

Barkat Machinery

One Source Supplier of Systems and Services to the Steel Industry

21.365



**BARKAT
MACHINERY**

About Us

Barkat Machinery was founded in 2016 with a vision to deliver cost effective and innovative custom solutions. Our aim is to deliver premium Rolling Steel Plant applications and services in the most demanding markets.



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Welcome To Barkat Machinery

Barkat Machinery aim is to deliver premium Rolling Steel Plant applications and services in the most demanding markets. Barkat Machinery was founded in 2016 with a vision to deliver cost effective and innovative custom solutions. Barkat Machinery are enabled by a highly experienced management and technical team with a track record of advanced material science application.

Background and introduction

Barkat Machinery design and manufacture our products keeping you in mind, keeping your vision at the centre of everything. This not only makes us a leading one stop rolling mill company. Barkat Machinery offers a comprehensive manufacturing, servicing and consulting solutions for hot steel rolling mill plants and its allied industries. We manufacture key components, single machines and service integral parts of the plants.

Executive synopsis

Barkat Machinery established in 2015 with the aim of consolidating our clientele and to serve them better in an efficient environment under the leadership of Mr. I.H. Khan. Mr. Nadeem Hasan is also a partner in the business, overseeing business development in the Steel Rolling Mill business. We have highly qualified technicians working under profoundly experienced Mr. Khan who deliver cutting edge engineered machines and OEM.

Organizational structure

Barkat Machinery established our first flagship workshop in Kushkhera, Bhiwadi, Rajasthan with the aim of being closer to our core clients and leading operators in the rolling mill business. Overall leadership of the organization lies with Mr. Khan who brings over 30 years of Rolling Mill experience. Mr. Hasan manages the day-to-day production planning and business development.

Quality

Adapt an environmental friendly approach to manufacture clean and safe products and service that fulfills our customers' demands.

Innovation

Adapt and Develop Technologies that ensures efficient operations and reduce pollution.

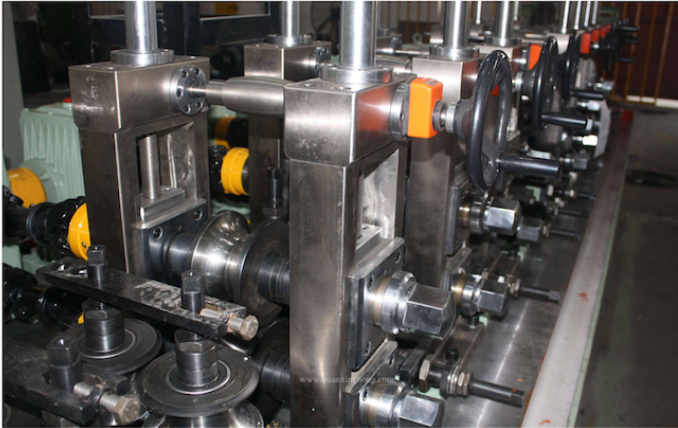
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Barkat Machinery Services

Manufacturing



Barkat Machinery offer best in class solutions designed in-house by our engineers and made by our skilled technicians within our integrated production facilities. Barkat Machinery prides itself in serving the industry by providing critical range of couplings (geared, flexible and universal), gear boxes such as reduction gear boxes, pinion stands, rotor shears single machines.

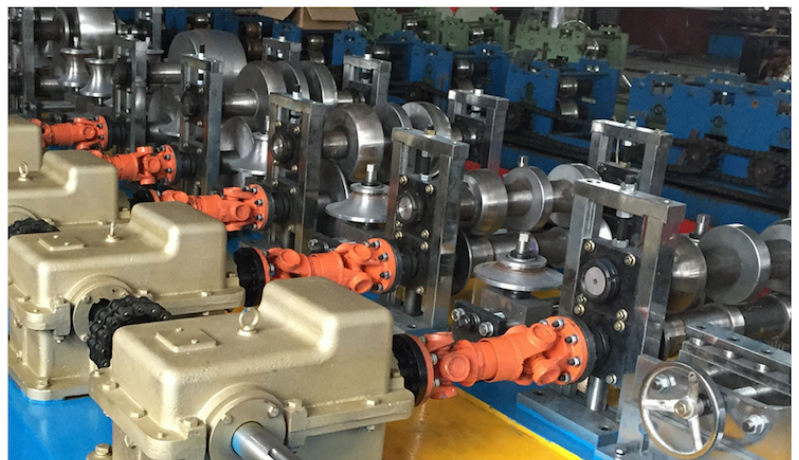
Consulting



Barkat Machinery access to unparalleled technical and management know-how enables us to provide cutting-edge consulting solutions across steel industry. Our management consulting practice is lead by Zaki Hasan who has years of experience advising global organizations in their growth, market entry and operations. He currently oversees the business function at Barkat Machineries.

