Nanjing Qiming Machinery Co.;Ltd

Redefining Wear Parts

Qiming Casting designs and distributes world-leading, high-quality wear parts for the aggregates, mining, cement,metal recycling,quarrying, and coal industries.

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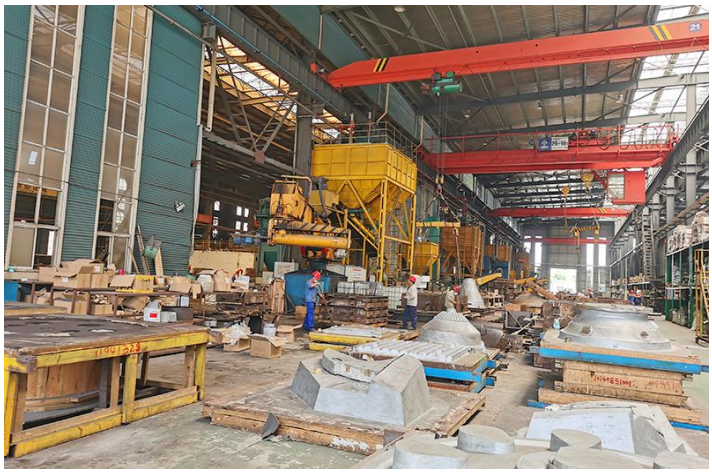
Website:https://www.qimingcasting.com/

About Qiming

World-leading & high-quality wear parts.

For over 20 years, Qiming Casting's mission has remained the same: To respond to industrial wear part challenges and deliver innovative wear parts with outstanding wear life.

Extreme temperatures, high-impact work, and tough materials wreak havoc on wear parts. The frequent replacement and maintenance of these parts waste huge amounts of time and money. Qiming Casting helps cut down on costs and makes maintenance staff's job easy by providing wear parts that can withstand even the most abrasive conditions and materials.



01

Crusher Wear Parts

For Mining Quarrying and cement

Maximize Your Crushing Efficiency

Our crusher wear parts are designed to deliver superior performance and longevity, ensuring your crushing equipment operates at its maximum potential. With a wide selection of premium-quality wear parts for various types of crushers, you can count on us to provide the right parts for your needs. Our expert team of engineers and technicians uses advanced manufacturing processes and cutting-edge technology to produce wear parts that are durable, reliable, and cost-effective

Crusher Jaw Plates

Qiming Casting manufactures ISO9001 certified, fully guaranteed and warranted parts to suit an extensive range of jaw crusher crusher brands.

Crusher jaw plates are the component of a jaw crusher that is used to crush and grind rocks and other heavy materials. They are located at the two sides of the crushing chamber, and work in a reciprocating motion to crush and grind the material being processed.

The jaw plates are made of high-quality, wear-resistant steel or other durable materials, and are designed with teeth or ridges to grip and crush the material. They are mounted onto the main shaft or pitman of the jaw crusher and are used in a reciprocal motion to crush and grind the material.

Our customers have proven that the right jaw plate design can make a dramatic difference, depending on the application. We have many case histories in which wear life increases of 50% are common, and some in which wear life increased up to 300%.

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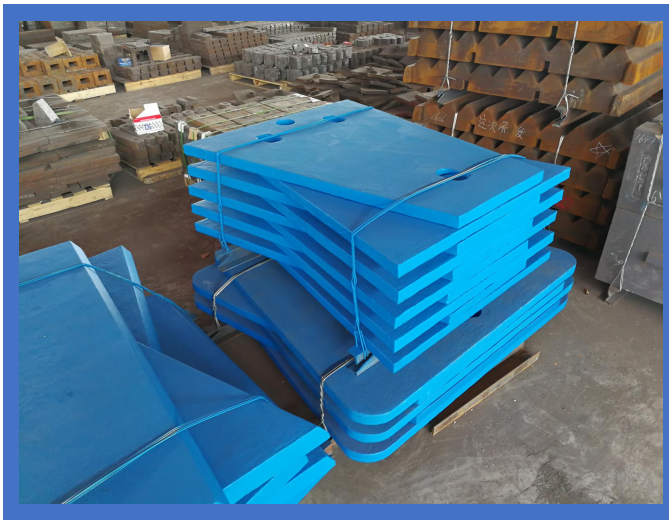
Available in our M14, M18, and M21 material grades we have a cost-effective solution to your specific requirements.

Spare Parts

Qiming Casting had cooperation with some foundry to supply a wide selection of high quality jaw crusher spare parts including toggle beams, groove blocks, wedge blocks, toggle seats, toggle grooves, toggle pins, and pitmans together with all the ancillary components.



Cheek Plates

Not only Qiming Casting supplies high quality manganese cheek plates, but also Qiming Casting's tungsten carbide impregnated Cheek Plates provide the solution to wear problems encountered with jaw-type crushers. In many crushing applications, factory-style manganese cheek plates do not get sufficient impact to "work harden". Qiming Casting cheek plates are impregnated to a minimum depth of .25" with tungsten carbide particles, providing a wear surface of 90 Rockwell A at the time of installation.

Cone and Gyratory Crusher Liners

Qiming Casting manufactures ISO9001 certified, fully guaranteed and warranted parts to suit an extensive range of cone crusher crusher brands

Cone crusher liners mainly wear parts in the cone crusher, which are included cone crusher mantle and cone crusher concave. Cone crusher mantle, which covers the cone head of the crusher to protect it from wear. It is the inner sacrificial wear liner that sits on the cone head. Cone crusher concave, which sits in the upper frame of the crusher to protect it from wear. It is the outer sacrificial wear liner that sits inside the upper frame.

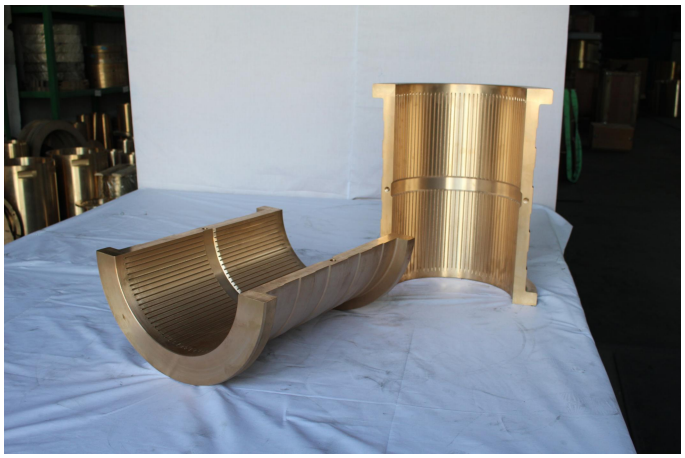
The metallurgy for Qiming Casting® premium mining range manganese liners has been developed in partnership with our foundry partner who is renowned to be the world's leading manufacturer of crusher liners.

Qiming Casting® premium manganese steel that has been developed from the original Hadfield's manganese steel specification, our variation can provide unequaled toughness with excellent resistance to abrasion, which improves as the steelwork hardens in operation.

Available in our M14, M18, and M21 material grades we have a cost-effective solution to your specific requirements.

Spare Parts

Qiming Casting had cooperation with some foundry to supply a wide selection of high quality cone crusher replacement spare parts in the China including bronze bushes, sockets, head nuts, gears, pinions, filler pieces, torch rings.



Gyratory Crusher Liners

Qiming Casting is a professional manufacturer of high manganese steel, alloy steel, and high chrome steel in China. We supply various types and brands of high-quality high manganese steel gyratory crusher liners to mines, quarries, and cement plants all over the world.

At the same time, in order to help customers solve the problem that ordinary high manganese steel is not wear-resistant, Qiming's engineers have developed TIC inserts mantle, which has more than double the service life of ordinary high manganese steel liners, more effective in crushing some hard stones.

