



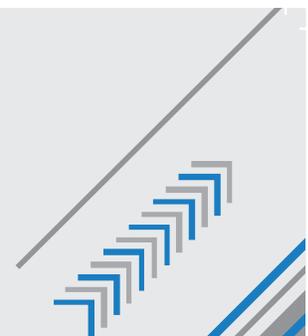
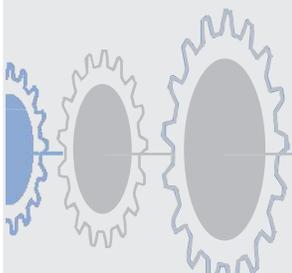
PREMIUM

Your addition in transmission

GEARED UP

to Innovate. Serve. Grow.





GEAREDUP

to Innovate. Serve. Grow.

Trusted transmission partner.

Premium is India's first indigenous industrial gearbox manufacturing company, serving the country for almost six decades now.

Today, our presence has spread beyond Indian borders to SAARC, South East Asia, Australia & New Zealand, Middle East & Africa, and Europe markets. To enhance our position in the fiercely competitive international market as well as cater to the growing needs of our domestic industries, Premium offers an extensive range of best-in-class products and solutions, backed by world-class Engineering & Design capabilities for innovative product development.

Partnering, from prototype to production.

Premium believes in partnering for progress. We work closely with customers, understand their needs, study their application challenges, and design customised power transmission solutions to meet and exceed expectations. Our Engineering & Design team, backed by our German experts from subsidiary at Hameln, Germany continuously strives to expand our product portfolio with innovative solutions to address the needs of markets.





Manufacturing Unit - I
Chinchwad, Pune



Manufacturing Unit - II
Falta, West Bengal

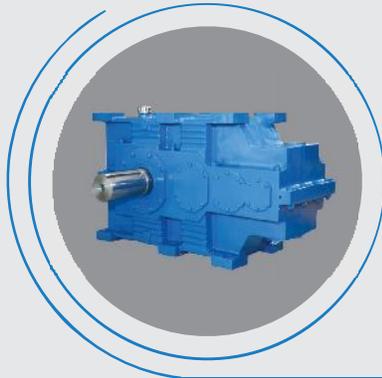


Manufacturing Unit - III & IV
Shendra, Aurangabad



Premium Stephan
Hameln, Germany





HELICAL GEARBOX

Case hardened and profile ground steel gears with inclined tooth to transmit the torque between parallel/right angle shafts with minimum noise.

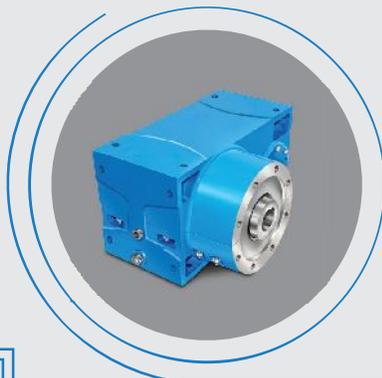
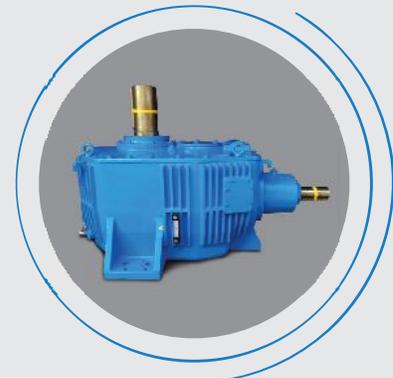
- Range** : Power range up to 8675 kW
Reduction ratio range up to max ratio 657 : 1
- Sizes** : From 80 mm to 1150 mm center distance
- Type** : Helical & bevel helical in horizontal/vertical models
- Applications** : Agitators, Conveyors, Crushers, Cranes, Larger Ball Mills, Mixers, Aerators, Coal Pulverizing Mills, Fin Cooler Drives, Kneaders, Thickeners
- Industries** : Sugar, Cement, Paper, Solvent Extraction, Rubber, Steel, Power Plants, Mines and Minerals, Chemicals



BEVEL HELICAL COOLING TOWER GEARBOX

Case hardened and lapped steel spiral bevel gears to transmit the torque between right angle shaft. Unicase design with pumpless lubrication and three-point foundation.

