

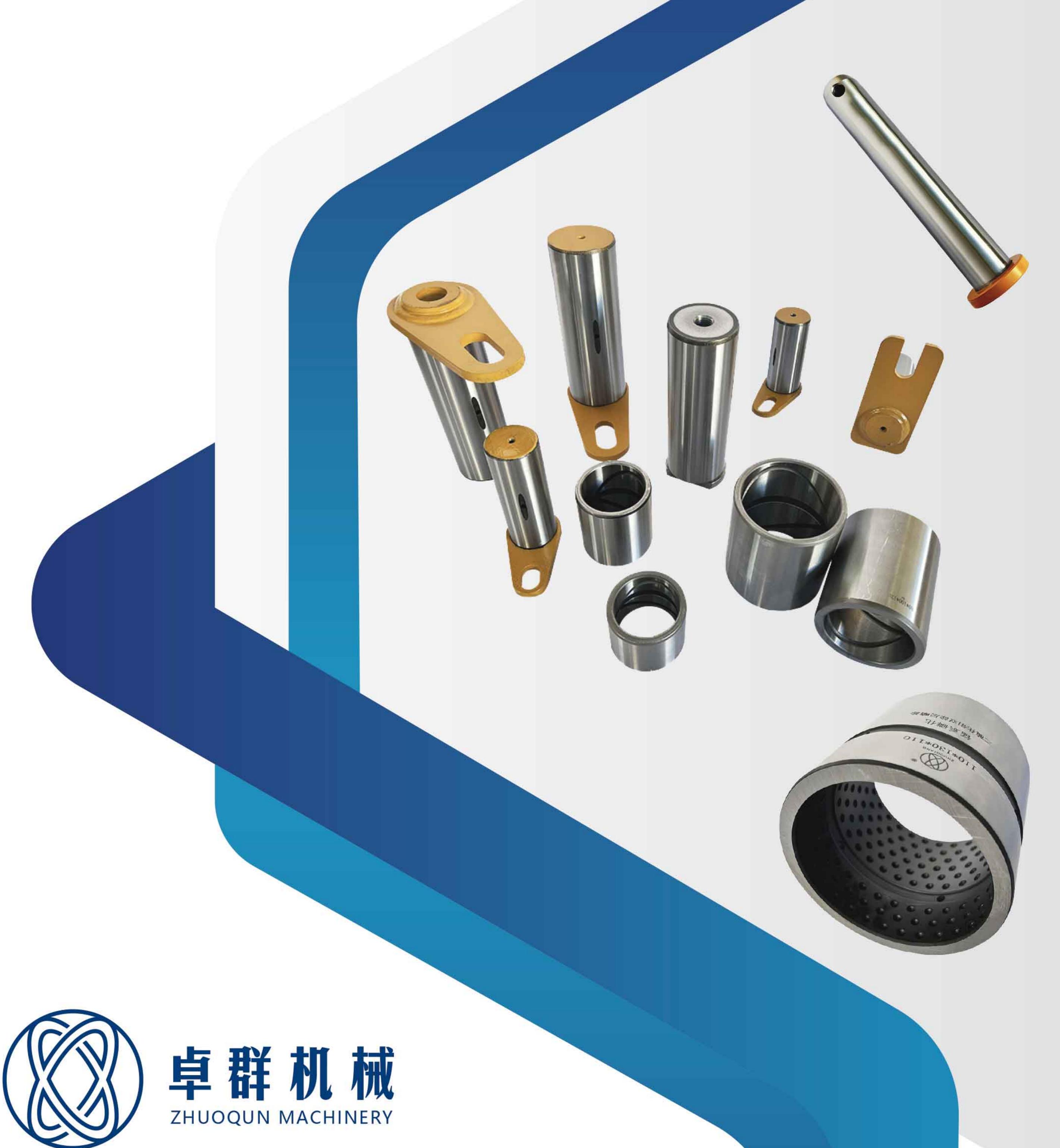


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We provide you with professional solutions for engineering machinery shaft bushings

Hebei Zhuoqun Machinery Parts Manufacturing Co., Ltd



Hebei Zhuoqun Machinery Parts Manufacturing Co., LTD., founded in 2011, the company specializes in the production and sales of construction machinery, construction machinery, mining machinery and other machinery with high-quality pin, bushing series products.