Crusher Blow Bars

Qiming Casting manufactures ISO9001 certified, fully guaranteed and warranted parts to suit an extensive range of impact crusher crusher brands

The crusher blow bars are one of the important parts of the impact crusher, which is mounted on the rotor and generally works in groups of 3 or 4 pieces. When the machine is in operation, the rotor rotates at high speed under the driving of the electric motor, and the material enters the impact zone of the crusher blow bar and is crushed with the crusher blow bar on the rotor. The material is routed to the required size and discharged from the discharge port. The crusher blow bars should be adjusted or replaced in time to avoid damage to the fasteners and other components when worn to a certain extent.
Because of the material's direct contact and crushing, the crusher blow bars are made of high-strength wear-resistant material. The primary materials currently popular on the market are:

- Chrome steel
- Manganese steel
- Martensitic steel
- Martensitic + Ceramic
- Chrome + Ceramic

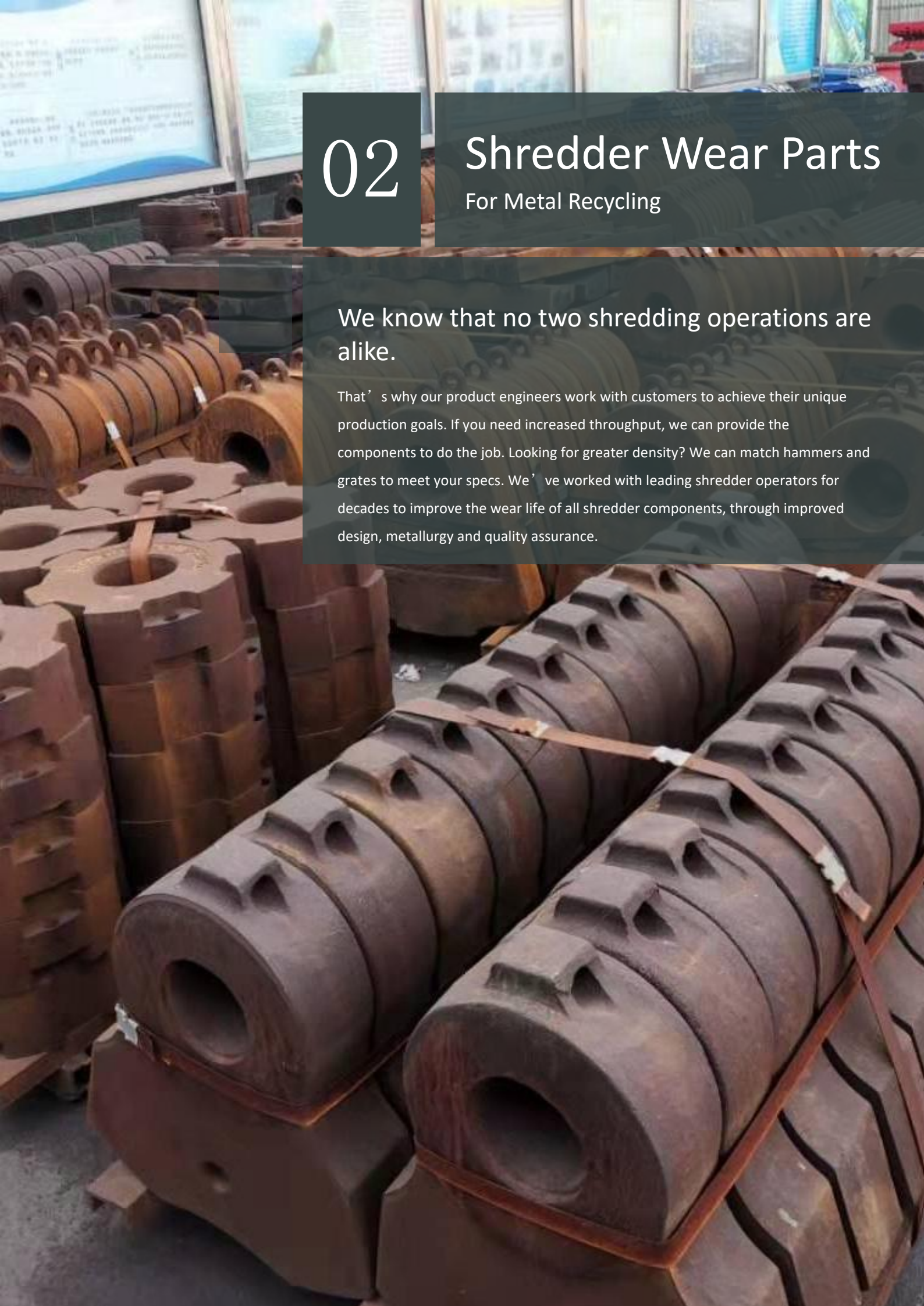
Qiming Casting is a Chinese factory specializing in the production of crusher blow bars in various materials. Our engineers will use the most suitable material to produce the crusher blow bar according to the actual working conditions provided by the customer.

Special Patterns

Unlike other manufacturers, Qiming Casting uses special patterns to produce blow bars of various materials. Under this pattern, our blow bars have a better surface quality and wear abrasive.

Special Cooling System

Qiming Casting has designed a unique blow bars cooling system. This system can be air-cooled or mist-cooled. The blow bar is placed on an optional platform, surrounded by eight upper and lower blowers and spray machines, so that all areas of the blow bar can be cooled and the hardness of all areas of the blow bar is the same.



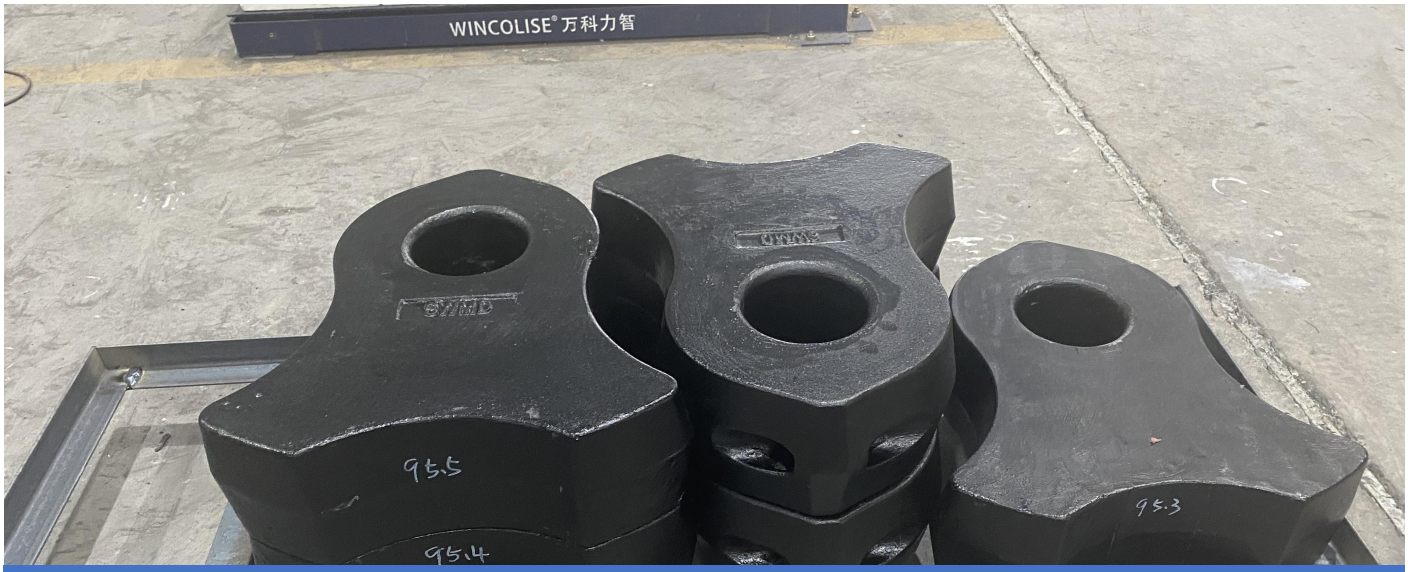
02

Shredder Wear Parts

For Metal Recycling

We know that no two shredding operations are alike.

That’s why our product engineers work with customers to achieve their unique production goals. If you need increased throughput, we can provide the components to do the job. Looking for greater density? We can match hammers and grates to meet your specs. We’ve worked with leading shredder operators for decades to improve the wear life of all shredder components, through improved design, metallurgy and quality assurance.



Shredder Hammers

Qiming Casting manufactures ISO9001 certified, fully guaranteed and warranted shredder hammers to suit an extensive range of scrap metal shredding brands

Shredder hammers play a very important role in a metal scrap shredder. Hammers impart the enormous kinetic energy of a shredder's spinning rotor onto the metal being shredded. The shredder hammers basically have four styles that is belt-shaped hammer, standard hammer, light iron hammer and weight efficient hammer. Qiming Casting provides all of them, and the most-frequently replaced wear part is the bell-shaped hammer.

