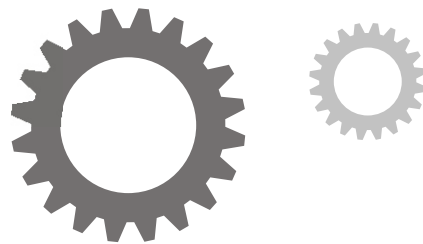
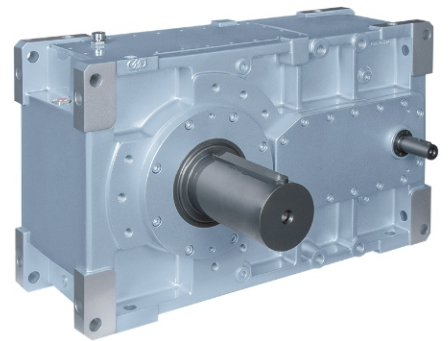
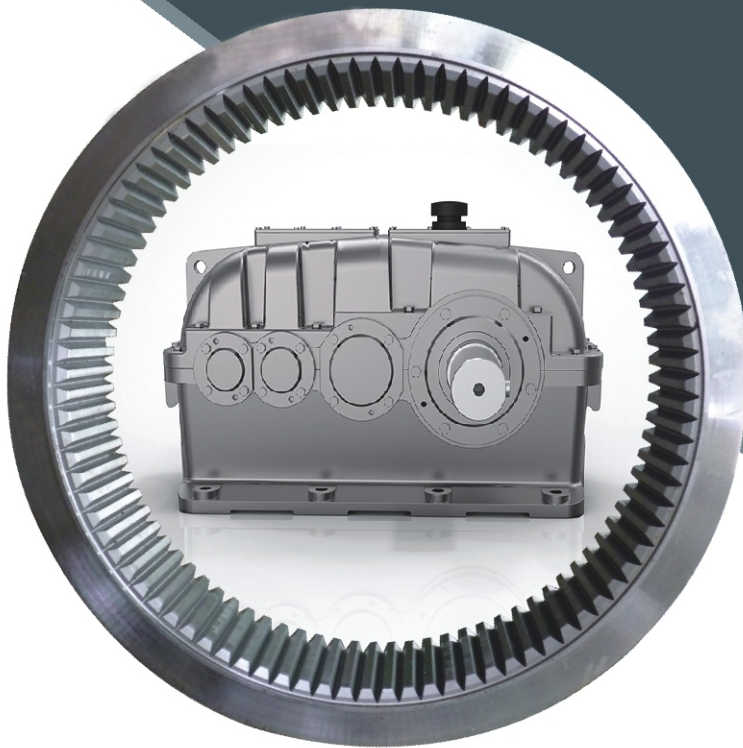




GEARTECH

ENGINEERS PVT. LTD

An ISO 9001 : 2008 Company



TOTAL GEAR AND MECHANICAL POWER TRANSMISSION SOLUTIONS

The Most reliable Gear Reducers Planetary, Helical,
Bevel Helical & **Innovative Combination Type**



About Us

GearTech-India Provides total Gear & Mechanical Power Transmission Solutions to Industry. Company is based at Sangli- 230 Km. away from Pune, the Leading Industrial Hub of State Maharashtra (India).

Within a span of a decade we have developed sound infrastructure for Designing and Manufacturing complete range of Gear Box Sets. Our Standard catalogue Range and Import substitution, special purpose, replacement Gearboxes with similar dimensions. We also offer Innovative power saving Gear reducers, Lubrication System, Couplings and reliable drive systems to all types of Industries.

Our infrastructure involves use of World Class Gear Design Softwares for Designing-Manufacturing. (Like KISS-SOFT Switzerland, Solid Edge, Ansys). Advanced state of the Art German, European machines for machining. We have adequate In-house Machining Facility and Devoted, Experienced, Strong Vendor Base for Machining.

Quality is our passion. We firmly believe ultimately quality product is the only loyal way to grow. Hence, we strictly follow stringent, well defined quality assurance plan and assembly processes.

