耐磨材料的耐磨寿命的**3**倍。
- >16 times the wear rate of Carbon Steel  
低碳钢材料的**16**倍。

**高冲击、高磨损工况下耐磨材料的最佳选择！！**

**ALWAYS THE BEST CHOICE FOR THE  
TOUGH APPLICATION**



# Comparison with other wear materials 各类耐磨材料的对比

| MATERIAL<br>材料名称                                                      | DEFECT 缺点                                                | ADVANTAGES 优点                                                                                                                                                                                                                                                                                                                                                                                                                                                    | APPLICATION 适用场合                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------------------|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bimetallic<br>white iron with<br>mild steel<br>HB700<br>HST复合耐磨<br>材料 | The difficulty of brazing<br>process<br>双金属真空复合工艺难<br>度大 | <p>1.Good properties of wear resistance, toughness, plasticity, heat resistance, hot hardness.<br/>1. 具有优良的耐磨性、韧性、塑性、热强性、红硬性。</p> <p>2.Easy for welding and assembly.<br/>2. 优良的焊接性，便于装配</p> <p>3.Different shapes and sizes available<br/>3. 可以生产不同形状和尺寸。</p> <p>4.Smooth and flat surface<br/>4.表面光滑平整。</p> <p>5.High cost-effective.<br/>5. 具有十分明显的性价比优势</p> <p>6.Three times more higher usage life compared with overlay plates.<br/>6. 是传统堆焊材料的3倍以上寿命。</p> | <p>1. Widely used in the abrasion wear condition (gouging abrasion, high stress crush abrasion, low stress sliding abrasion)</p> <p>2. Typically for Bucket protection, liner plate of conveyer, chute, hopper and crusher, hammer, jaw plate, liner plate etc.</p> <p>适用于各种场合的磨料磨损。</p> |

## Comparison with other wear materials 各类耐磨材料的对比

| MATERIAL<br>材料名称                           | DEFECT 缺点                                                                                                                                                                                                                                                                                                                                | ADVANTAGES 优点                                                                                                                                                                | APPLICATION 适用场合                                                                                                                                                                                                                                                                            |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OVERLAY<br>PLATE<br>HB650<br>堆焊板<br>650BHN | <p>1. Rough surface finish, uneven surface.<br/>1. 表面粗糙，不平整。</p> <p>2. Multiple surface relief cracks resulting in poor rolling and fabrication.<br/>2. 耐磨层有横向龟裂，从而不利于卷板和加工。</p> <p>3. High dilution and uneven fusion line results in accelerated wear rates as hardface overlay thickness starts to reduce.<br/>3. 有稀释过渡层，硬度自上而下降低</p> | <p>1. Totally metallurgical bonding<br/>1. 完全的冶金结合。</p> <p>2. Good properties of wear resistance, toughness<br/>2. 耐磨性、韧性、塑性较好。</p> <p>3. Easy to assembly.<br/>3. 安装方便。</p> | <p>1. Widely used in the abrasion wear condition (gouging abrasion, high stress crush abrasion, low stress sliding abrasion)</p> <p>2. Typically for Bucket protection, liner plate of conveyer, chute, hopper and crusher, hammer, jaw plate, liner plate etc.</p> <p>适用于一般非严峻的磨料磨损场合。</p> |

# Comparison with other wear materials 各类耐磨材料的对比

| MATERIAL<br>材料名称                                      | DEFECT 缺点                                                                                                 | ADVANTAGES 优点                                                                                                                                                                                                               | APPLICATION 适用场合                                                                                |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| High manganese steel<br>HB250~500<br>高锰钢<br>HB250~500 | Bad wear resistance when working in low stress and small impact force application.<br>在低应力或小冲击磨料磨损下，耐磨性很差 | 1.Good property of toughness & plasticity.<br>1. 有很好的韧性、塑性。<br><br>2.Excellent wear resistance when working in high stress and high impact force application.<br>2. 在高应力或大冲击下，有较好的耐磨性。<br><br>3.Not expensive.<br>3. 价格较便宜。 | Very suitable to the working condition with high stress and high impact force.<br>高应力和大冲击下的磨料磨损 |
| HARDOX<br>HB400~600<br>焊达钢<br>HB400~600               | Low hardness, ordinary wear resistance.<br>硬度太低，磨损性一般                                                     | Good property of toughness, plasticity, welding. Cheap!<br>有较好的韧性、塑性、焊接性，价格便宜                                                                                                                                               | Construction Buckets protection.<br>一般非严峻的磨损场合                                                  |