- Range** : Power range up to 650 kW
Reduction ratio up to 20.9 : 1
- Sizes** : From 140 mm up to 450 mm center distance
- Type** : 'PC' series and 'RC' series
- Applications** : Cooling Tower and Heat Exchanger application
- Industries** : Sugar, Cement, Paper, Solvent Extraction, Steel, Power Plants, Oil Rigs



EXTRUDER GEARBOX

The gear units are quite capable to transmit the high torque required for pressurising and plasticising moulding materials and also to absorb the high axial thrust load through built-in spherical roller thrust bearing. The axial bearing housing is standardised (for EP Series) and variable (for GHE Series) to accommodate suitable thrust bearings. Corresponding output shafts have provisions of key or spline fits.

- Range** : Power range up to 1410 kW
Reduction ratio up to 25.6 : 1
- Sizes** : From 112 mm to 355 mm center distance
- Type** : 'EP' series / 'GHE' series
- Applications** : Plastic Extrusion, PVC Extrusion, Rubber Extrusion
- Industries** : Plastic, Rubber

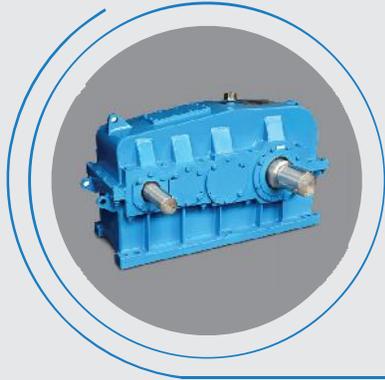


COAL PULVERIZING MILL GEARBOX

Bevel helical/Planetary gear units capable of taking large vertical downward thrust load. Cast iron/fabricated case designed to absorb excess vibration during running of mill.

- Range** : Power range up to 1200 kW
Reduction ratio up to 60 : 1
- Sizes** : From 760 mm to 1000 mm center distance
- Type** : 8.5 Ex/10P/12 E/12HT
- Applications** : Vertical Coal Pulverizing
- Industries** : Cement, Paper, Steel & Power Plants





CRANE DUTY GEARBOX

Case/through hardened and profile ground steel gears with inclined tooth to transmit the torque between parallel shafts with minimum noise.

- Range** : Power range up to 950 kW
Reduction ratio range up to 380 : 1
- Sizes** : From 125 mm to 1000 mm center distance
- Type** : Helical in horizontal vertical models
- Applications** : Main Hoist, Auxiliary Hoist, Long Travel, Cross Travel, Ladle Crane, Transfer Trolley, Level Luff
- Crane capacity** : Up to 600 Tonne



PINION STAND GEARBOX

Special helical for pinion stand gearboxes designed and manufactured to suit the customer's specifications. Case/through hardened and profile ground steel gears with inclined tooth to transmit the torque between parallel shafts with minimum noise.

- Range** : Power range up to 3000 kW
- Sizes** : From 125 mm to 850 mm center distance
- Type** : H1/H2/H3/B2/B3
Pinions stand type: 2HI & 3HI Pinion stand
CRS: 260, 275, 280, 300, 320, 340, 360, 380, 400, 460, 520, 600
- Applications** : Roughing Mill, Intermediate Mill, Finishing Mill, Pinch Roll, Leveling Straighter, Bridle Roll Gearbox, Scrap Shears Gearbox, Uncoiler, Recoiler

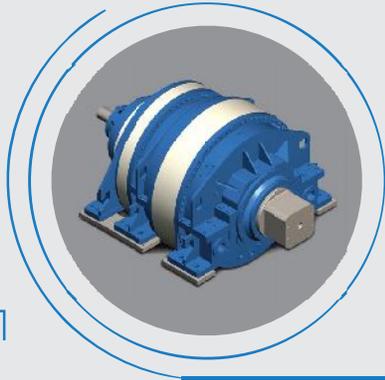


PLANETARY MILL DUTY GEARBOX

Premium makes Planetary Gearboxes for Mill Duty applications in Foot as well as Shaft Mounted configurations. These gearboxes are specially designed for Heavy Mill duty application with high bending (strength) & pitting (wear) safeties for the gears.