The company is located in China bearing township Linxi County, Hebei Province, the company has a full range of heat treatment equipment, workpiece normalization, tempering, carburizing, medium frequency quenching, high frequency quenching and other heat treatment process has a special heat treatment expert guidance. The production area of the company covers an area of 8000 square meters, with 60 employees, including 6 technical personnel and professional engineers. The company has more than 70 sets of professional equipment for the production of pins and bushings, of which CNC equipment and special automation equipment account for 90%, including CNC lathes, machining centers, laser cutting machines, oil groove cutting machines, four-axis inner diameter drilling machines, external grinding machines, centerless grinding machines, inner diameter grinding machines, closed-loop production, no external processing.

Zhuoqun products are sold all over the world. Russia, South Africa, Australia, the Middle East, South America and other countries and regions have more advantages. In China and many host enterprises supporting. Such as Caterpillar, Yingxuan Heavy Industry,

8000 m² of factory land

60 employees

technical personnel and professional engineers

professional equipment



Xugong Group, Shantui shares and so on. At the same time, we also provide customers with secondary supporting services, which can be customized according to any requirements of customers and completed by our one-stop packaging. In terms of customization, we can provide the products you need according to your drawings, sample data, etc., and have engineers to provide you with free industrial drawing services.

Quality testing: We have physical and chemical analysis and testing equipment such as metallographic analyzers, ultrasonic flaw detectors, spectral material analyzers, coordinate measuring machines, Vickers hardness testers, Brinell hardness testers, and internal Rockwell hardness testers. We also support heat treatment metallographic testing and can provide you with quality testing reports and certificates for the entire process.

