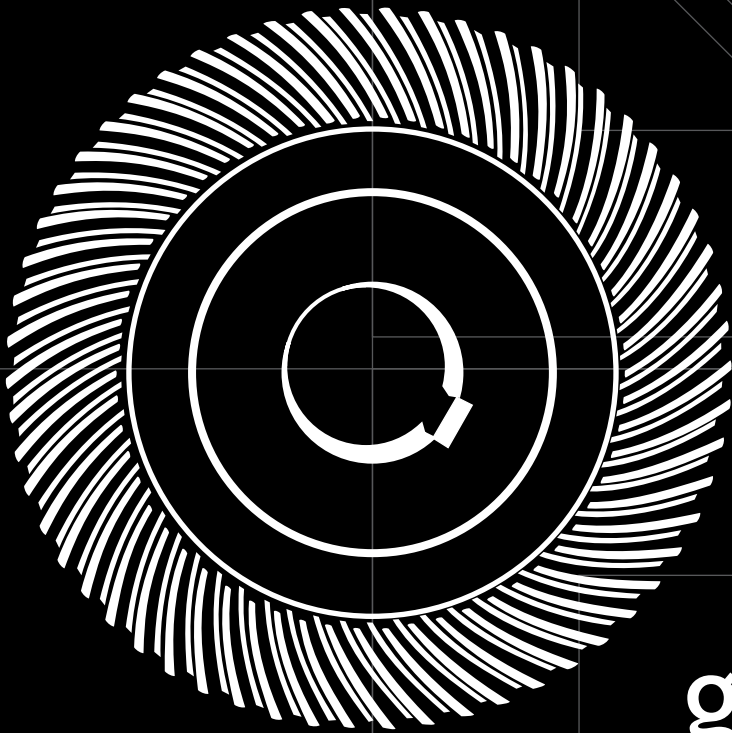


www.placebofabtech.com



gearing
perfection

 **PLACEBO**
FABTECH PVT. LTD.



**spiral
bevel gear**



PLACEBO FABTECH PVT. LTD. formerly known as PLACEBO GEARS AND TRANSMISSIONS, an ISO 9001:2015 certified company managed by qualified and experienced engineers maintaining international standards in bevel gear manufacturing and maintaining gear accuracies as per AGMA/DIN standards. Our sole aim is to enhance our productivity by maintaining quality standards to meet our customer satisfaction and continuously upgrade to satisfy the latest trend in bevel gear manufacturing. We have excelled in serving our major customers for more than two decades namely Premium Transmission Pvt Ltd, Kirloskar Pneumatic Ltd, Thyssenkrupp Industries, etc.

engineering

Our engineering team has a single point focus on accuracy and precision to meet our customer needs ensuring that jobs are made perfect. Well conversant with Industrial Sector requirement, we have a well experienced Engineering Team to design and draft Customers Drawings, Samples and Selection of Raw Material for sequencing of operations is done through the updated latest technology.





gear cutting

We have developed and manufactured over 1000 spiral Bevel Gear ratios. We have state of the art world proven CNC & Conventional machines from Gleason Works, USA. Gears are generated on Gleason summary following Five Cut Method. All gears are cut on gear cutting summary developed with sophisticated software. Each job is checked at soft stage to ensure bearing contact is generated for better lift and noise free gears. We are equipped to satisfy our discerning customers not only by offering standard route of manufacturing but also through our ability to develop indigenously Spiral Bevel Gears.

A large, red, industrial heat treatment fixture is suspended in a factory. The fixture is made of red metal and consists of a central vertical column with several horizontal bars. Each horizontal bar has several circular, serrated components attached to it. The fixture is hanging from a black metal frame. The background shows a factory setting with various equipment and a window. The text "in-house heat treatment facility" is overlaid on the image in white, sans-serif font.

in-house heat
treatment facility



quality assurance

Our products are manufactured to meet the quality standards and systems are developed such that at every manufacturing stage, product goes through necessary checks to verify the requirement. Raw material is procured only from reliable forgers passing through VD route only and is checked at for dimensional, Metallurgical and Non destructive testing.

We have in-house facility for heat treatment of gears and desired metallurgical parameters are achieved on most modern furnaces equipped with oxy-probe. Case depth, metallurgical parameters are checked for every charge and recorded . Test piece for every charge is preserved.



finishing and lapping

Gears are finished on most modern grinding machines and lapping is done with special lapping compound on PLC controlled most modern Gleason lapping with SPC (Swing Pinion Cone) action to improve surface finish resulting in noise free gears.





Finished goods are inspected as per specifications provided by Customer / International Standards. Highest level of quality is possible by imposing stringent measures starting from receipt of forgings to packaging stage. Tooth spacing, contact pattern noise level and backlash checks are performed using Gleason Testers and other related equipment. Finally it is the obsession with quality that has earned PLACEBO the privilege to supply gears to the OEM and various clients.

applications





we serve

Major Gearbox Manufacturers

Steel Plants

Mining Sector

Marine Industry

Paper Manufacturing

Thermal Power Plant

Cone Crusher Manufacturers



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