Sun, planet & internal gears are manufactured from High Alloy steel and are properly Heat treated. All Gear Profiles are Ground with Accuracy class DIN-6 for Optimized tooth root strength & minimum sliding contact to ensure high efficiency.

- Range** : Torque range up to 4500 kNm (foot mounted),
Torque range 55 kNm to 900 kNm (shaft mounted)
Reduction Ratio Range: 16 : 1 to 1600 : 1
- Type** : Available in Inline, Helical | Planetary,
Bevel+Helical+Planetary Combinations
- Applications** : Sugar: Top Roller, GRPF & TRPF Drives, Cane Carrier
Cement: Roller Press, Apron Feeder, Central Drive Cement Mill
- Industries** : Sugar and Cement

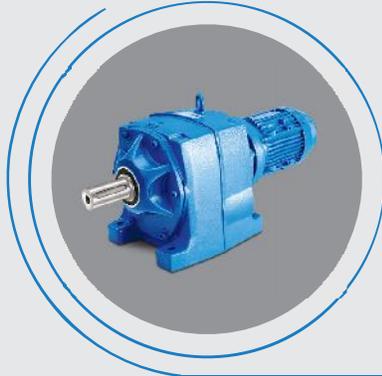


PLANETARY GEARBOX

Compact Planetary Gearbox series with high power to weight ratio. Modular construction with high interchangeability of parts and bearings. Rugged design with longer service life. Ease of maintenance.

- Range** : Torque range 1 kNm to 450 kNm
Reduction Ratio Range: 3.89 : 1 to 3164 : 1
- Applications** : Conveyors, Slew Drives, Wheel Drives, Concrete Mixers, Digester Drives, Wire Drawing
- Industries** : Cement, Steel, Sugar, Paper, Rubber, Construction Equipments, Cranes, Mining





PREMIUM STEPHAN GEARED MOTOR

World class quality based on the latest German technology. High power transmission-to-weight ratio facilitating easy handling. Being modular in design, can be used with any other standard motor.

Range	: Power range from 0.12 kW to 90 kW
Sizes	: From 25 mm to 120 mm output shaft diameter
Torque	: Up to 25000 Nm
Type	: Co-axial MI and MS Series
Applications	: Packaging, Mixing, Conveyor, Cranes, etc.
Industries	: Food Processing, Material Handling, Paper, Sugar, Cement, Pharmaceuticals, etc.



World-class quality based on the latest German technology. High power transmission-to-weight ratio facilitating easy handling. Being modular in design, can be used with any other standard motor.

Range	: Power range from 0.12 kW to 90 kW
Sizes	: From 30 mm to 90 mm output shaft diameter
Torque	: Up to 8000 Nm
Type	: Hollow Shaft (MP), Bevel Helical (MK) Series
Applications	: Packaging, Mixing, Conveyor, Cranes, etc.
Industries	: Food Processing, Material Handling, Paper, Sugar, Cement, Pharmaceuticals, etc.



WORM GEARBOX

The important features include substantial construction, combining rigidity with strength and high load carrying capacity with long life and reliable service

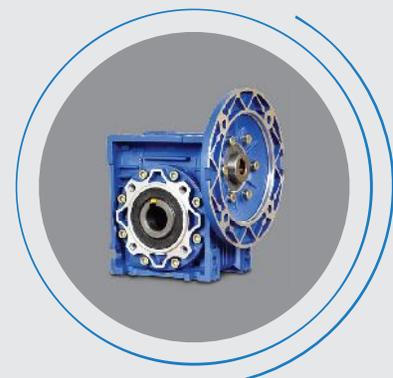
Range	: Power range up to 250 kW Reduction ratio range up to 4900 : 1
Sizes	: Up to 710 mm center distance
Torque	: Up to 1,65,000 Nm
Type	: Under Driven, Over Driven, Vertical Units in Single & Double reduction
Applications	: Conveyor, Ball Mill, Tubemill, Packing, Mixers, Agitators, Cranes, Winches, Folding & Hoisting
Industries	: Material Handling, Food, Processing, Aerospace, Packing & Labeling, Steel & other Process Industries



'ALM SERIES' ALTRA WORM GEARBOX

Die-cast Aluminium case, worm gear units with electric motor/mechanical variator in double stage suitable for power upto 15 kW.

