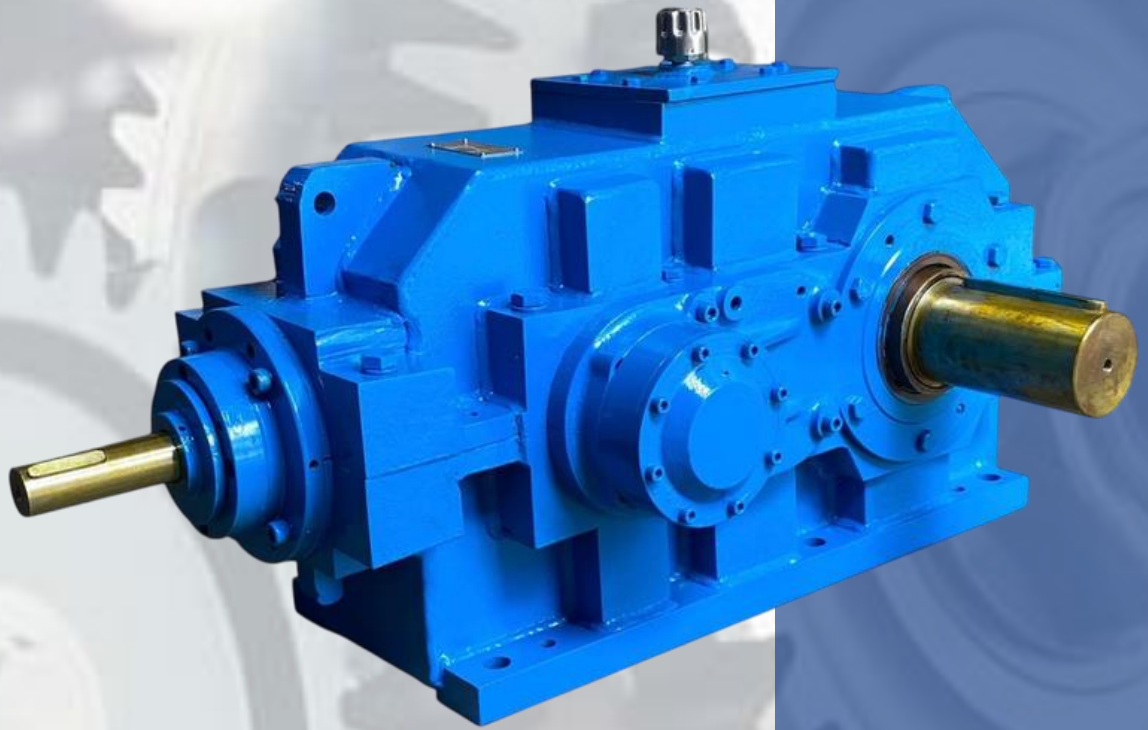


leading edge technocrat

Drive the world through edge technology

Gearbox



Sales | Refurbishment | Reverse Engineering | Services

Applications in industry

- Mining and Cement: conveyor belts, bucket elevators, crushers
- Power Generation: cooling towers,
- Plastics and Rubber: single-screw extruders
- Pulp and Paper: paper machines
- Food and Beverage: agitators, aerators

Your benefits at a glance

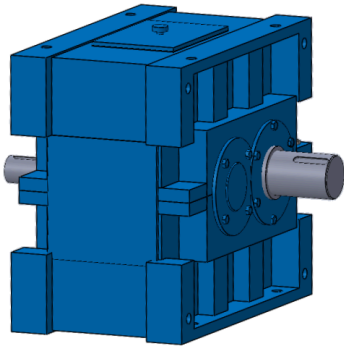
- Highest level of reliability and fail-safe operation
- Huge modular system for the optimal gear unit solution
- High mechanical efficiency
- Comprehensive accessory program
- Available as an individual gear unit or an Integrated Drive System

Industrial gear units is the right choice for your application

- Standard gear units can be installed horizontally
- Nominal torque range from 3100 to 1,00,000 N.m with more than 20 sizes
- Nominal transmission ratio from $I = 1.25$ to 450
- Flexible gear ratios to suit diverse speed and torque
- Built with high-grade materials for long-lasting durability in harsh environments.

TYPE OF GEARBOX HELICAL & BEVEL HELICAL

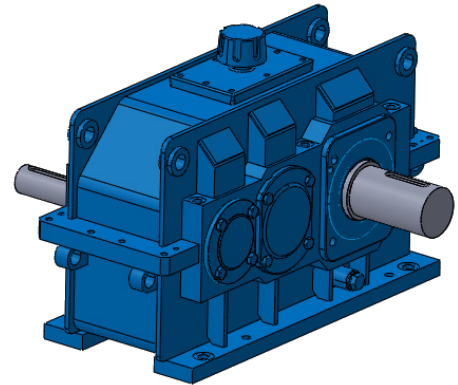
Single stage gearbox



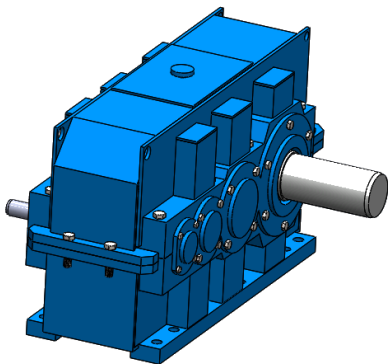
Single stage gear units
Ratio – 1.6 to 6.3
Gearbox rating – 7.5 kW to 1000 kW