## Comparison with other wear materials 各类耐磨材料的对比

| MATERIAL<br>材料名称                         | DEFECT 缺点                                                                                                                                       | ADVANTAGES 优点                                                                           | APPLICATION 适用场合                                                           |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| Ceramic composite<br>陶瓷复合材料              | Low fracture toughness, bad impact toughness, not suitable for direct impact, easy to break and falling off.<br>断裂韧性低，耐冲击性能差，不宜物料直接冲击，容易碎裂，成片脱落 | Good wear resistance for low stress abrasion.<br>低应力磨料磨损下有较好的耐磨性                        | Wear liner for low stress and small impact force condition.<br>低应力冲击下的衬板材料 |
| High chromium cast iron<br>HB700<br>高铬铸铁 | 1. Bad properties of toughness and plasticity.<br>1. 韧性、塑性较差。<br><br>2. No weldability.<br>2. 无可焊性                                              | High hardness, good wear resistance.<br>硬度高，有很好的耐磨性                                     | For low stress and small impact force condition.<br>适用于低应力低冲击下的磨料磨损（衬板）    |
| Ni-hard cast iron<br>HB650<br>镍硬铸铁       |                                                                                                                                                 | Toughness & plasticity are better than that of high chromium cast iron.<br>韧性、塑性略好于高铬铸铁 |                                                                            |

## II. Bimetallic Overlay Wear Plates 双金属堆焊耐磨板

- **Hardness ranges** 硬度范围: 55-63 HRC
- **Chemical composition** 常规成份: C 3.0-4.8; Cr 18-32;
- **Sheet size** 常规板幅尺寸: 1500x3000 / 1200x2400 / 1480x3040mm
- **Thickness** 常规厚度: 4+4, 6+4, 6+6, 8+6, 10+9, 10+10, 12+12 etc.  
Customized Thickness & Size Available 可定制厚度和尺寸

### Typical Applications 经典应用场合:



## III. Wear Castings 铸造耐磨合金

### 1) Material 常用可选材料

NiHard 1 & NiHard 2 & NiHard 4  
27 Chrome Alloy & 25 Chrome Alloy  
15/3 White Iron  
20/1 White Iron  
LOW ALLOY

### 2) Hardness 硬度: 400BHN --- 700BHN



## VI. Partial Hardfacing 局部堆焊，修复系列产品

### 1) Bucket teeth partial hardfacing

电铲铲齿局部堆焊

### 2) Bucket blade partial hardfacing

电铲护甲、刀板的局部堆焊

### 3) Hammer tip partial hardfacing

各种破碎锤的局部堆焊和修复

### 4) Wear liner partial hardfacing

衬板和其他产品的局部堆焊和修复



## G65 dry sand rubber wheel abrasion comparison test

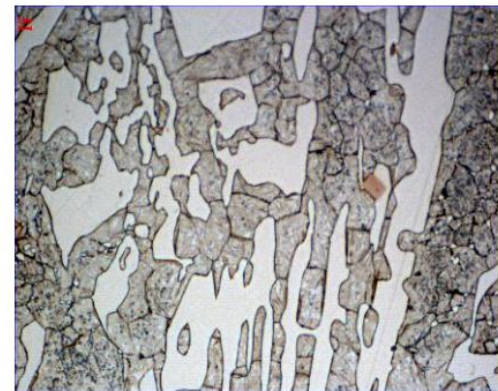
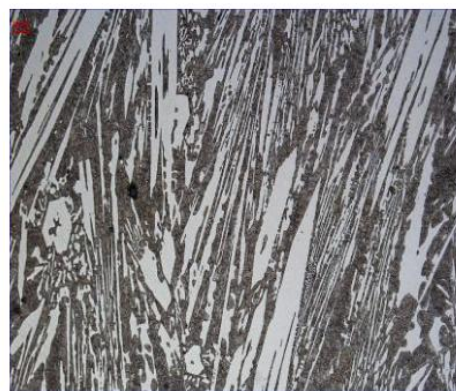
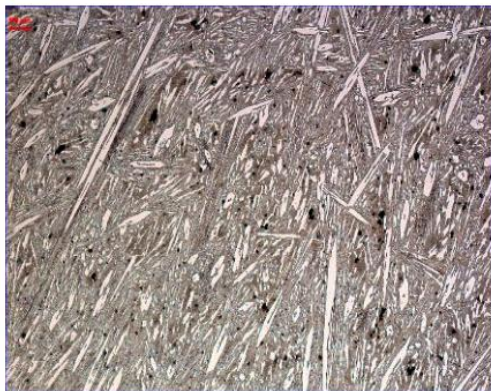
## G65干砂橡胶轮磨粒磨损实验检测报告

| Series No.<br>序号 | Application<br>应用 | Specification<br>材料    | Wear rate/loss of weight as per<br><b>ASTM G65</b><br>磨损失重 |
|------------------|-------------------|------------------------|------------------------------------------------------------|
| 1                | Abrasion 磨损       | HYSTER WHITE IRON      | 0.1147g                                                    |
| 2                | Abrasion 磨损       | HYSTER NI-HARD 4       | 0.1266g                                                    |
| 3                | Abrasion 磨损       | HYSTER-HH 700B OVERLAY | 0.1656 g                                                   |