Range	: Power range from 0.06 kW up to 7.5 kW Ratio range from 7.5 : 1 up to 1600 : 1
Sizes	: Center distance from 30 mm up to 150 mm
Torque	: Up to 900 Nm
Type	: Foot & Flange mounted versions
Applications	: Conveyors, Packaging, Loading, Automation
Industries	: Material Handling, Pharma, Packaging, Food Processing, etc.





CONSTANT SPEED FLUID COUPLING

Transmission of power through hydro kinetic energy in the stream of oil/water between the impeller & runner of the coupling. Fixed quantity of oil is used in the working circuit and delivers fixed speed on the output side.

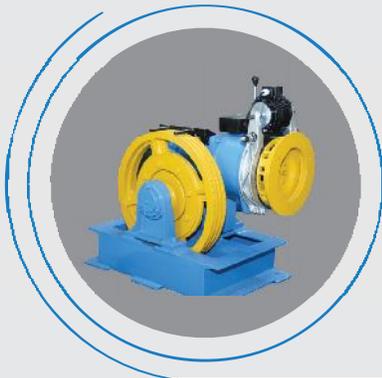
- Range** : Power range up to 1820 kW
- Sizes** : From 8" to 41" circuit diameter
- Type** : FCU, FP, DFC, DFP, PSS, HTC, AFC, SFC, SDFC, WDFC, SFU, STC
- Applications** : Conveyors, ID Fans, Ball Mills, Crushers, Slurry Pumps, Agitators, Cranes, etc.
- Industries** : Thermal Power Plants, Steel Industry, Cement, Mines, Chemical, Oil, Sugar, etc.



VARIABLE SPEED FLUID COUPLING

The amount of oil used in the working circuit varies during operation in order to vary the output speed and for clutching application.

- Range** : Power range up to 11000 kW
- Sizes** : From 370 mm to 1320 mm circuit diameter
- Type** : SCR, PST
- Applications** : Conveyors, ID Fans, Ball Mills, Crushers, Centrifugal Pumps, etc.
- Industries** : Thermal Power Plants, Steel Industry, Cement, Mines, Chemical, Oil, Sugar, etc.



GEARED LIFT MACHINE

- | | |
|-------------------------------|------------------------------------|
| Passenger capacity : 6 | Insulation Class : F |
| Rated load(kg) : 408 | IP Rating : IP 21 |
| Lift speed(m/s) : 0.65 | Traction Sheave |
| Gear Ratio : 41 : 1 | PCD(mm) : 530 |
| Electric motor Specs: | Rope Details : Ø10 x 3 nos. |
| Power(kW) : 3.7 | Roping : 1 : 1 |
| Speed(rpm) : 940 | Application : Elevators |





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GEARLESS LIFT MACHINE

Rated load(kg)	: 408	Number of Poles	: 20
Speed(rpm)	: 120	Rated voltage	: 400 Volt
Lift speed(m/s)	: 1.00	Rated Current(Amp)	: 8.1
Traction Sheave		Rated Output Power(kW)	: 3.0
PCD(mm)	: 320	Rated Frequency(Hz)	: 20
Rope Details	: Ø8 x 4 nos.	Rated torque(Nm)	: 240
Roping Ratio	: 2:1	Application	: Elevators