Double stage gearbox

Double stage gear units
Ratio – 6.3 to 22.4
Gearbox rating – 6.5 kW to 1000 kW



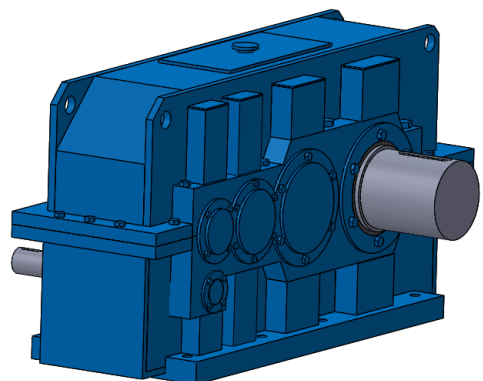
Triple stage gearbox



Triple stage gear units
Ratio – 14 to 112
Gearbox rating – 4 kW to 1250 kW

Quadruple stage gearbox

Quadruple stage gear units
Ratio – 112 to 630
Gearbox rating – 2.5 kW to 360 kW



Why choose techno make gearbox ?

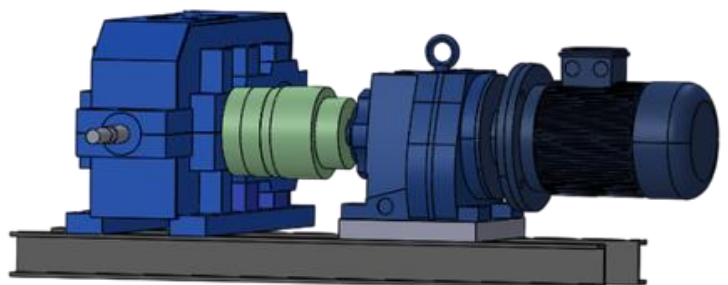
- Compact design with optimum power transmission capacity due to case hardened steels of highest strength.
- Long operating life
- Less noise vibration free
- Favorable delivery periods

Gearbox Accessories

GEARBOX WITH HOLDBACK



GEARBOX WITH OVERRUNNING CLUTCH



GEARBOX HOLLOW SHAFT WITH SHRINK DISC



GEARBOX WITH IN BUILT CENTRIFUGAL BRAKE & ORC



Gearbox Spares

Our spare parts are designed to be perfectly interchangeable with the genuine components, for classic mechanical gearboxes with manual control.

Hollow shaft with wheel



Pinion with matching wheel



Bevel pinion with bevel wheel & helical shaft



- ♦ We offer complete sets of gear internals precisely manufactured to suit your existing gearbox housing eliminating the need for full gearbox replacement.
- ♦ These internal components are engineered to match the original specifications and tolerances for a seamless fit and optimal performance.
- ♦ One of our key value additions is the ability to economically extend gearbox life through gear reversal techniques.
- ♦ This involves reversing gears to utilize the non-working (unused) flank significantly increasing operational life without full gear replacement.

GEARBOX CASINGS / HOUSINGS

Gearbox housings with exact dimensions to accommodate existing gear internals, bearings, bearing caps and in M.S. fabricated Housing.



Gearbox overhauling & refurbishments

We specialize in the refurbishment of industrial gearbox of any make, size, or capacity. Our process utilizes high-precision equipment and a team of highly trained engineers to restore your equipment to optimal performance.

BEFORE



AFTER



Our comprehensive service includes:

- ◆ Root Cause Analysis: Our engineers thoroughly analyze each gearbox to identify the exact cause of failure and recommend corrective actions.
- ◆ Full-Service Workshop: We collect the gearbox from your site and transport it to our fully equipped facility.
- ◆ Detailed Inspection: All components are carefully dismantled and inspected. We provide a detailed inspection report for your review.
- ◆ Precision Rebuilding: Upon your confirmation, we manufacture or repair the necessary parts and rebuild the gearbox with precision.



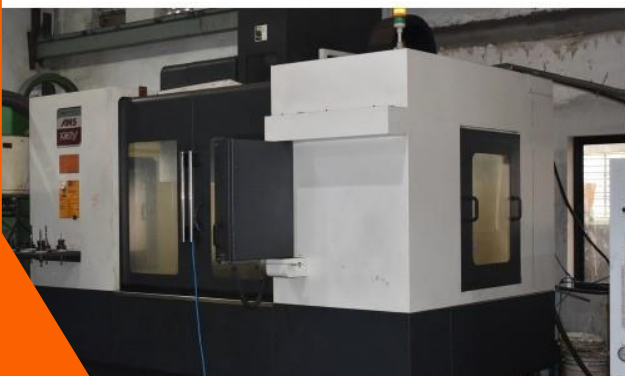
Reverse engineering capability

- ◆ Chemical composition and hardness check of material
- ◆ On site gear measurement by trained engineer
- ◆ Profile measuring to check gear geometry

Advantages with us

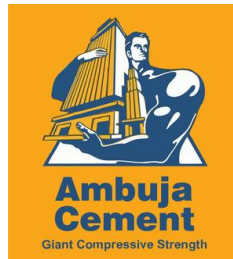
- ◆ Cheaper gear components compared to existing brand
- ◆ Faster delivery of components
- ◆ Cost saving solutions

Our plant is situated in Anand city of Gujarat state, we have an ultra-modern infrastructural set up. This infrastructure is categorized into several parts such as procurement, manufacturing quality control, production, warehousing and packaging. The manufacturing facilities are capable for delivering the highest standards in term of quality time and client satisfaction.



Our company philosophy is total customer satisfaction. To achieve this, our processes undergo continual refinement.

TRUSTED BY INDUSTRY LEADERS



Our gearbox are the choice of top industries nationwide.
Trusted for performance, precision, and reliability.