



"PETRA" LIFT MACHINE

Petra lift machine units of substantial construction, combining rigidity and compactness in a single traction unit with monobloc gearbox casing that houses motor, brake, sheave pulley etc.

Range	Up to 15 passengers
Sizes	Petra 141, 142, 161, 162, 163 speed up to 1.5 metre per second
Applications	Elevators
Industries	Lift



APPLICATION SPECIFIC UNITS

Special Worm gearboxes like Duplex Worm gearbox, tyre curing press, luffing gear units, screw jack units are designed and manufactured to suit the customer's specifications.

Range	Power range up to 150 kW
Sizes	From 710 mm centre distance
Applications	Tube Mills, Tyre Curing Press, Luffing Gear Units, Screw Jacks



VARIABLE SPEED FLUID COUPLING

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

Range	For power up to 11000 kW
Sizes	From 14" to 52" 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.



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	For power up to 1500 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.



OPEN GEARING

Premium Worm Gears are manufactured out of case hardening steel, accurately generated, ground and super finished using latest machinery available in the industry.

Premium Worm Wheel comprises centrifugally cast phosphorous bronze rims of substantial section shrunk fitted and welded to a rigid centre.

Range	Customer Specific
Sizes	Up to 710 mm centre distance



PREMIUM

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Greaves Gears
Profit Through Premium

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Profit Through Premium



**PREMIUM
ENERGY
TRANSMISSION
LIMITED**

Greaves Gears have been the leaders in power transmission for over four decades now, always keeping ahead by setting new benchmarks in quality, product design and value for money to the customers. Highly reliable, fit & forget technology ensures long lasting, hassle free performance. Manufactured in modern, ISO 9001:2000 certified plants, Greaves Gears reach the customer through an extensive branch and dealer network that ensures unmatched application and service support.

Over a million gears operating in India and the world over constitute the most complete range to suit every requirement. Under 'Premium', with greater focus and new technology initiatives, Greaves Gears are set to redefine their leadership yet again.



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 5500 kW Reduction Ratio range up to 650 : 1
Sizes	From 125 mm to 850 mm center distance
Type	Helical & Bevel helical in horizontal/vertical models
Applications	For applications > 50 kW Agitators, Conveyors, Crushers, Cranes, Larger Ball Mills, Mixers, Aerators, Coal Pulverising Mills, Plastic Extruders, Fin Cooler Drives, Kneaders, Thickeners
Industries	Sugar, Cement, Paper, Solvent Extraction, Rubber, Steel, Power Plants, Mines and Minerals, Chemical



BEVEL HELICAL COOLING TOWER GEARBOX

Case Hardened and Lapped steel spiral bevel gears to transmit the torque between Right Angle shaft. Unicas design with Pumpless Lubrication and three-point Foundation.

Range	Power range up to 600 kW Reduction Ratio up to 15.4 : 1
Sizes	From 140 mm to 450 mm center distance
Type	'B' series and 'ABM' series
Applications	Cooling Tower and Heat Exchanger Application
Industries	Sugar, Cement, Paper, Solvent Extraction, Plastic, Steel, Power Plants, Mineral Processing



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 to accommodate suitable thrust bearings and corresponding output shafts with key are splined.

Range	Power range up to 500 kW Reduction Ratio up to 25.6 : 1
Sizes	From 112 mm to 450 mm center distance
Type	Single screw & twin screw extruder
Applications	Plastic Extrusion & PVC Extrusion
Industries	Plastic Industry



COAL PULVERIZING MILL GEARBOX

Bevel helical gear units capable of taking large vertical downward thrust load. Cast Iron Case designed to absorb excess vibration during running of mill.

Range	Power range up to 400 kW Reduction Ratio up to 25 : 1
Sizes	From 760 mm to 1000 mm center distance
Type	8.5 ES / 8.5 Ex / 10P (2/3 stage)
Applications	Vertical Coal Pulverizing
Industries	Cement, Paper, Steel & Power Plants



HIGH SPEED HELICAL GEARBOX

Case hardened and Profile ground Steel Gears with inclined tooth to transmit the torque between parallel shafts with minimum noise for input speed up to 10000 RPM

Range	Power range up to 5500 kW Reduction Ratio range up to 125 : 1
Sizes	From 125 mm to 850 mm center distance
Type	Helical in horizontal models
Applications	For applications > 50 kW Larger Ball Mills, Steam Turbines, Sugar Mills, Power Generators
Industries	Sugar, Cement, Paper, Power Plants



OPEN GEARING

Premium Helical Gears are manufactured out of high quality alloy case hardened steel. The gears are case carburised using the latest gas carburising processes. The gears are profile ground to finish up to DIN Class 2 using the latest form grinders in the industry.

Range	Customer Specific
Sizes	Up to DIN Class 2
Type	Case Carborised & Profile Ground Helical Gears 58 ± RC
Applications	Marine, Windmill, Turbine Gears



PREMIUM INTELLI POWER GEARED MOTOR

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

Range	From 0.12 to kW to 55 kW
Sizes	From 16 mm to 110 mm output shaft diameter
Type	Co-axial (I&S), Hollow Shaft (DX), Bevel Helical (KX) series
Applications	Packaging, Mixing, Conveyor, Cranes, etc.
Industries	Food Processing, Material Handling, Paper, Sugar, Cement, Pharmaceuticals, etc.



"ALM SERIES" ALTRA WORM GEARBOX

Range	Power range from 0.06 kW up to 7.5 kW Ratio range from 7.5 : 1 up to 100 : 1
Sizes	Centre Distance from 30 mm up to 130 mm
Type	Worm - Available in Foot & Flange mounted versions
Applications	Conveyors, Packaging, Loading, Automation
Industries	Material Handling, Pharma, Packaging, Food Processing etc.



PLANETARY GEARBOX

Range	Power range up to 7,00,000 Nm
Sizes	Up to 2000 mm Dia
Applications	Slewing, Winding, Mill duty, Miner, Wheel Drive
Industries	Construction Equipment, Cranes, Windmill, Sugar, Cement, Power Plants, Mining equipments



WORM GEARBOX

The important features include high efficiency and load carrying capacity combined with long life and reliable service.

Range	Power range up to 250 kW Reduction Ratio range up to 4900 : 1
Sizes	Upto 710 mm centre distance
Type	Under Driven / Over Driven / Vertical Units in Single & Double reduction
Applications	Conveyor, Material Handling, Ball Mill, Agitators, Cranes
Industries	All Process Industries