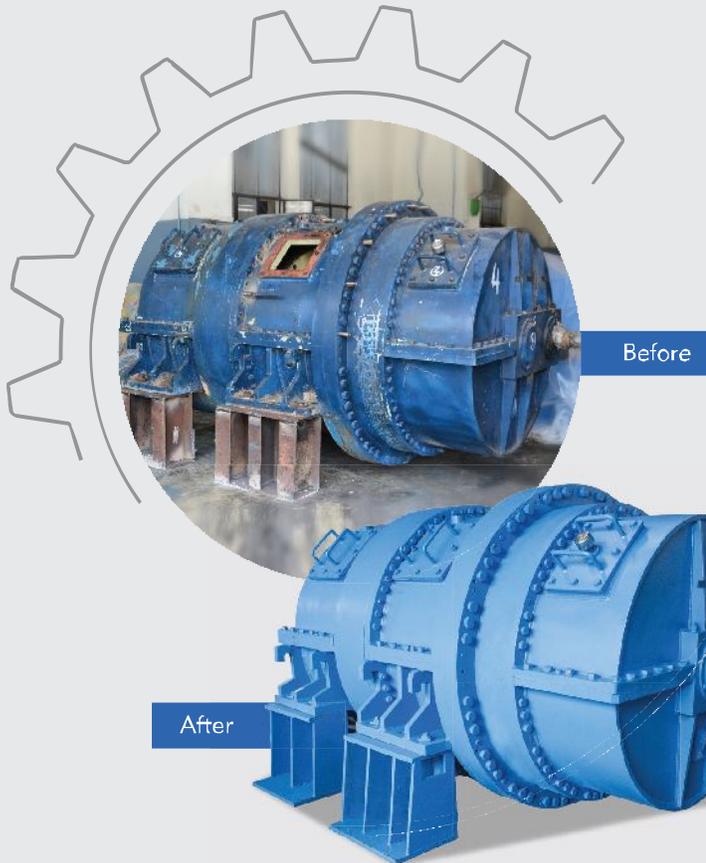


COMPLETE DRIVE SYSTEM / POWER PACKS

Perfectly engineered compact drive solutions from a single source. Comprising of motor, fluid coupling, main gearbox, auxiliary geared motor, brakes, clutch, base frame.

Applications : Conveyor Drives, Bucket Wheel, Drives, Centrifugal Fan & Pump Drives, Null Drives, etc.





PREMIUM

CARE

One stop solution for overhauling and reconditioning of gearboxes, geared motors, fluid couplings and lift machines of any make.

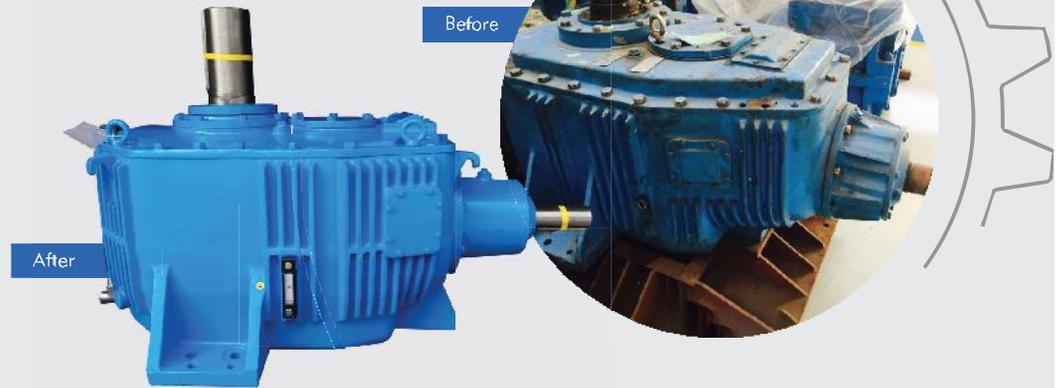
To enhance our aftermarket support, Premium Transmission, the leader in industrial gearboxes, geared motors, fluid couplings and lift machines has officially inaugurated its dedicated Service Centres across India and Germany. We intend to provide a one-stop solution to all our valued customers through these state of the art service centres that focus on servicing, reconditioning and overhauling.

We believe that Premium Care will set new benchmarks in service efficiency and will unfold immense potential for the customers we serve. Premium Care promises to improve reliability of existing machines, thereby improving their overall equipment efficiency and enhance the life of the equipment. This helps to overcome capital budget constraints and also increases the resale value of ageing machines.