Based on different working conditions, Qiming Casting supplies different materials hammers for them. The popular material include:

- Alloy Steel
- Manganese steel
- 30CrNiMo

All Qiming Casting shredder hammers are backed by the ISO9001:2015 quality control system and are shipped only after meeting our rigorous quality standards. We are committed to meeting your replacement parts needs in a professional and efficient manner. Our Customer Support Department is ready to help you with a quote, check inventory, or answer a technical question. Talk to your Qiming Casting professional today about your specific needs!

Special Patterns

Unlike other manufacturers, Qiming Casting uses special patterns to produce hammers of various materials. Under this pattern, our hammers have a better surface quality and wear abrasive.

DHT Shredder Hammers

A proprietary chemistry and heat treatment optimize material properties in Qiming Casting's differentially heat treated (DHT) hammers. The working end approaches 600 BHN for excellent abrasion resistance while the softer pin-eye area lowers pin wear and increases reliability. Qiming Casting DHT hammers are an ideal option for applications where manganese hammers don't adequately work harden.

For details reports and other details, please check the DHT shredder hammers page.

Other Shredder Wear Parts

Qiming Casting manufactures other wear parts for metal recycling shredders, such as anvils, grates, caps and others.

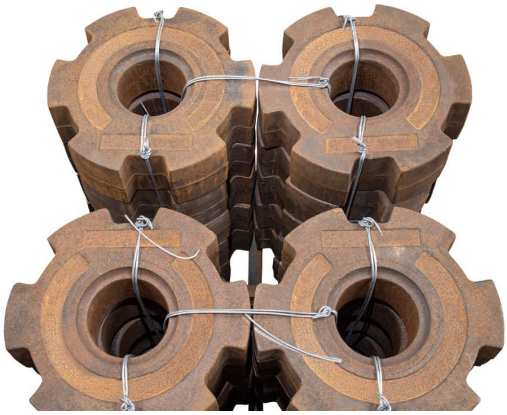
Pin Protectors
Pin protectors protect the long pins that secure the hammers in place. Not only they shield hammer pins, they reduce wear and tear on rotor disks. Pin Protectors also add vital mass to the rotor to preserve kinetic energy input by the motor.

Bottom Grates
The bottom grate ensures that shredded metal does not leave the shredding zone until shredded metal pieces are reduced to the desired size. The bottom grate sustains substantial abrasion and impacts from the rapidly moving metal inside the metal shredder. Bottom grates are often replaced at the same time as anvils and breaker bars.

Liners
Liners which include side liners and main liners internally protect the shredder from damage by the metal being shredded. Liners sustain substantial abrasion and impacts from the rapidly moving metal inside the metal shredder.

Caps (rotor and end discs)
Rotor and end disc caps protect the rotor from damage by the metal being shredded. Depending on shredder size, caps can weight hundreds of pounds. Caps are replaced after about 10-15 hammer replacements, or about every 2-3 weeks of operations.

Breaker Bars / Anvils
Breaker bars provide internal reinforcement against the impact force of hammers on metal being shredded. Anvils provide an internal surface where feedstock material is introduced into the shredder and initially impacted by the hammers.



Reject Doors
Reject doors allow removal of unshreddable material and sustain substantial abrasion and impacts from metal being shredded.

Front Walls
Front walls sustain substantial abrasion and impacts from metal being shredded.

03 Mill Liners

For SAG mill & AG mill

Dependable mill liners to boost your operation’s productivity.

Mill Liner systems fill a basic role: to protect your mills from the intense wear and tear that comes from grinding down hard, raw materials. But even if they all do the same job, not all mill liners are created equal. From the abrasion resistance of rubber to the impact resistance of steel, different material parts offer different advantages.

Mill Liners

Qiming Casting manufactures manganese steel and chrome-moly alloy steel mill liners for SAG, AG, and ball mill.

According to the different grinding media and grinding materials, the mill can be divided into: ball mill, rod mill, AG mill, SAG mill, vertical mill and so on. When working, the motor rotates the cylinder through the transmission gear, sprocket or belt, and the centrifugal force generated will bring the grinding media and materials to a certain height and then fall, which will produce heavy blows and grinding effects on the materials.

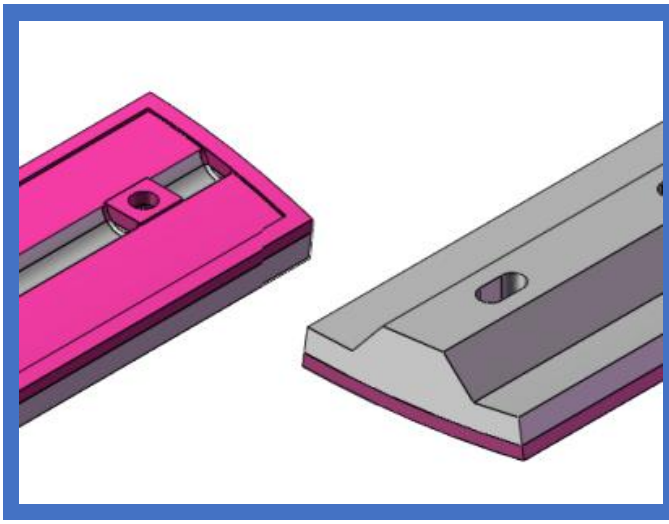
Due to the continuous friction and impact of materials and grinding media, the quality of the grinding mill liners directly determines the service life of the grinding mill and the quality of the products. Qiming Casting mainly provides wear parts for ball mills and AG mills/ SAG mills. We provide rubber, alloy and steel-rubber compound grinding mill parts to optimize the work efficiency and grinding effect.

Material Selection

- L2B
- L2C
- Manganese Steel

Liner Types

- Head Linings
- Shell Linings
- Discharge Parts
- Trunnion Linings
- Lifting bars