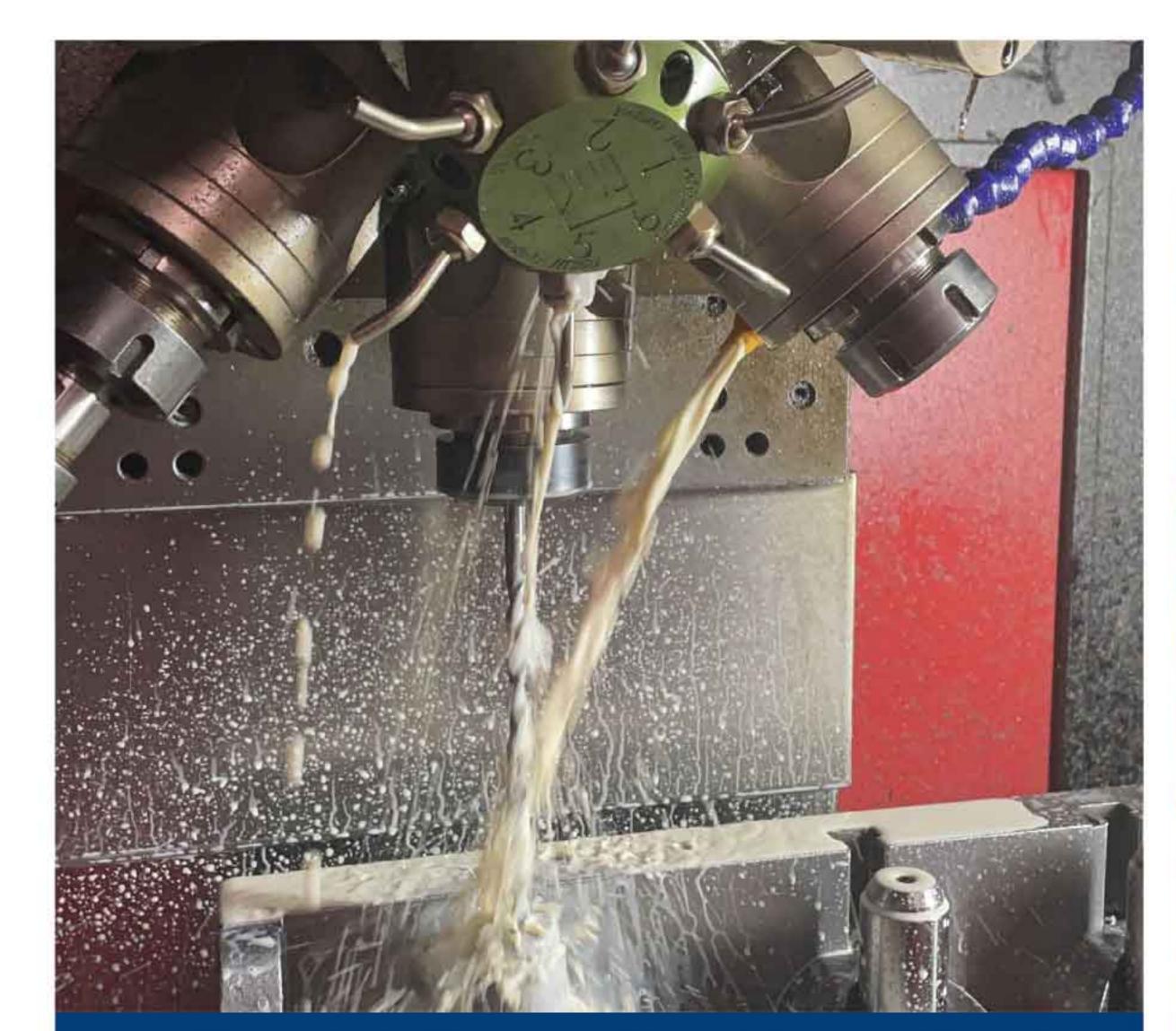
After sales system: For each batch of products sold, we have dedicated after-sales engineers to follow up on the usage of the products, solve customers' doubts during the installation and use of related products, and provide customers with free product process solutions. The company focuses on reforming processes, updating professional equipment, and improving the after-sales system, so that customers can use it with peace of mind and worry free.

Zhuoqun Machinery always adheres to the business philosophy of people-oriented, quality first, efficiency oriented, and sincere service. We are willing to create a friendly, harmonious, and win-win cooperation space with all customers. We will sincerely cooperate with you with excellent quality, good service, excellent quality, and exquisite craftsmanship to create a better future together.