Machining

Barkat Machinery is engaged in machining of large and medium sized components for Rolling Mill, Automotive, and Heavy Machine Industries. We take on challenging projects across all industries requiring systems at a very competitive price. We demand valuable feedback from our clients and up grade our products accordingly.



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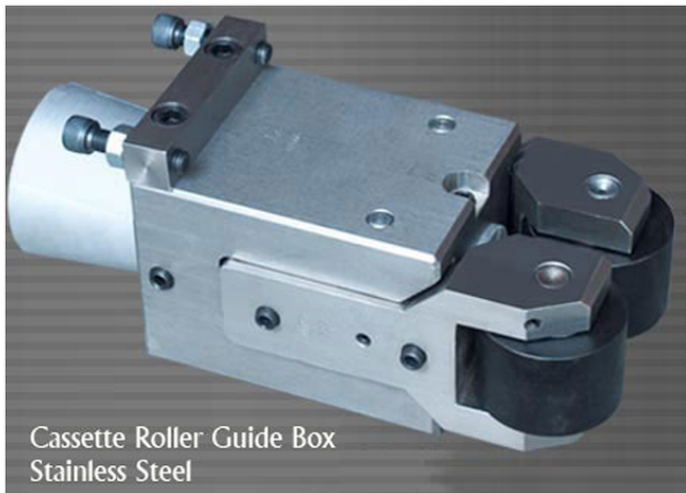
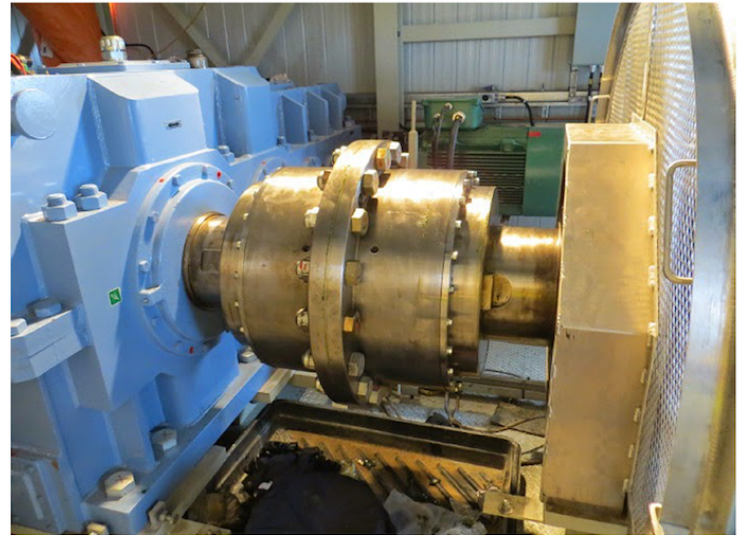


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Barkat Machinery Products

Geared Couplings

Our company provides supreme quality Gear Couplings which has application in steel industry. We provide gear coupling for 10", 12", and 14" rolling mill. It primarily provides connection between two shafts, which are together, attending the purpose of transmitting power. These gear coupling are rigid as well as flexible, which comprises of two hubs with an external gear and two outer sleeves with an internal gear. Our gear coupling is universal and is compatible for angular, offset and combined as well as large axial moments.



Cassette Roller Guide Box
Stainless Steel

Roller Guide Box

Roller guide box finds applications in continuous rolling operations in which the stock that is being rolled is properly twisted between each two adjacent rollers in rolling mills. The roller guide boxes have simple design which ensures durability standards, easy installation and smooth operation in diverse rolling conditions. Acknowledged for their incomparable performance, these roller guide boxes are corrosion & abrasion proof and need no maintenance. Provided with heavy duty taper roller bearing for larger sections, these high performing roller guide boxes undergo several quality examinations before final delivery.