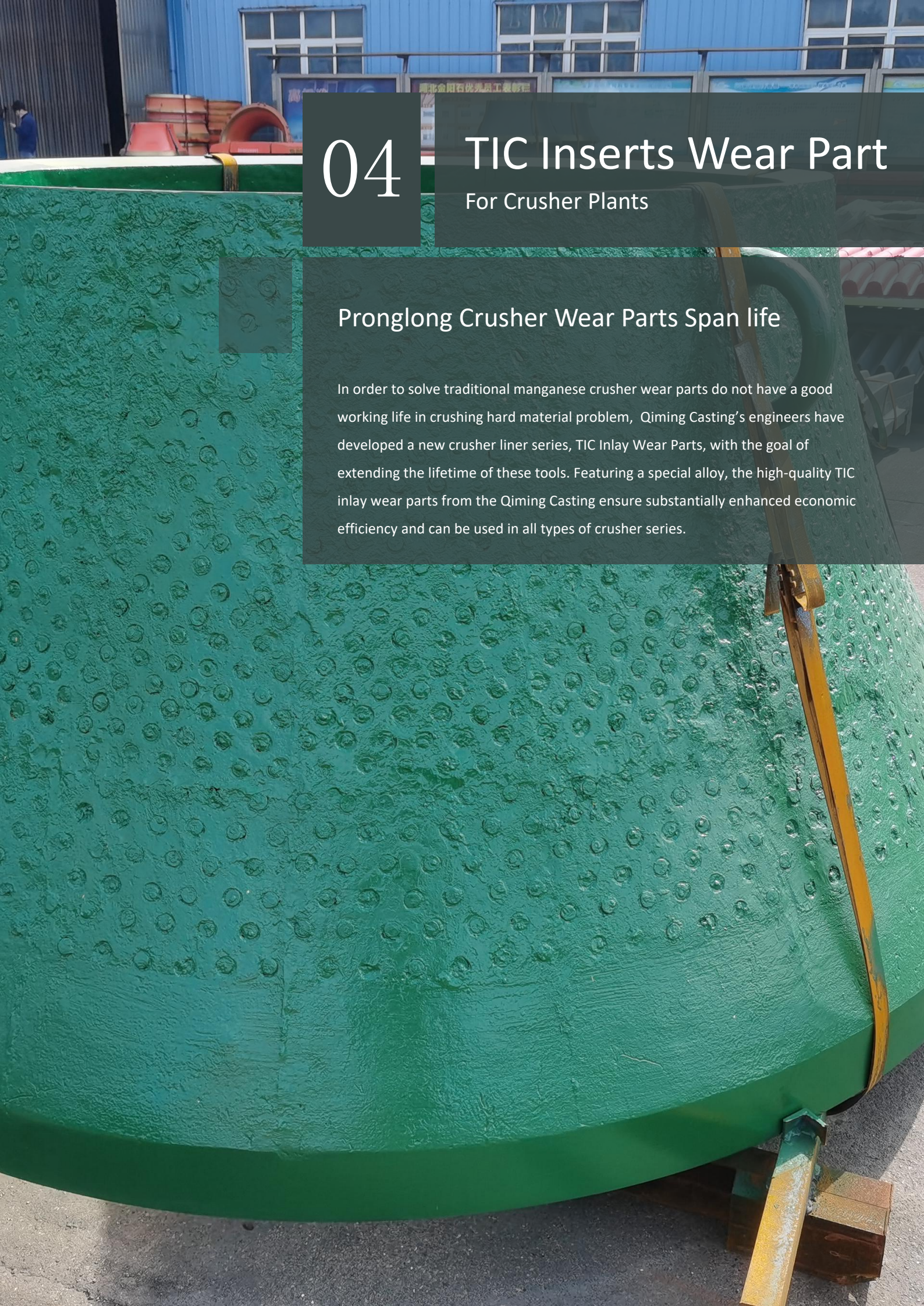


OEM Design Material

Our engineers design different material for different ball mills and working conditions.

Such as, we design Bi-metal shell liners for our Australia customer, which working life can be improve 60% than normal chrome-moly liners.

If you have any inquiry, contact us freely!



04 TIC Inserts Wear Part

For Crusher Plants

Pronglong Crusher Wear Parts Span life

In order to solve traditional manganese crusher wear parts do not have a good working life in crushing hard material problem, Qiming Casting's engineers have developed a new crusher liner series, TIC Inlay Wear Parts, with the goal of extending the lifetime of these tools. Featuring a special alloy, the high-quality TIC inlay wear parts from the Qiming Casting ensure substantially enhanced economic efficiency and can be used in all types of crusher series.

TIC Inserts Jaw Plates

Qiming Casting manufactures and designs TIC inserts jaw plates for customers to prolong jaw plates span life.

How it prolong span life?

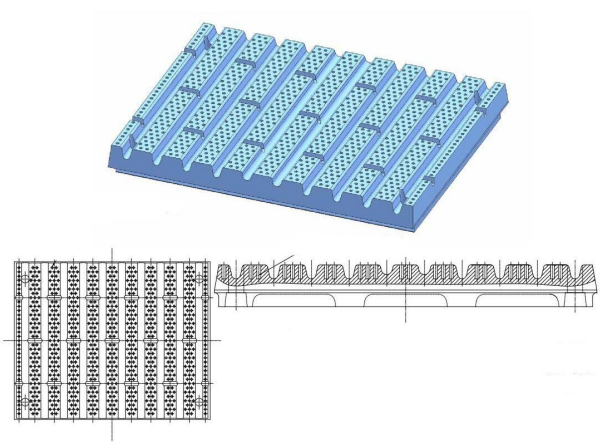
When the stone enters the jaw crusher, titanium carbide rods are hit first. Due to the high hardness of titanium carbide rods, titanium carbide rods wear very slowly. On the other hand, the small broken stone touches the gap of two rods. Crushed small stones have low impact, but can also harden areas of high manganese steel matrix. When the rods worn out, the manganese steel matrix had hardened. This is the reason why TIC inserts jaw plates span life more than manganese jaw plates.

Why choose this design?

We have some customers who use jaw crushers to crush very hard stones. Even with the best Mn22 jaw plates, the liners have a short lifespan. Our customer told us his manganese PEW760 jaw plates just work around 165 hours.

After analyzing the customer's crusher working condition and wear of the old liners, our engineers designed TIC inserts liners for him.

TIC Inserts Jaw Plates Design



Case Study : Philippines customer, PEW760 jaw crusher

Before: Normally, the Mn18Cr2 crusher jaw plates work 160 hours

After Switching to Qiming Casting TiC: Our TIC inerts jaw plates span a life of 412 hours. **2.575 times** than normal manganese jaw plates!

TIC Inserts Cone Liners & Gyratory Mantles

Qiming Casting manufactures and designs TIC inserts cone crusher liners & gyratory mantles for customers to prolong cone liners span life.

How it prolong span life?

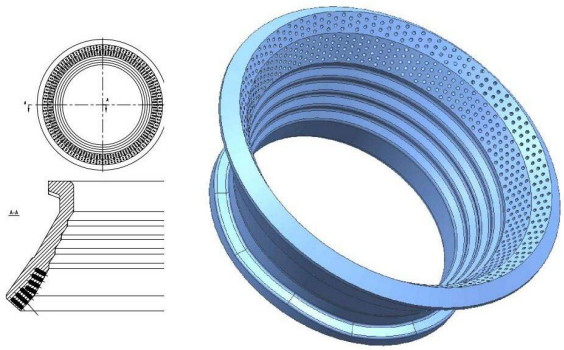
When the stone enters the cone crusher, titanium carbide rods are hit first. Due to the high hardness of titanium carbide rods, titanium carbide rods wear very slowly. On the other hand, the small broken stone touches the gap of two rods. Crushed small stones have low impact, but can also harden areas of high manganese steel matrix. When the rods worn out, the manganese steel matrix had hardened. This is the reason why TIC inserts cone liners span life more than manganese steel cone liners.

Why choose this design?

We have some customers in Australia and Peru, who use cone crushers to crush very hard stones. Even with the best Mn22 cone liners, the liners have a short lifespan. Our Australia customer told us that a set of Mn22 cone crusher liners just can work 7 days.

After analyzing the customer's crusher working condition and wear of the old liners, our engineers designed TIC inserts liners for him.

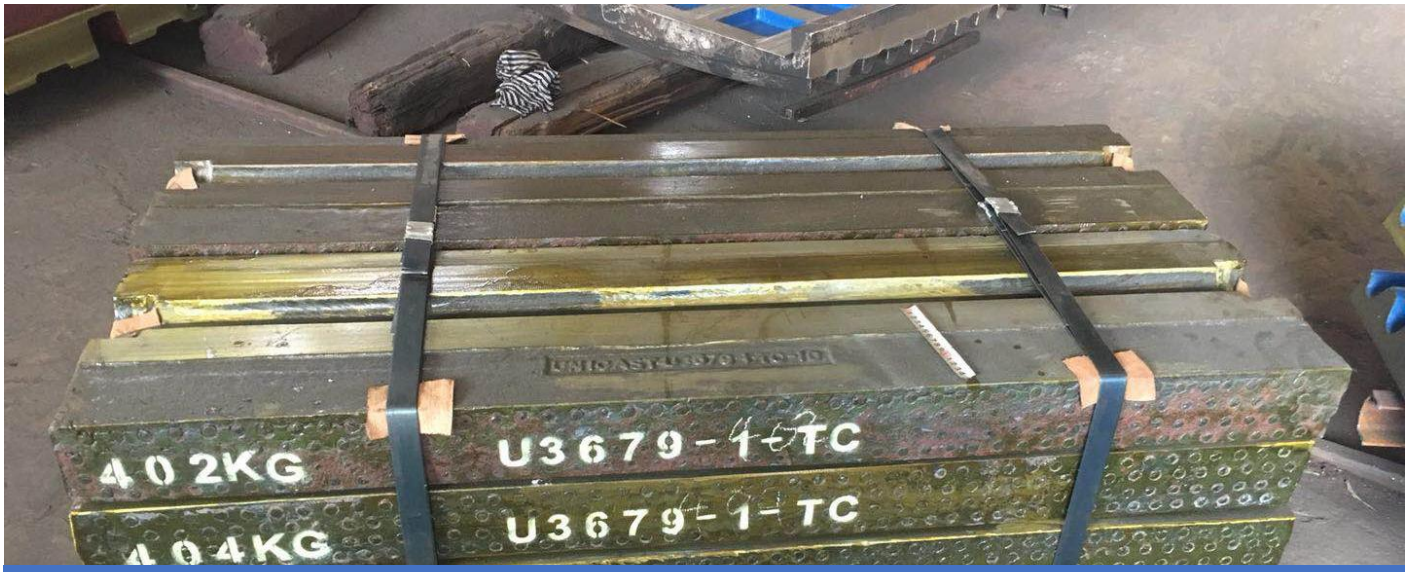
TIC Inserts Cone Liners Design



Case Study : Australia customer, MVP450 cone crusher

Before: Competitor's manganese cone liners work 7 days

After Switching to Qiming Casting TiC: Our TIC inserts MVP450 mantle and concave work 20 days. Around **3 times** span life !