What Premium Care offers:

1. Speedy servicing and revival of industrial gearboxes, geared motors, fluid couplings and lift machines of any make at the most competitive prices
2. Design and manufacturing of internals of existing make of products
3. Optimum performance assured on the repaired products
4. Premium's experienced service team that works in partnership with customers in terms of inspection, diagnosis and servicing for planned maintenance or breakdown
5. Warranty on our services and spares



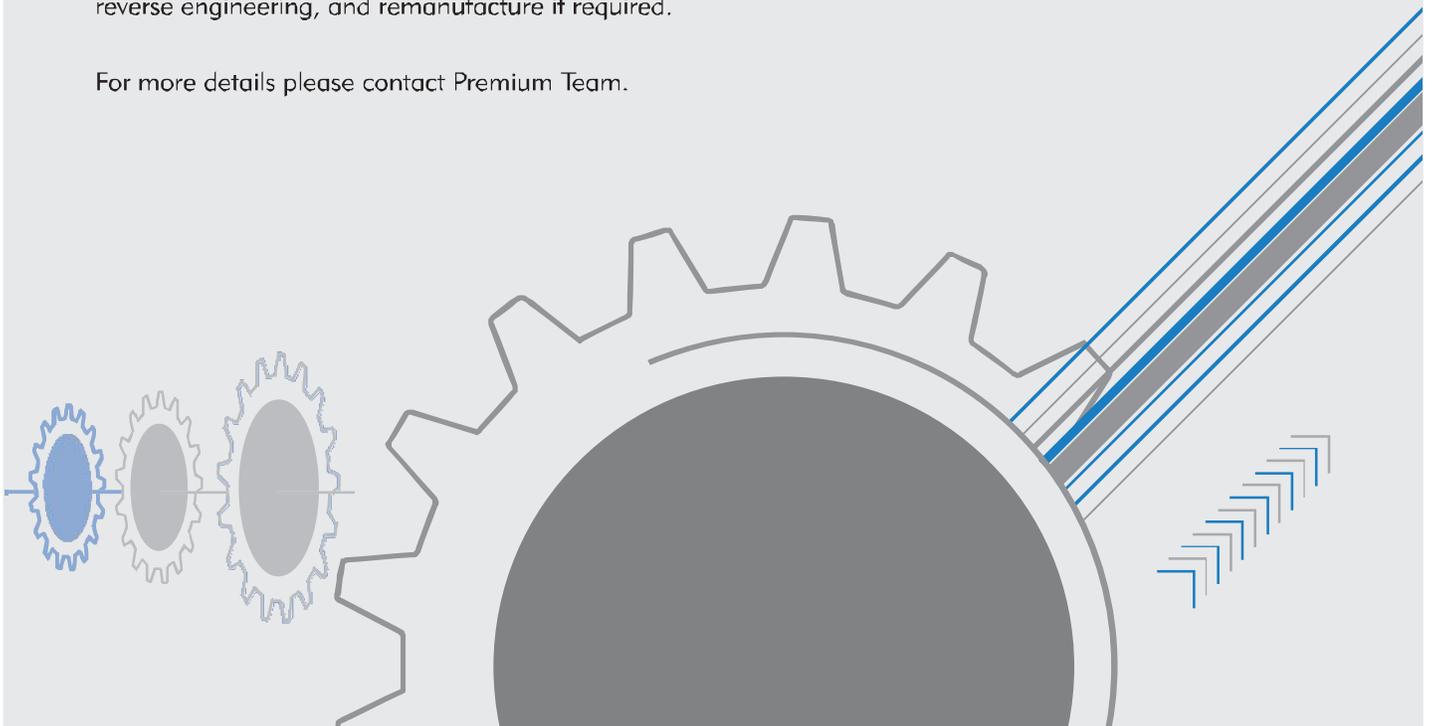


Why choose Premium Care?

For the past 6 decades, Premium Transmission offers engineering excellence and expertise in the field of design and manufacturing custom built gearboxes, geared motors, fluid couplings and lift machines for application across industry spectrum. We possess global technological know-how for gearboxes, geared motors, fluid couplings and lift machines, along with state of the art facilities for overhauling and reconditioning of these products, regardless of the make.

Our well-trained, highly experienced and committed teams have thorough knowledge of the standards and specifications, with the right expertise of tools to address every aspect of refurbishment, right from diagnostic work to the final adjustments. With the correct knowledge of re-installation of components, we have proven experience of critical application gearbox refurbishment, which allows us to repair almost anything, or do reverse engineering, and remanufacture if required.

For more details please contact Premium Team.





PREMIUM

Your addition in transmission

Premium Transmission Pvt. Ltd.

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Tel.: (+91-20) 66314155

Enquiries :

sales.enquiry@premium-transmission.com