## Micro-structure of Hyster Cast White Iron 高铬铸铁金相报告

碳化物 + 马氏体 + 残余奥氏体  
Carbide + Martensite + Retained Austenite

碳化物百分比: 41.4%  
The Carbide Content is about 41.4%



## Industries we work with 服务的行业



Mining & Quarrying(45%)  
采矿、选矿、破碎业(45%)



Construction(5%) 建筑业(5%)



Sugar Mill(8%) 制糖业 (8%)

## Industries we work with 服务的行业



Cement(10%) 水泥、制砂业(10%)



Steel Plant(20%) 炼铁厂(20%)



Oil & Gas(4%) 油气行业(4%)



Dredging(8%) 疏浚行业(8%)

## Why Choose Hystertech? 我们的优势

- 1. Our company's predecessor was the Metal Materials Factory of Changsha Mining and Metallurgy Research Institute. Since the 1990s, we have been engaged in the research and development, production, and sales of bimetallic wear-resistant materials, we accumulated rich experience in research and production; We can customize various wear-resistant materials and provide wear-resistant solutions.
- 公司前身是长沙矿冶研究院金属材料厂。自上世纪90年代以来，我们一直从事双金属耐磨材料的研发、生产和销售，积累了丰富的研发生产经验；我们可以定制各种耐磨材料，并提供耐磨解决方案。
- 2. Strong R&D capabilities: we have a professional and complementary R&D team, specializing in materials, welding, casting, heat treatment, mechanical design, mold design, etc.
- 强大的研发能力：我们拥有一支专业互补的研发团队，专业从事材料、焊接、铸造、热处理、机械设计、模具设计等。

## Why Choose Hystertech? 我们的优势

- 3. We are fully equipped with all necessary testing devices, covers chemical analysis, hardness, metallography, wear testing, impact testing, heat treatment testing, strength and ash content testing of coated sand, ultrasonic and pigment testing, etc.  
■ 我们配备了所有必要的检测设备，包括化学成份分析、硬度、金相、磨损测试、冲击测试、热处理测试、覆膜砂的强度和含灰量检测、超声波和色素探伤检测等。
- 4. We have more than 400 sets of various specialized molds/patterns. Most of new products only require simple modules to be produced, which can greatly shorten the production time and save a lot of mold costs for our clients;  
■ 我们有400多套各种专业模具。大多数新产品只需要生产简易的模块，可以大大缩短生产时间，并为我们的客户节省大量的模具成本。

## Why Choose Hystertech? 我们的优势

- 5. We are equipped with fully production devices and cover full industrial chain, with various machining equipments such as coated sand regeneration line, casting, laser cutting, plasma cutting, vacuum brazing, automatic welding line, heat treatment, surface treatment, grinding, as well as CNC lathes, grinders, saws, milling machines, drilling machines, etc.
- 我们拥有全套生产设备，覆盖全生产链，拥有覆膜砂再生线、铸造、激光切割、等离子切割、真空钎焊、自动焊接线、热处理、表面处理、磨削等各种加工设备，以及数控车床、磨床、锯、铣床、钻床等。
- 6. We have a very skilled workforce, most of whom have over ten years of work experience in various positions; They have strong quality awareness, and able to control and check the key points of quality.
- 我们拥有一支技术娴熟且稳定的员工队伍，其中大多数人在各种职位上都有超过十年的工作经验；他们有很强的质量意识，能够控制和检查质量的关键点。

# How We Work With Our Partner? 我们的合作模式

1

- **OEM / Distributor / Agent / Dealer**
- **OEM / 批发商 / 代理商 / 经销商**

2

- **Continuously R&D Support**
- **持续研发支持**

3

- **Fast Service & Delivery**
- **及时且快速的服务和交货周期**

4

- **Competitive Price & Top-grade Quality**
- **具竞争力的价格和最优的质量等级产品**

**Confidentiality**  
保密

**Professional**  
专业

**Innovation**  
创新

**Efficient**  
高效

# THANKS FOR YOUR ATTENTION!

## 感谢您的关注！



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