TIC Inserts Blow Bars

Qiming Casting manufactures and designs TIC inserts blow bars for customers to prolong crusher blow bars span life.

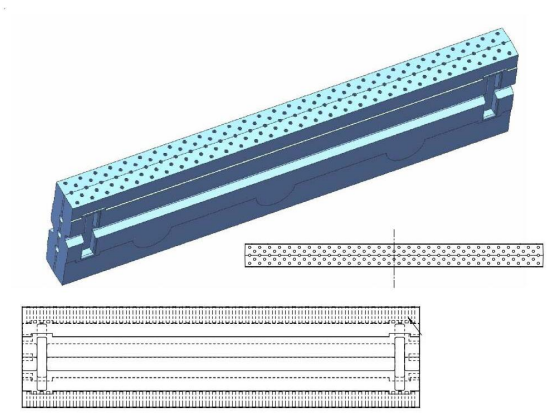
How it prolong span life?

When the stone enters the impact crusher, titanium carbide rods are hit first. Due to the high hardness of titanium carbide rods, titanium carbide rods wear very slowly. On the other hand, the small broken stone touches the gap of two rods. Crushed small stones have low impact, but can also harden areas of high manganese steel matrix. When the rods worn out, the manganese steel matrix had hardened. This is the reason why TIC inserts blow bars span life more than manganese steel cone liners.

Why choose this design?

In some working conditions, such as the input size is very big or use impact crusher as the primary plant to crush the stone or crush some materials which have iron steel, the safty blow bars are manganese blow bars. However, manganese blow bars can not get a good span life. So we design the TIC inserts blow bars to prolong its span life.

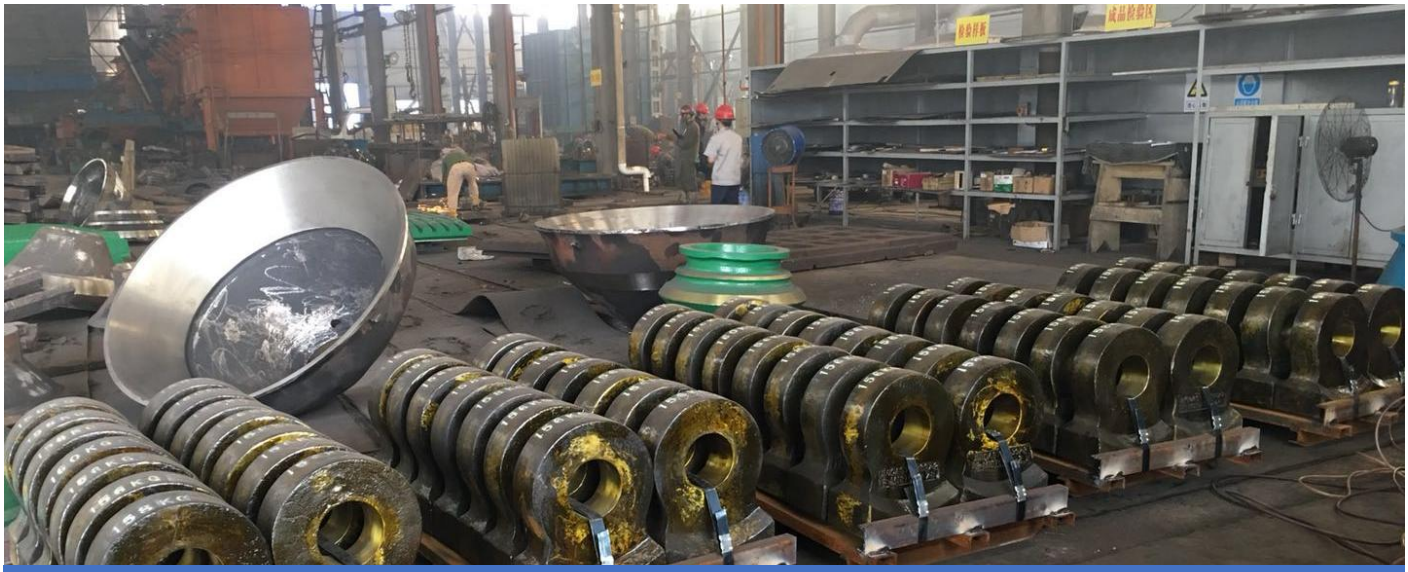
TIC Inserts Blow Bars Design



Case Study : Colombia customer

Before: Cemex's limestone operation in Cúcuta, Colombia was having trouble with the blow bars in the Laron crusher in 2017. Fabricated with 14 percent manganese, the blow bars were only lasting two months at a time.

After Switching to Qiming Casting TiC: After the Qiming Casting-fabricated blow bar was installed in the crusher, it lasted an impressive seven months before needing to be replaced a whole 3.5 times longer than the previous blow bar.



TIC Inserts Blow Bars

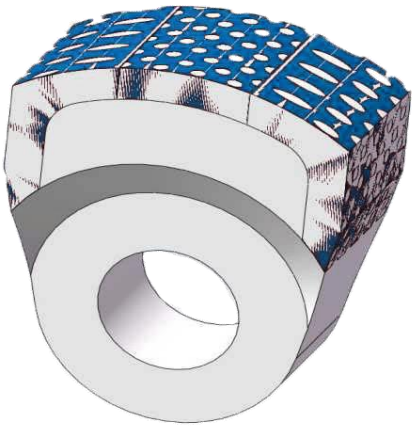
Qiming Casting manufactures and designs TIC inserts blow bars for customers to prolong crusher blow bars span life.

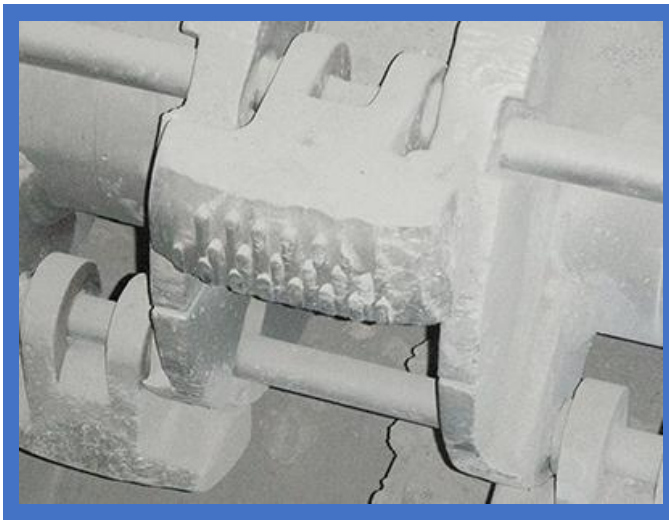
Product Details

TIC inserts crusher hammer is a type of crusher hammer that has been enhanced with titanium carbide (TiC) inserts. Crusher hammers are used in hammer mills and crusher machines to break down rocks, ores, and other hard materials into smaller pieces. They are an important component of crushing equipment and play a critical role in the crushing process.

Titanium carbide inserts are used in TIC inserts crusher hammers to improve their wear resistance and durability. TiC is a hard and wear-resistant material that can withstand high levels of impact and abrasion, making it ideal for use in high-wear applications such as crushing equipment. The TiC inserts are welded onto the surface of the hammer to increase its hardness and toughness, reducing the need for frequent replacements and maintenance.