Types of Roller Guide Boxes

- Roller Entry Guide Box
- Roller Guide Boxes Without Holder
- Stainless Steel Body Roller Guide Box
- Stainless Steel Roller Guide Box
- Roller Mill Entry Guide
- Entry Guiding Roller Boxes
- Industrial Roller Guide Box

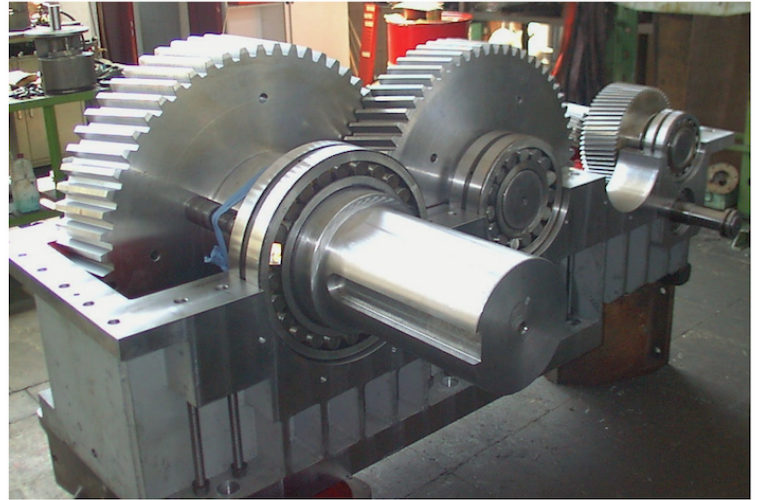
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Reduction Gears

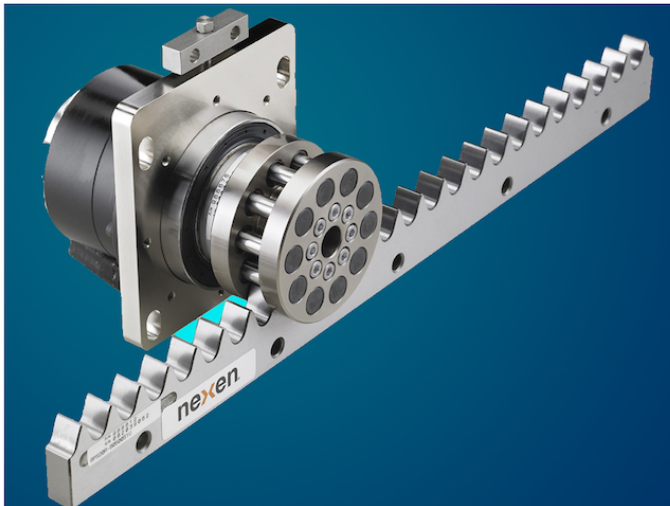
A reduction gear is an arrangement by which an input speed can be lowered for a requirement of slower output speed, with same or more output torque. Reduction gear assembly consists of a set of rotating gears connected to a wheel work. The high speed incoming motion from the wheel work is transmitted to the set of rotating gears, wherein the motion or torque is changed. The number of gears used in the reduction gear assembly depends on the output speed requirement of the application. The reduction gear assembly is usually known as reduction gear box.



Types of Reduction Gears

There are mainly two types of reduction gears:

- Single reduction gear
- Double reduction gear



Pinion

We provide Pinion Stand for Rolling Mills, used in reducing an input pace to a slower output speed. It consists of a wheel work connected with set Of rotating gears by which force is transmitted or motion is changed. We consider torsion stiffness, rated speed, torque and repercussion.

Basic features of a typical Pinion Stand Gearbox

Housing: Steel Fabricated
Gear Material: Forged and forged blank EN-9, EN-19, EN-24 Steel,
Gear Type: Spur, Single & Double Helical Gears up to 2500mm Die,
Normal Input Load Range from 200 H.P. up to 2000 H.P. Drives,
Maximum Peak Load: 6000 H.P.,
Size Range: 150mm PCD up to 750mm PCD,
Speed: 50 RPM to 1500 RPM,
Shafts Material: Forged Class-IV,
Anchor / foundation bolts: Carbon Steel

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Pinch Roll

The Pinch rolls are mainly used to push the hot rolled material to another train. The pinch rolls will be installed between two rolling mill drives and in between two opposite install shears. We are a prominent manufacturer of Pinch Roll that is renowned for its efficient performance. Our range of pinch rolls is manufactured by using superior quality raw material and in compliance with the international standards. In order to cater to the requirements of customers, we offer them the facility of customization. Apart from manufacturing premium range of Pinch Rolls.