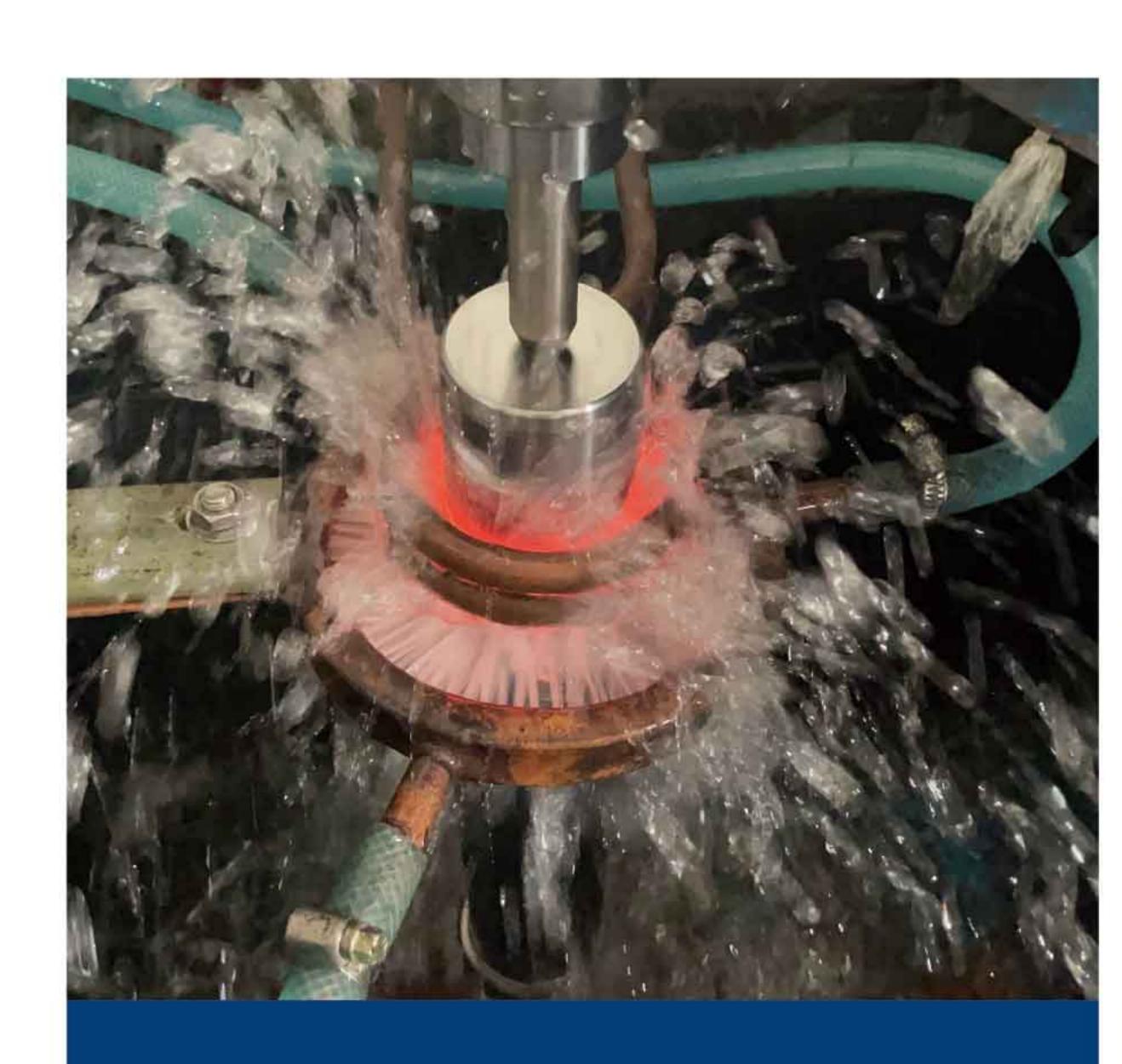
Pin professional equipment



Pin shaft drilling machine: It is a multi station machining machine customized for pin shafts. The deepest drilling can reach 400MM, and professional customized tooling is used, which has strong stability, high efficiency, and oil hole tolerance can be controlled within 0.1MM.



Pin shaft quenching and tempering production line: Adopting advanced quenching and tempering production line, HB Brinell hardness is stable, quenching and tempering depth meets national standards, and quenching and tempering organization standards can reach 2-3 levels.



High and medium frequency induction equipment: The hardenable layer can be controlled within a range of 2MM-6MM. The Rockwell hardness HRC can reach 52-60.



Pin shaft tempering equipment: After high-frequency and intermediate frequency, the pin shaft must be tempered through the equipment to eliminate the internal stress of the quenched workpiece, stabilize the production organization, and improve the overall quality.

Bushing professional equipment





Reticulated



Octagonal groove



Honeycomb like



The box type carburizing furnace is a fully automatic production line composed of a heating greenhouse, an oil cooling chamber, a cleaning chamber, and a tempering chamber. This equipment is specially prepared for lining heat treatment. The carburized product has extremely stable carburization depth and hardness, and minimal deformation, greatly reducing the stability of the grinding process. The carburization depth can reach 0.8MM-1.6MM, HRC55-62.