TIC Inserts Hammers Design

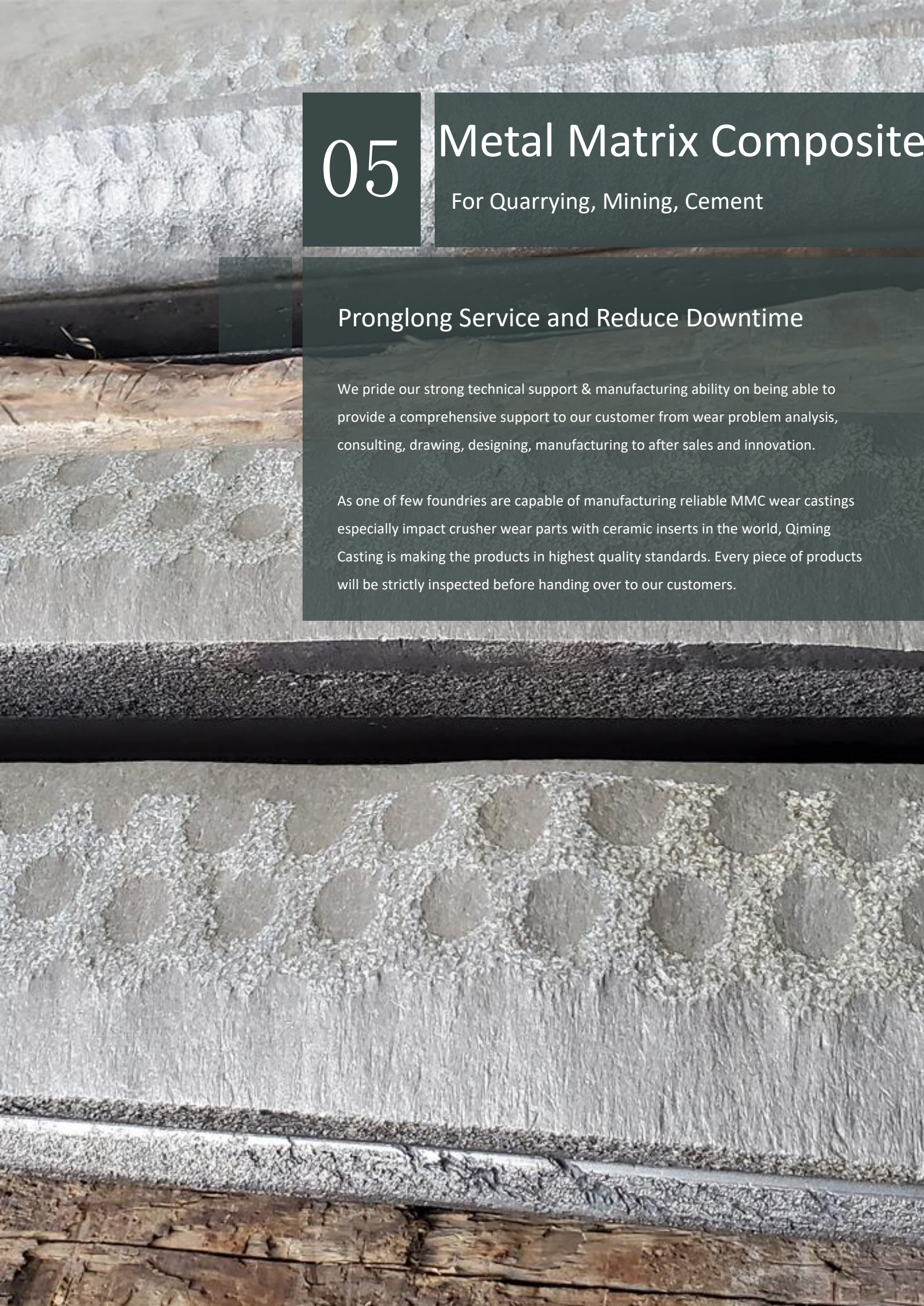




Case Study : Cement Customer

Before: Cemex's limestone operation in USA, the manganese hammers can work 11.5 month.

After Switching to Qiming Casting TiC: After the Qiming Casting-fabricated hammers was installed in the crusher, The new hammers were removed after 2.5 campaigns, exceeding expectations by 6 months.



05

Metal Matrix Composite

For Quarrying, Mining, Cement

Pronglong Service and Reduce Downtime

We pride our strong technical support & manufacturing ability on being able to provide a comprehensive support to our customer from wear problem analysis, consulting, drawing, designing, manufacturing to after sales and innovation.

As one of few foundries are capable of manufacturing reliable MMC wear castings especially impact crusher wear parts with ceramic inserts in the world, Qiming Casting is making the products in highest quality standards. Every piece of products will be strictly inspected before handing over to our customers.

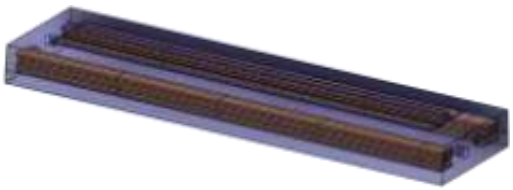
Blow bars, impact plate, side liner and rotor protection liner are the major wear parts that be frequently replaced on impact crusher and these account for a big part of the operation cost.

Extending the wear life of blow bars, impact plates, side and rotor liners can reduce the downtime of crusher, save the expensive labor cost for maintenance and consequently save the crushing cost on per ton.

As a wear parts manufacturer, Sunwill is applying the advanced MMC (Ceramic Embedded) and Bimetallic technology on the crusher parts to improve their wear performance. This has been proven to be the most efficient solution to reduce the downtime of crusher so as to relieve customers from the burden of operation cost.

Ceramic Embedded & Bimetallic Technology

Reduce the downtime of impact crushers

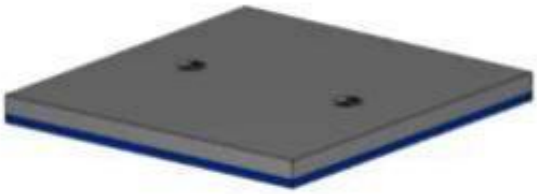


MMC Ceramic Embedded

A casting technology that embeds the ceramic grits into the casting at molten state.

The embedded ceramics largely enhance the ability of wear resistance of casting.

MMC technology is used to make the blow bars and impact plates last much longer



Bimetallic

A wear technology that combines two different types of metals (always chrome backed with mild steel) by brazing. It combines the good wear performance of chrome white iron and the good impact resistance of mild steel.

Bimetallic is used to make the side plates and chocky bars with longer life for Impact crushers.

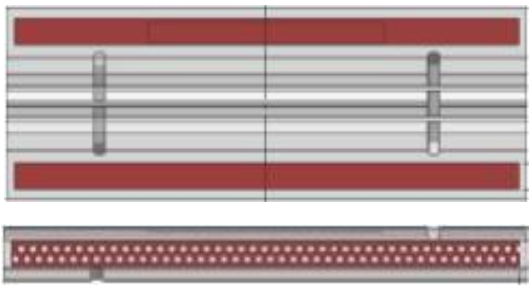
BLOW BARS

Select the Right Material for Right Application

No one material suits all crushing applications. Using the right material for blow bars is so important to efficiently and safely run the impact crusher.

Sunwill offers a wide range of material options for blow bars to suit the applications from low wear to extreme abrasion.

- Manganese steel
- Manganese steel with TIC inserts
- Martensitic steel
- Martensitic steel or with Ceramics
- Chrome white iron
- Chrome white iron or with Ceramics



Customized Wear Solution For Blow Bars

Qiming Casting is able to provide the customized solution for blow bars catering to specific application and wear conditions on sites.
Please just simply advise the application details, our engineers will come back to you with the best proposal.

BLOW BAR SELECTION

Code	Material	Basis Hardness	Wear Resistance	Applications
S200	Manganese steel	200-250HB	Relatively low	Large feed size low-abrasiveness stones e.g. limestones.
S200T	Manganese+Tic	200-250HB	Up to 100% increased on S200	Same as above but where longer wear life required.
S550	Martensitic Steel	500-550HB	Medium	Medium feed size of low to medium abrasiveness, such as Limestones, Asphalt, Concretes, Building rubbleswith steel rebars or a small quantity of unbreakable objects.
S550C	Martensitic Steel +Ceramic	500-550HB	Up to 100% increased on S550	Same as above but where longer wear life required.
C650	High Chrome	600-650HB	High	Small feed size of medium to high abrasiveness but low strength, such as Limestones, Asphalt, Concretes, Building rubbles without steel rebars or unbreakable objects.
C650C	High Chrome +Ceramic	600-650HB	Up to 100% increased on C650	Same as above but where longer wear life required.
C650X	High Chrome +Ceramic	600-650HB	150% increased on C650	Small feed size of high abrasiveness and high strength materials, such as gravels, granites without unbreakable objects

Qiming Casting supply blow bars to suit following and more brands:

- Metso
- Terex
- Powerscreen
- Finlay
- Evoquip
- Rubblemaster
- Hazemag
- Tesab
- McCloskey
- Eagle
- KPI-JCI
- Sandvik
- Hartl
- Striker
- Keestrack
- Portafill
- Lippmann
- Rockster
- Mesda
- Kreat

* All brands mentioned above are for reference purpose only.