Technical Features

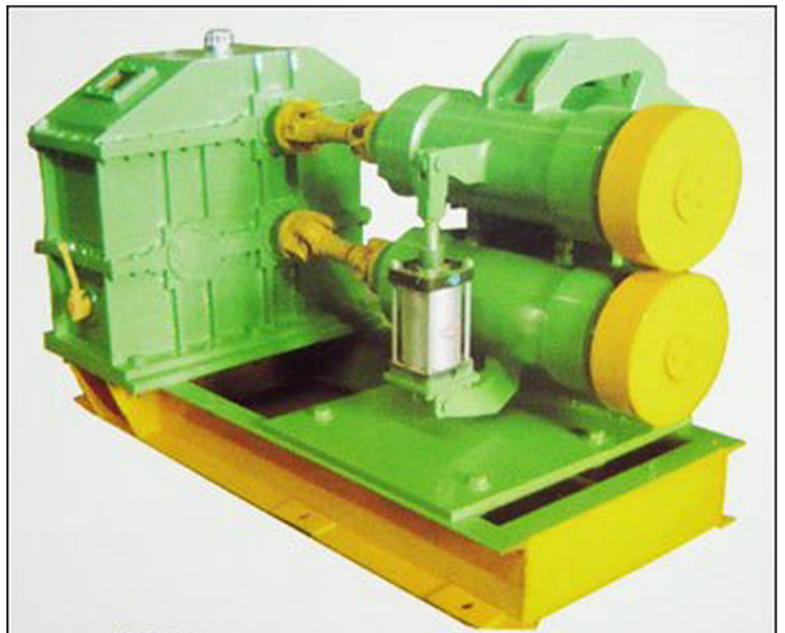
- Pinion body steel fabricated
- Rolls of EN-31
- Gear will be of forged steel EN-9 / 19 / 24.
- Anti friction Spherical Roller Bearing.
- Efficiently peak load worked design

Specifications

- Pinching capacity 8MM to 25MM (HOT)
- Size range 150MM to 400 MM PCD
- Double oil seals to protect any leakage

Tail Breaker

Tail breaker is installed after the flying shear & before the cooling bed to reduce the velocity of TMT bars. It runs through ac & dc variable drives. The rolls are separated through pneumatic cylinder. It consists of steel fabricated body, Pneumatic cylinder, top and bottom arms and rolls.



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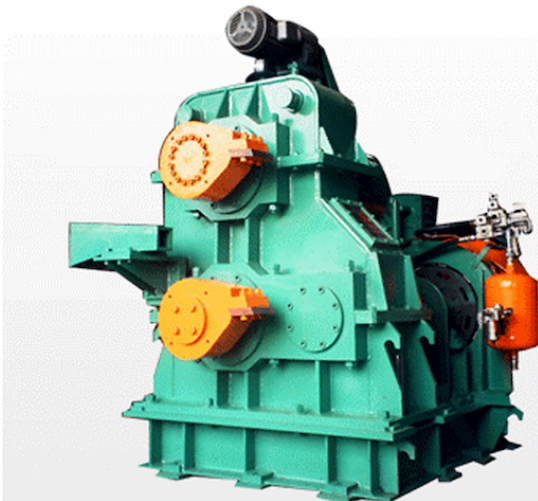
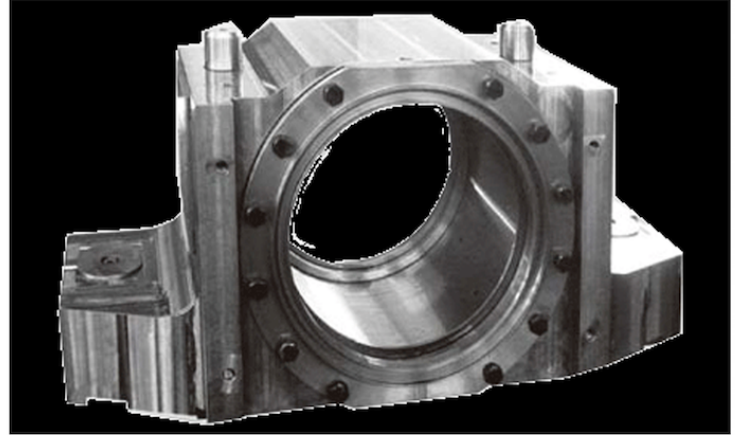


