



WELCOME TO GEARCON GROUP

Gearcon Engineering & Gearcon Cranes



AGENDA





ABOUT GEARCON

- Located in Chhattisgarh, GEARCON ENGINEERING was established in 1993 with manufacturing of Gears, Gear-couplings, Sprockets, Gearboxes and all type of mechanical items
- From 2012, EOT crane manufacturing was introduced in the company and now GEARCON is one of the leading Material Handling Equipment manufacturers in India. We are manufacturing cranes up to 80 tons.
- We offer complete solution for material handling required in various applications under one roof. Our products include Overhead cranes, Jib cranes, Gantry cranes, Goliath, Semi-goliath cranes, Electric Wire Rope Hoists, Gearboxes, Gear couplings, Sprockets etc.
- We have robust infrastructure and state of the art manufacturing facility with highly efficient CNC machines which help us in delivering quality products to our customer on time. We are also an ancillary to SAIL/Bhilai Steel Plant.





MANUFACTURING FACILITY





MANUFACTURING FACILITY





OUR PRODUCTS

OVERHEAD / EOT CRANES

HOT METAL LADLE CRANES

GOLIATH CRANES

JIB CRANES

GRABBING CRANES

ELECTRIC WIRE ROPE HOIST

GEARBOXES

**GEARS, GEAR COUPLINGS,
SPROCKETS**

SPARES





DOUBLE GIRDER OVERHEAD CRANES

- GEARCON manufactures Double Girder crane up to 80 Tonnes. Its main components are Double box girder, lifting trolley with rope drum, brakes, lifting hook, gearbox etc.





SINGLE GIRDER OVERHEAD CRANES

- Single girder cranes are designed to aid with a range of hoisting and moving operations. They enhance daily production and provide an ideal solution for facilities and operations with limited floor and overhead space that need a light to medium duty crane.





HOT METAL LADLE CRANES

- GEARCON specializes in the design and manufacture of lifting and hoisting equipment to meet molten metal handling needs.
- Overhead cranes designed to handle hot metal ladles are specially designed to be durable, stable, and reliable enough to safely lift and transport molten materials from one point to another.





GOLIATH CRANES

- A Goliath crane is an overhead crane built on top of a structure that is supported by freestanding legs, eliminating the need for an overhead runway system.
- We manufacture both single girder or double girder Goliath cranes as well as Semi-Goliath cranes which utilize only one side of supporting steelwork and one floor mounted rail.



DOUBLE GIRDER GOLIATH CRANE



SINGLE GIRDER SEMI - GOLIATH CRANE





JIB CRANES

- GEARCON manufactures JIB Cranes which are designed to work well in small work spaces completing repetitive loading and unloading tasks.
- Usually these cranes are used where other materials handling equipments can't be used for any structural reasons. These are completely free standing workplace cranes & can be used for outdoor storage yards & loading ramps.





GRABBING CRANES

- Grabbing crane is used for handling bulk material like fertilizers, chemicals, coal, gypsum, lime stone, clinker, sand or grains etc.
- We make grab buckets with capacity range from 1 cubic meter to 5 cubic meter. Higher capacity grab bucket can also be designed and manufactured on demand.





ELECTRIC WIRE ROPE HOIST

- Electric Wire Rope Hoists are rotary machines that use a wire rope to lift and lower heavy objects.
- GEARCON make Hoists have a compact and sturdy design to fit in any industrial or commercial environment and are suitable for light and medium load duty (up to 15 Tonnes).
- Thruster brakes are used for vibration free stopping.
- Main hoist motor is for mounted and cross travel motors are integral with gearboxes and brakes.





GEARBOXES

- The gearbox is a mechanical method of transferring energy from one device to another and is used to increase torque while reducing speed. The gears can be any of the types : Helical, Spur or Worm gears.
- The body is made of fabricated steel body or Cast iron.
- Size range is from 125 mm to 1500 mm centre distance. Range of reduction ratio is from 1:5 to 1:200.





GEARS, GEAR COUPLINGS, SPROCKETS

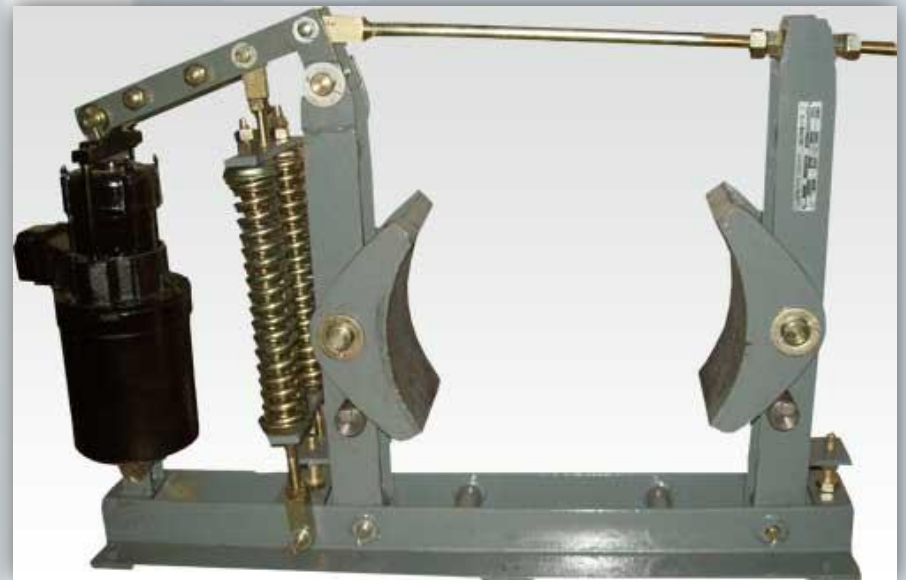
- GEARCON has been manufacturing Gears, gear couplings, sprockets since 1993
- Numerous types of gears viz Helical, Spur, Worm, Bevel are made in our unit with high precision with the help of automated machines
- Gear coupling is a device used to connect two shafts together to transfer power from one end to another end.
- Sprocket is a profiled wheel with teeth that mesh with a chain. It is distinguished from a gear in that sprockets are never meshed directly.





SPARES

- We understand the importance of spares in case of breakdown of machinery and thus keep a variety of spares in stock for our customers.
- General spares which are available with us include brake, pinion, hook etc.





QUALITY

- At GEARCON, all parts are inspected periodically through various stages. The girder plates used for making cranes are procured from reputed companies like **TATA STEEL, SAIL, JINDAL** etc.
- The teeth of gears are super finished with **GEAR GRINDING MACHINE** which enables us in producing Gear boxes with minimal noise.
- We have specialized machine for providing optimum hardness to various gears through **AUTOMATED INDUCTION HARDENING MACHINE.**



GEAR GRINDING MACHINE



INDUCTION HARDENING MACHINE



HEALTH, SAFETY & ENVIRONMENT

- We believe health concerns the morale of our workforce
- Our key elements include -
 - A. Providing PPE to each employee
 - B. Reducing, recycling and reusing of wastes
 - C. Creating awareness about HSE among all employees working
 - D. Adherence to safe and healthy working environment during production/handling of material
- We abide by all environmental laws and regulatory standards





CONTACT US

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