SIDE LINERS & IMPACT PLATES

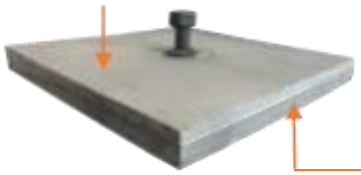
Bimetallic (Chromium Brazed Steel) Liner

An innovative solution of wear liner.

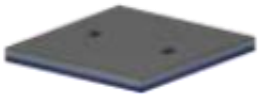
Wear life is 300% to 400% as long as the alloy steel liners.

Easier assembly with bolts pre-welded on.

Mild Steel Backup



A whole piece of High Chrome plate
Hardness: HB700+

Parts	Code	Material	Hardness	Applications
 **SIDE LINER**	R50	Bimetallic	>700HB	High abrasiveness applications, Particularly at the rotor areas where the most abrasion happens.
 **IMPACT PLATE**	S200	Manganese steel	200-250HB	Large feed size low abrasiveness stones
	S550	Martensitic steel	500-550HB	Large to medium feed size low abrasiveness
	S550C	Martensitic +Ceramic	500-550HB	Small to medium feed size high abrasiveness
	C650	High chrome	600-650HB	Small feed size high abrasiveness without unbreakable objects

ROTOR PROTECTION LINER

Bimetallic (Chromium Brazed Steel) Chocky Bars

Manufacture in different dimensions cater to specific rotor size

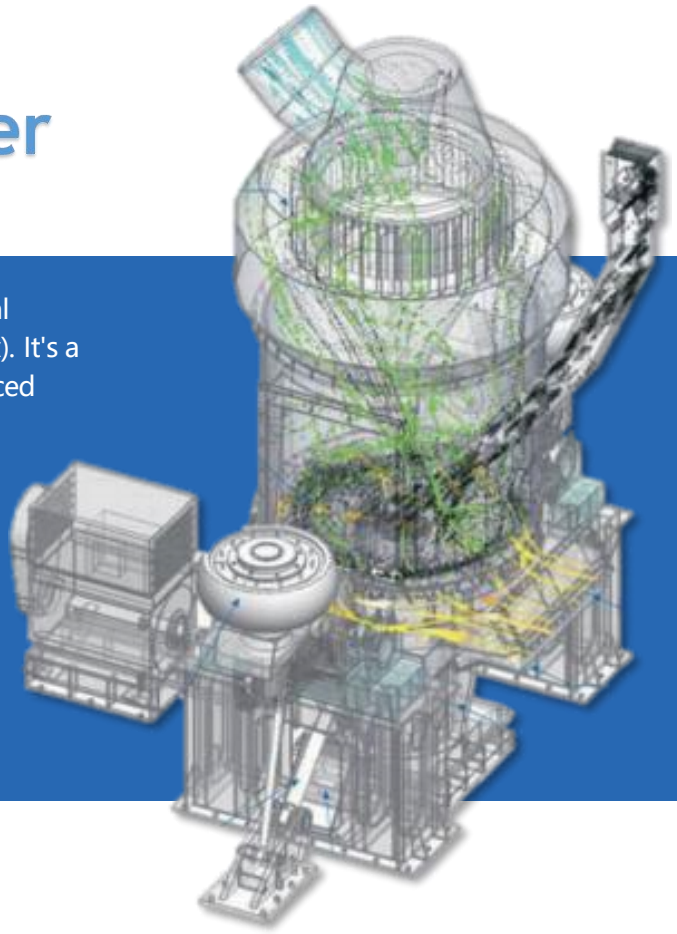
300%-400% Wear Life Increased
compared to classical hardfacing solution

Easier and faster to be welded on

WEDGE & ACCESSORIES

Qiming Casting is able to provide the customized wedges and other accessories for impact crushers.

Ceramic Grinding Roller



Ceramic grinding rollers are made of wear-resistant industrial ceramic particles (inlay) and high-chromium cast iron (matrix). It's a new type of composite wear-resistant grinding roller produced through one-go pouring & casting technology.

Ceramic grinding rollers are considered as the best wear-resistant solutions for vertical mills, and now are widely used in cement, metallurgy, electric power, construction, mining and other industries.

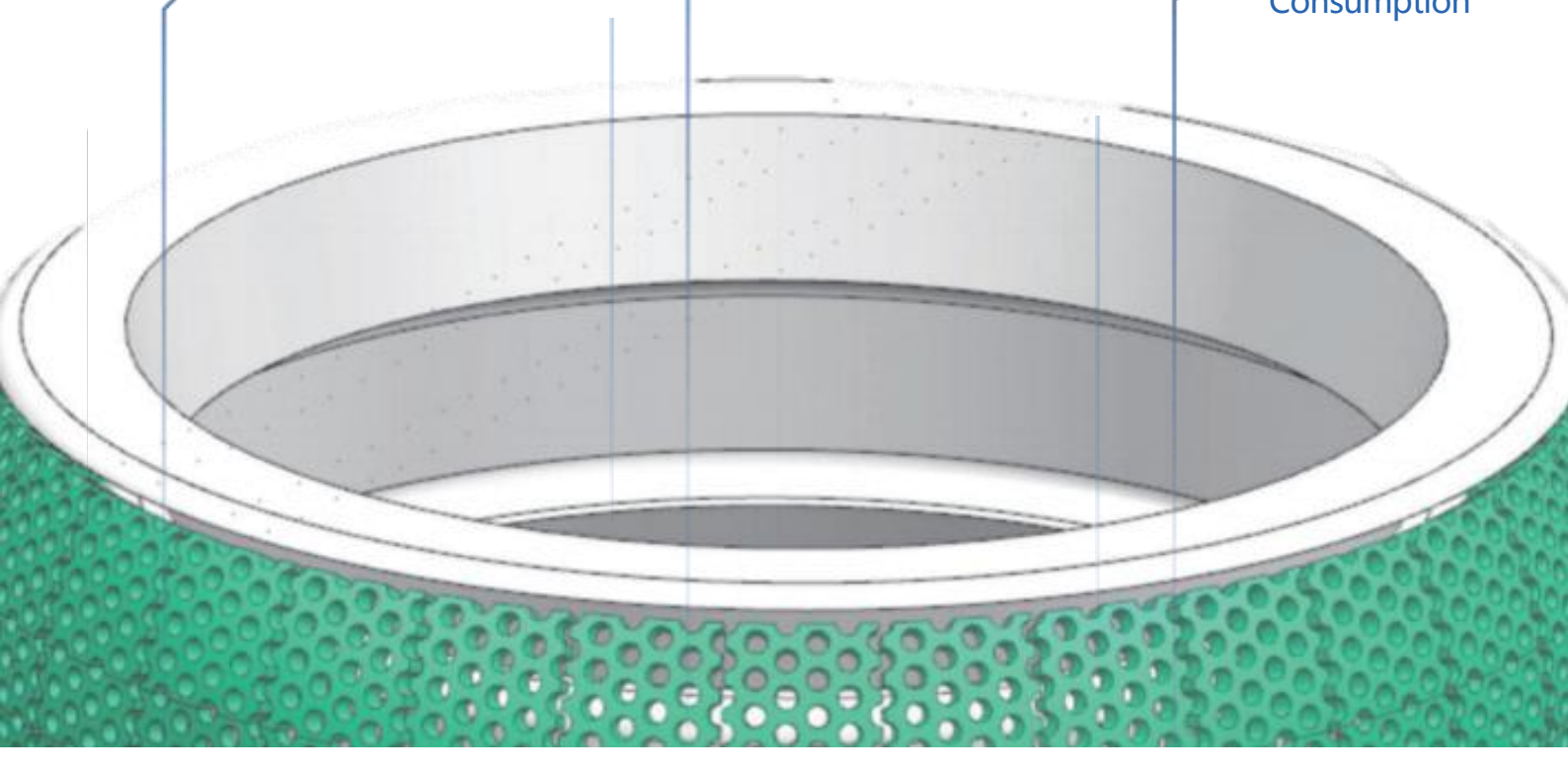
- Matrix: High Chrome Cast Iron
- Thickness of Embedded Ceramic: 40mm-60mm

Advantages Over Traditional Grinding Roller

Longer
Service Life

Higher
Production Yield

Lower
Energy Consumption



C Longer Service Life

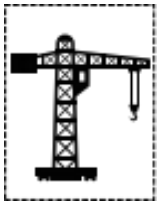
The service life of the grinding roller depends on the wear condition of its roller surface. The higher the hardness of its surface, the greater its wear performance, hence a longer service life. It all depends on what material to choose.