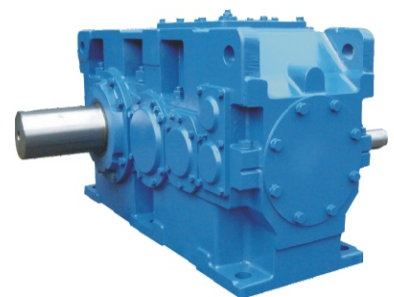
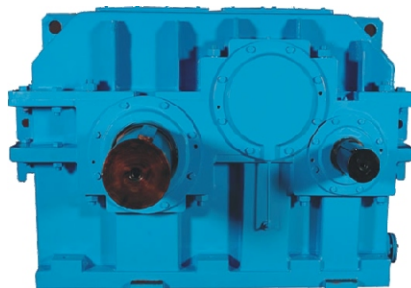
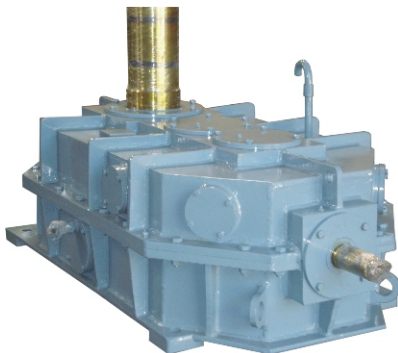
We trust customers shall reward us with most valuable Enquiries and strongly assure to be highly reliable Supplier-Vendor to Gear needs and Transmission Solutions.

Thanking and assuring you of our best services at all times.

OUR PRODUCT RANGE

SPECIAL PURPOSE / CUSTOMISED GEARBOXES

- **High speed & High power** - Single or double helical for steam, gas turbines, compressors, pumps, **Hydel power** etc.
- **Steel & Metal Industry** - Various mills, pinion strand cum reduction, complete range for **Rolling mills & Steel Plants**.
- **Cement & Mining Industry** - Various mill application like Vertical Roller, Ball, Raw, Kilns & various other applications.
- **Rubber, Plastic & Paper Industry** - Double output for cracker, mixing mills, calender machines, pulper & various applications.
- Extruder Duty / Aerator Duty / Cooling Tower / Foundry Mixers etc., vertically up-down oriented drives.



Manufacturing Range

- Transmission Capacity upto **1000 K.W.**, Speed range upto **5,000 R.P.M.**
- Center distance from **80 M.M. to 800 M.M.**, **Ratios 1:1 to 630:1** .
- Types - Single, Double, Triple & Quadruple stages, Horizontal and Vertical orientations with foot, flange or shaft mountings With input and output solid or hollow shafts.

MACHINING FACILITY



Casing Fabrication Facility



6 Axis WMW Heavy Boring Machine

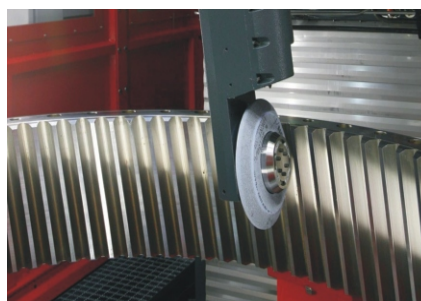


Liebherr Hobbing 1810L



External Gear Grinding

Make : Hofler, Germany
Max. Diameter : 1600 m.m.



Internal Gears

Make : Hofler, Germany
Max. Diameter : 1200 m.m.



Gear Profile Tester

Make : Hofler, Germany
Max. Diameter : 1500 m.m.

Assembly of the Gearbox will be carried out only after checking of all the necessary Tests as below.