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Fiber Bearing Choke

The product provided by us is manufactured under the vigilance of our adroit help of latest technology our offered product is generally used to grip the fiber bearing owing to its rugged construction, perfect finish and corrosion resistance nature. In addition to this client can get this fiber bearing choke from us in bulk quantity at pocket friendly prices. Features:

- Anti corrosive
- Easy installation



Flying Shearing Machine

Flying Shear offered comprise machines that are available up to 1200 mm crs and can easily handle the bar cutting requirements from 12mtr/sec up to 20 mtr/sec. As the complete body of the flying shear machine is constructed using high profile European machines with internal parts & gears hardened as well as grinded on these European machines, we are able to assure in these optimum functional support as demanded by the customers. Special features

- These are suitable for processes requiring speed matching to given axis
- Increased throughput because of higher speeds as well as lower downtime
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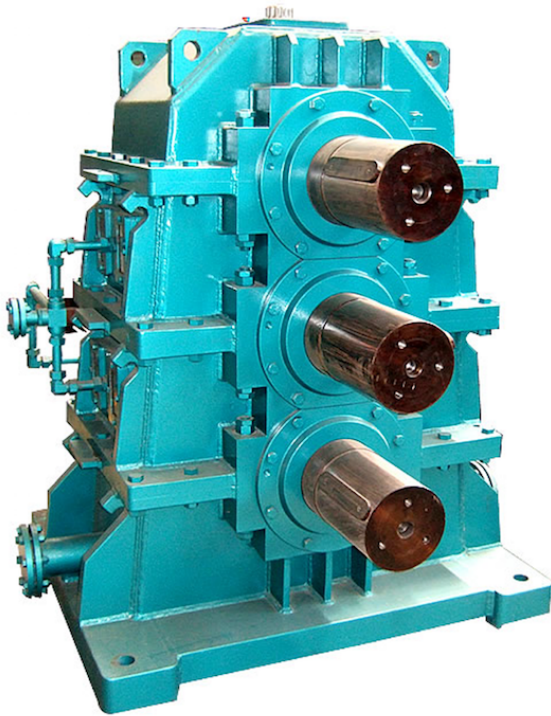
Rolling Mill Consulting Services

We offer our consulting, technical wealth of knowledge in the steel and manufacturing sector. We focus on serving/supporting steel plants with ever greater need for production efficiency and quality operations minimizing downtime and lost man-hours due to sub-standard equipments and machineries through effective planning. Consulting is led Mr. Khan and Mr. Hasan.

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Rolling Mill Stands

We manufacture and supply complete mill stand for the rolling /TMT/light section/medium section and heavy sections steel and of ferrous and non ferrous metals, of our mill stand are

- housing less stands
- fiber type mill stand

Features

- Heavy duty and sturdy design which is suitable to bear overload.
- Complete housing/structure of the mill stand is stress relieved and fully machined.
- Genuine and branded heavy duty antifriction spherical roller bearings are installed after thorough calculation.
- Compact and simple design to ensure quick roll change, easy maintenance and to avoid major down time.

Executive board and biographies

Mr. I.H. Khan is the Managing Director in the firm, with over 30 years of experience working at Rolling Mill giants. His core expertise lays in general management and designing. He is a graduate of Rohilkhand University.

Mr. Nadeem Hasan is production manager with additional responsibility for business Development. Mr. Hasan is a graduate of University of Delhi. His experience lies in CAD and new business development.

Mr. Zaki Hasan is a Mechanical Engineer by qualification. He leads the engineering and design function at the firm. He also designs business strategy. Mr. Hasan brings International experience advising corporations on their business strategies and business improvement working in London. He is a graduate of the University of Dundee, UK.

We are confident our services are of the highest quality and we look forward to doing business with you soon.

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Address

Works/Offices

Plot No. H1-1034 D RIICO
Industrial Area Kushkhera
(Rajasthan)



Email

General Enquiries/ Sales
contact@barkatmachinery.com

Business Development
zakihasan@hotmail.co.uk



Contact Us

Enquiries

+91-9352235100

+91-8130463162

+91-8239083184