Main product display of the company







Suitable for domestic and foreign engineering machinery, construction machinery, mining machinery and other similar products.













Excavator liner









Excavator pin shaft









Loader liner







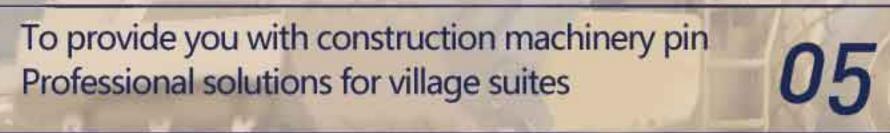














About Pins

production processes

To meet the cost needs of many customhigh-frequency treatment on the surface of the pin shaft, with a hardened layer depth of 1mm -2.5mm. This heat treatment process has a lower cost and can meet the needs mid-range market.

About Bushing

case harden

Manganese based phosphating treatment graphite spraying

We mainly support products with the following

and tempering treatment

of raw material

quenched and

tempered

surface

tempering the raw ma-

terials to improve the

overall core hardness of

the pin shaft. After ma-

chining, the surface is

subjected to medium

with a hardening depth

of up to 3mm -6mm. Fi-

nally, tempering treat-

ment is carried out to

the

stress generated by the

medium frequency, en-

suring good quality of the pin shaft.

frequency

treatment,

internal

Quenching and

Our company uses carburizing heat treat-The overall mangament for all bushings, with stable hardness and minimal deformation. The deep layer can reach 0.8mm-1.5mm.

nese series phosphating treatment of the bushing has the advantages of anti-corrosion and rust prevention, and can reduce the friction coefficient with the pin shaft. Afterwards, a layer of graphite is sprayed on the inner diameter of the phosphated lining, greatly improving lubrication and overall hard-

Dyeing

We can also dye the surface of the lining, mostly in pure black, but we can also dye it in brass, red, etc. according to customer requirements. In addition to its appearance, it also has a rust preventive

Surface galvanizing

Electrogalvanizing can be carried out on the surface of the pin shaft, and various styles such as color zinc, blue zinc, blue white zinc, etc. can be electroplated according to customer requirements, with excellent anti-corrosion and rust prevention effects.

treatment

chrome

plating

Electroplating hard

chromium on the sur-

face of the pin shaft and

making it according to

the thickness of the

chromium plating layer

required by the cus-tomer. The hardness of

the pin shaft after chro-

mium plating is ex-tremely high, and it has

the advantages of rust

prevention and corro-

sion prevention.

Bronze self-lubricating liner

This product is made of bronze material and has uniformly distributed porous graphite on the liner. The cost is high, but it has excellent performance in working conditions with good environments and the ad-vantage of self-lubrica-

Product raw material material

We can customize various materials according to customer needs, mainly including the following materials

Pin shaft raw materials

Europe	American Standard	China
45C	1045	45#
41Cr4	5140	40Cr
42CrMo4	4140	42CrMo
35CrMo4	4135	35CrMo



Bushing raw materials

Europe	American Standard	China
		20CrMnTi
20CrMo44	4119,4118	20CrMo
45C	1045	45#
41Cr4	5140	40Cr
42CrMo4	4140	42CrMo







Our company has passed the international ISO9001 management system certification standard and the national first-class machinery manufacturing industry qualification.





Enterprise characteristics

Our production philosophy is not limited to the production of pins and bushings for construction machinery, mining machinery, engineering machinery, and other equipment We have unique development and production capabilities for non-standard customized products, and have received recognition and praise from customers around the world!