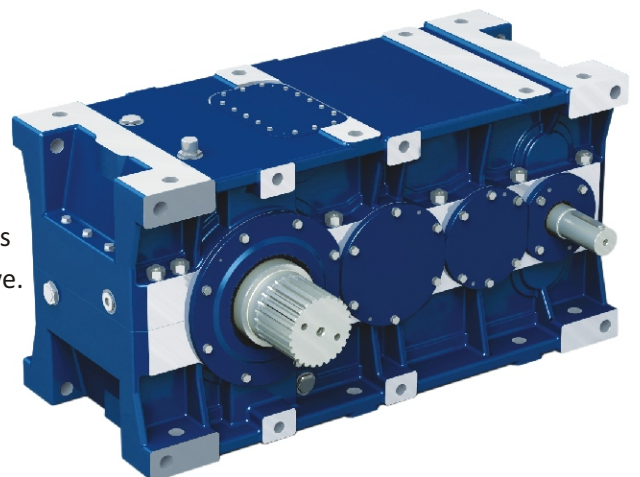
1. Gear accuracy - precisely tested with Lead and Profile Tester.
2. Dye penetration Test (Grinding Burns and micro Cracks)
3. Magnetic Particle Analysis Test (for further crack detection)
4. Nittle Etching Test (only for high speed critical gears)
5. Roll Scan Testing, Surface analyzer (for ultimate perfection)

Pre-dispatch Inspection

Gearboxes are strictly tested for

- 1) Temperature 2) Vibration 3) Noise Level 4) Oil Leakages

No load trials are carried out in presence of customer representative.



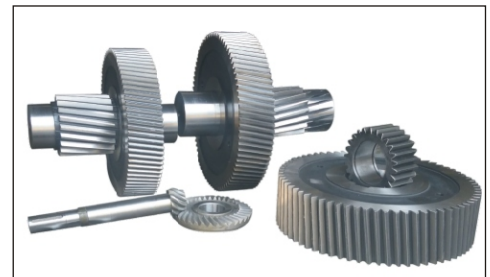
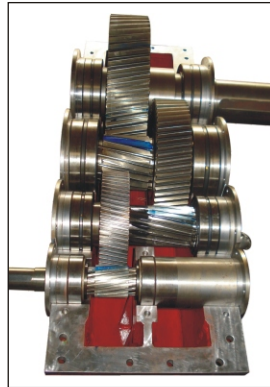
We have complete range of tooling upto 30 Module and range of Jigs, Fixtures for each and every machine.



OUR EXPERTISE

GearTech India offers a full range of industrial gearbox repair and maintenance services, with a specialty in heavy duty and large gearbox rebuilding and repair. We cater to heavy industries including power generation industries, and offer repair expertise for all types of gearboxes, shaft mounted gearboxes, right angle gearboxes, helical gearboxes, hardened and ground gear boxes. Our services cover the full process from CAD design and modeling, to any required fabrication and machining, to preventative maintenance.

We can repair and manufacture gearboxes made from all types of materials including steel, cast iron, or other materials. We are equipped to provide emergency repair services, and also offer start up support, gear reduction, inspection, metalizing, and base plate fabrication support services. To get started, please contact **GearTech** with your gearbox repair and related needs.



Capabilities	Gearbox Type	Replacement of Spare Parts	Industry Focus	Gearbox Applications
CAD Capabilities Emergency Repair Fabrication Machining Preventative Maintenance Repair Double Reduction Single Reduction Speed Decreasing	Cooling Tower Gearboxes Power Transmissions Shaft Mounted Gearboxes Right Angle Gearboxes Gear Box Housings Hardened & Ground Gear Box Helical Gear Boxes Planetary Single Reduction Double Reduction Triple Reduction Quadruple Reduction	Pinions Gears Shafts Couplings Housings Seals Bearings Sleeves	Sugar Industries Power Generation Refineries Municipalities Ship Repair Waterfront Repair Water Treatment Pulp & Paper Chemical Manufacturing Steel Industry	Oil & Gas Wind Energy Transportation Power Rubber Mining Sugar Pumps Metals

We also supply complete range of Worm, Worm wheel & Gear Couplings.