The material of traditional grinding roller is usually high chromium cast iron or hardfacing. Due to the characteristics of the material, the hardness is generally around HBW 650. Ceramic grinding rollers are embedded with high-hardness, industrial wear-resistant ceramics in the wear area of traditional high-chromium cast iron rollers. Its hardness can reach HV 2100, increasing the wear performance in the wear areas and significantly extending the service life of the grinding roller.

Material	High Chrome	Hardfacing	Ceramic
Hardness	HBW 650	HBW 650	HV 2100

Ceramic grinding roller helps reduce:

Downtime Cost


Disassembly Cost


Labor Cost


Consumable Cost


Spare Cost

Higher Production Yield

The surface of traditional grinding roller is getting smoother after frequent grinding between the roller and the grinding material. Its friction coefficient, grabbing ability and its yield pervertical roller mill will then all be noticeably reduced.

See what ceramic grinding roller will bring to you. Specially designed honeycomb structure that significantly increases the bite force and grinding efficiency of the grinding material, increasing the yield of the mill (per unit) by 5-10%.

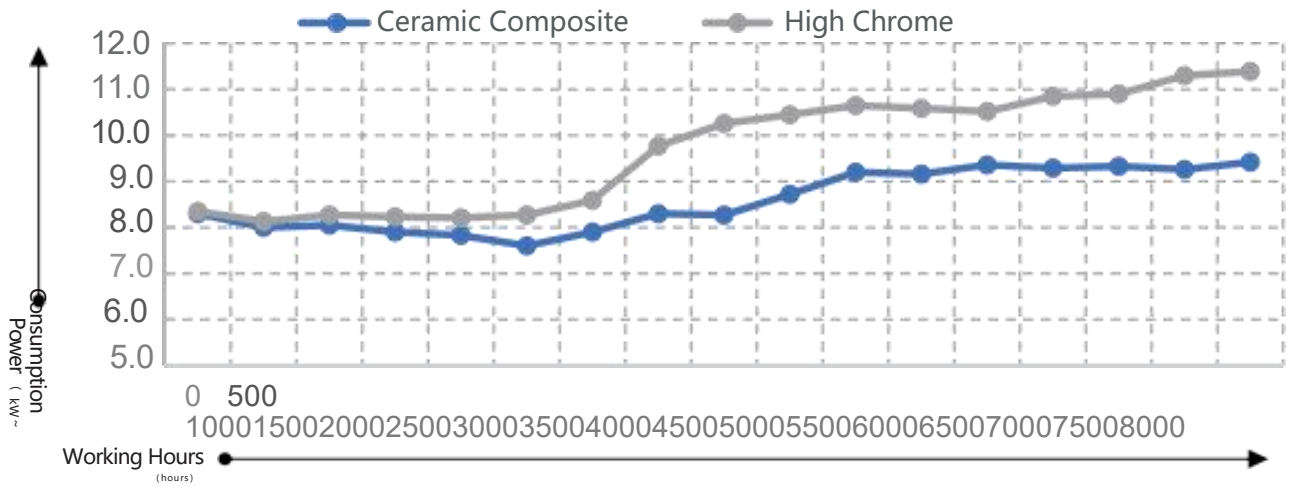

Honeycomb Structure - Demo


Overall Structure - Demo

Lower Energy Consumption in Operation

The specially designed honeycomb structure enables the grinding curve of the grinding roller and lining plate to maintain a sufficient grinding area, reducing the mills power consumption by about 7%.

Comparison of Energy Consumption Between Ceramic Grinding Rollers and Traditional Grinding Rollers



Ceramic Grinding Rollers VS Hardfacing Grinding Rollers

Cost Comparison

1 set of  ≈ 

Ceramic Grinding Roller

Hardfacing Grinding Roller

Hardfacing Cost	Maintenance Inspection Cost	Yield Increases by	Power Consumption Decreases By
3x	+ 3x	+ 5%	+ 7%

Case Study

Customer Name：Hefei Zhongya Equipment Factory
Customer Tag：Vertical Mill State-Owned Equipment Factory
Production Materials：Grinding Coal
Production Challenge：Yield must be stable
Working Hours：Approx. 24,000 hours
Service Life：3.3 Times Over Hardfacing Grinding Rollers

Customer Name：Gansu Jinchuan Group
Customer Tag：Ranked No. 4 of nickel and cobalt in the world
Production Materials：Quartz Sand
Ore Hardness：Mohs Hardness 7.0
Grinding Roller Yield：12,572 Tons
Service Life：3.3 Times Over Hardfacing Grinding Rollers

Customer Name：Jiangxi Ganfeng Lithium Industry
Customer Tag：Ranked No.1 in the Lithium Industry in China
Production Materials：Lithium Ore
Ore Hardness：Mohs Hardness 6.5~8.0
Grinding Roller Yield：Approx. 81,360 tons
Service Life：2.0-3.0 Times Over Hardfacing Grinding Rollers

Customer Name：China Jushi Group
Customer Tag：Ranked No.1 in the Fiberglass Industry in China
Production Materials：Pyrophyllite, White Foam Stone
Working Condition：Pressure 13-16Mpa
Grinding Roller Yield：45,317 tons
Service Life：4.1 Times Over Hardfacing Grinding Rollers

Special Products

-DHT Hammers

Alloy Hammers-DHT Hammers

The hammers used in shredder lines represent a key factor in plant efficiency. With the development of the market for recycling and shredding of scrap metal, the scrap has evolved, and it is getting lighter as cars and other products have much more plastics and other softer materials, which prevents proper work hardening of manganese. The traditional high manganese steel hammers are becoming increasingly unsuitable for the market.

Qiming Casting has developed a new hammer series, Dual Hardness Alloy Steel Hammer, with the goal of extending the lifetime of these tools. Featuring a special alloy, the high-quality cast-steel hammers from the Qiming Casting ensure substantially enhanced economic efficiency and can be used in all types of shredder series.

The special alloy is harder on key areas and helps to keep the original shape of the hammer for longer. With the correct hammer profile for your rotor, the shredder will feed better since it grabs the material and pulls it in, resulting in a higher production rate over a longer period of the life of the hammer (it keeps the sweet spot longer). This alloy has a higher yield point than manganese (it deforms less); consequently, you can push its geometry and use a thicker hammer that will not jam in your rotor. This gives you a more powerful striking force and improves material breakage and non-ferrous recovery.

Product Details

- Double hardness. Hammer handle hardness is around 400HB; Hammer working surface hardness is around 52 HRC to 60 HRC.
- Many-time heat treatment
- Maximum crushing capacity: 12000 tons

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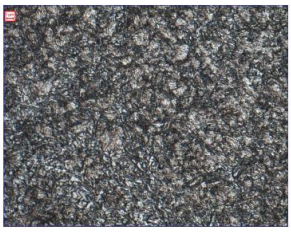

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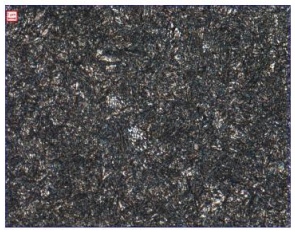

Case Study : USA Customer, Alpha Shredding Group, Inc

Before: Alpha Shredding Group, Inc Is one of the biggest used car recycling manufacturer in USA. They use Danieli shredder hammers to crush.

After Switching to Qiming Casting DHT hammers: After change to Qiming DHT hammers, the shredder hammers span life improve 10% and cost down 15%.

06

Reciprocity & Mutual Benefits

About Us

Qiming Casting produces wear parts in standard materials according to the actual needs of our customers. For example, high manganese crusher jaw plates, cone crusher liners, and side plates for stone crushers; High chrome steel rollers for vertical mills; Cr-mo alloy steel liners for ball mills.

Qiming Casting strives to assist clients in lowering costs, increasing parts availability, reducing downtime, and providing even better after-sales services by drawing on the experience, knowledge, and financial stability of our very successful business. Qiming Casting is able to produce and deliver suitable quality crusher replacements and worn parts at extremely low costs for all major mobile crushing and screening equipment thanks to the hiring of highly experienced people. Our success in the quarry and mining industries has been attributed to our emphasis on excellent craftsmanship, cost-effectiveness, and customer happiness, as well as our goal to consistently give our clients the finest goods.

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