Workshop on-site process quality inspection



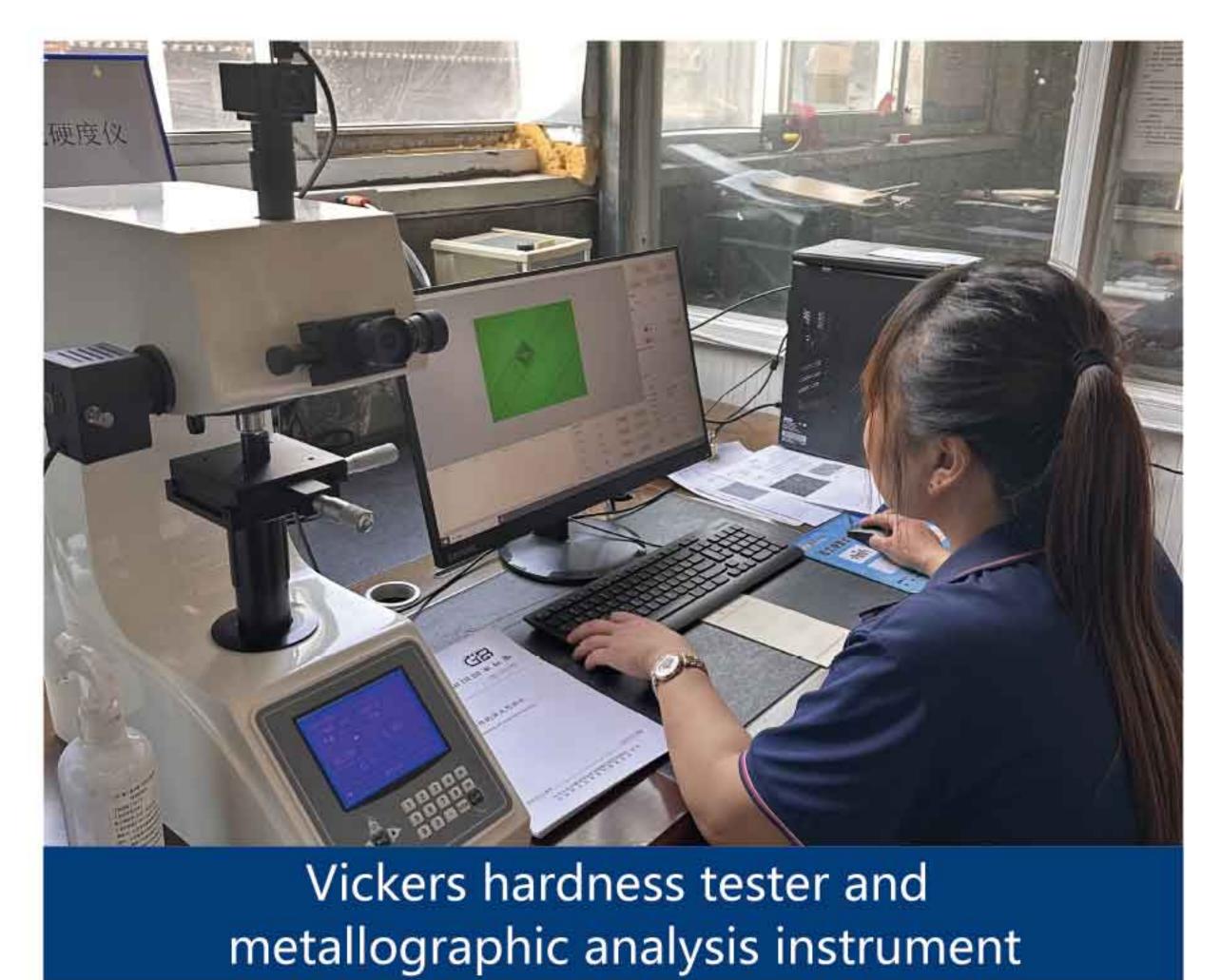






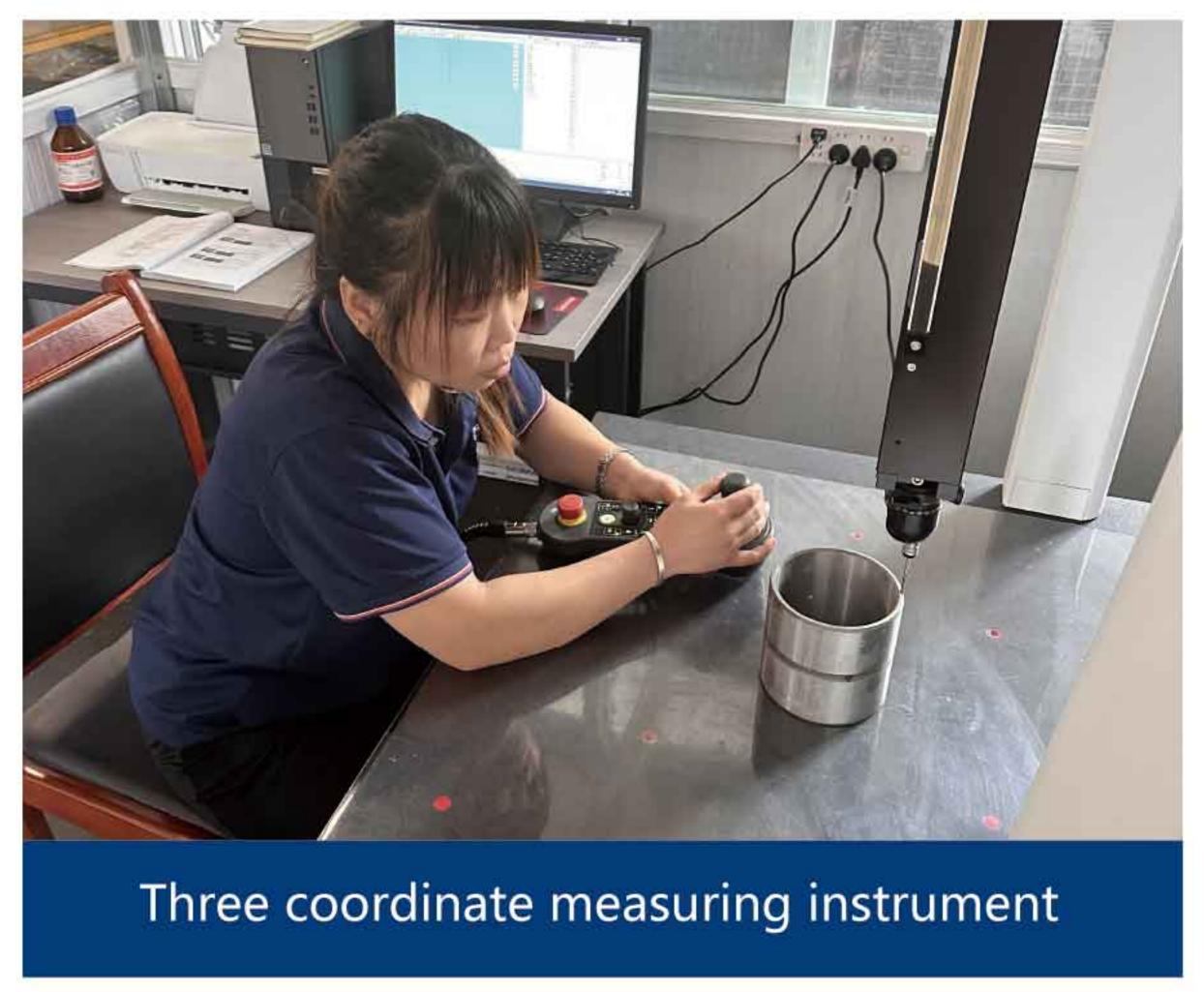
Physical and Chemical Analysis Room

Our company has a standard physical and chemical analysis room, which includes: Rockwell hardness tester, Vickers hardness tester, Brinell hardness tester, CMM, metallographic microscope, and ultrasonic flaw detector.









Staff