Gear Couplings



Worm & Worm Wheel

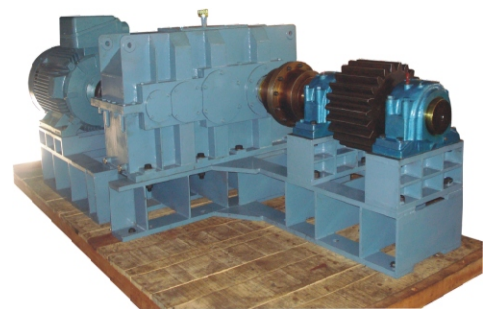
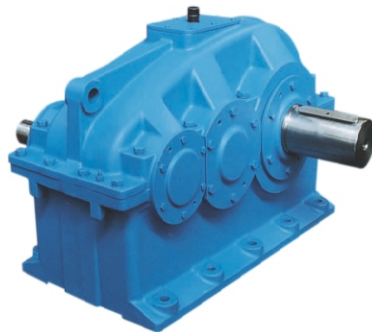
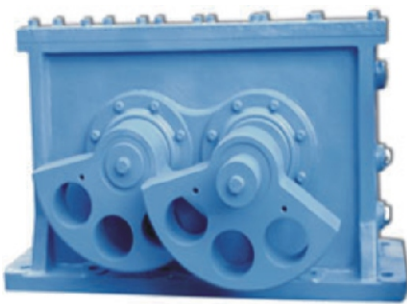


GEAR BOX SPARES / DROP-IN REPLACEMENT - PRECISE REVERSE ENGINEERING

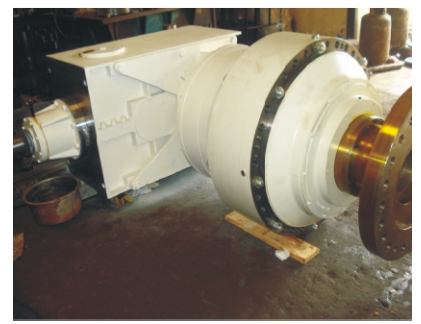
- Total set of Gear internals to suit existing housing of working gear boxes.
- Economical Gear Internal life enhancement by reversing gears to use non-working flank and to manufacture only pinions. (Usually it is not advisable to change only pinions, As due to age, uneven deformation occurs to Gear flank and matching profile can not be reproduced, unless it is precisely tested on gear lead and profile tester.)
- Gear box internal spares like integrated pinions, gear wheels, shafts, gear box casings, bearing covers etc. for spur or helical speed reducers and speed increasers of any make or any type.
- Spur, Helical Gear Planets, Sun Gear Pinion, Ring Gear, Planet Carrier and spline shafts for planetary speed reducers.

COMPLEX RE-ENGINEERING

- Ratio changing to change output speeds by providing identical spares with new split ratios.
- Enhancement / Up-gradation of transmission capacity of the gear internals with same housing.
- Conversion of through / volume hardened gear internals with case hardened-ground gears to increase transmission capacity, efficiency or reliability.
- Change of direction of rotation / conversion of solid shafts to hollow or extended etc.
- Changing bearings types and sizes to enhance capacity to avoid frequent failure.



PLANETARY GEARBOXES WITH INNOVATIVE DESIGNS



Highly Reliable and Import substitution Planetary Drives with Precisely Ground Internals and innovative designs features

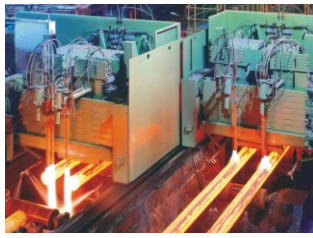
All Spares : Gear Planets, Sun Gear Pinion, Ring Gear, Planet Carrier and spline shafts for planetary speed reducers of any make.

We Cater to all types of Industries

**Thermal Power Plants,
Captive/Co-generation Power,**



**Steel, Copper, Aluminum
& all Metal Plants**



**Paper, Plastic, Rubber
& Tyre Plants**



**Fertilizers & Water Treatment
Selvage Treatment**



**Cement, Mining & Port trusts
Bulk handling**



**Oil, Gas, Petroleum
and Various Chemical Plants**



FEW OF OUR ESTEEMED CLIENTS



JSW Steel Ltd.

BMM Ispat Ltd.

Gujarat Reclaim & Rubber Product Ltd.

Parrys Sugar Industries Ltd.

Shree Renuka Sugars Ltd.

Godavari Biorefineries Ltd.

Biltube Industries Ltd.

Zuari Agro Chemicals Ltd.

JK Cement Ltd.

Kalyani Carpenter Steel Ltd.

Praj Industries Ltd.

& Many More...



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