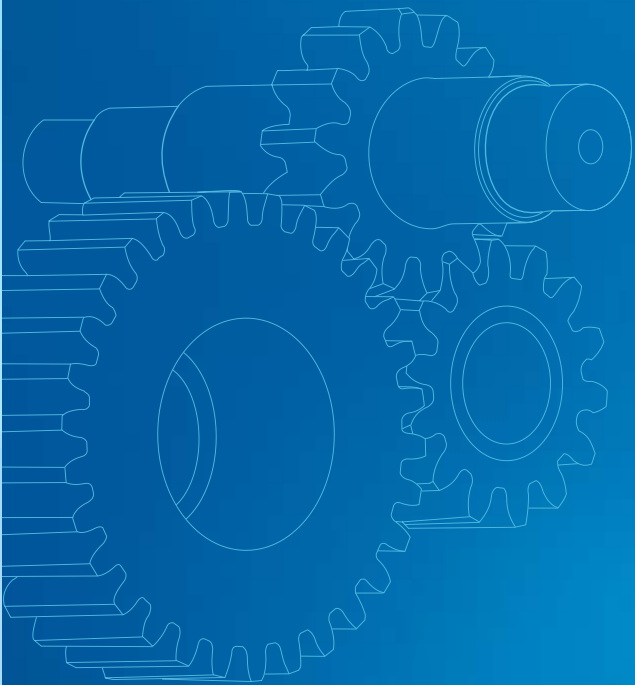


Gearing for future with a brilliant past





Manufacturing Process

Gear Cutting

Spur and Helical gears are hobbled on imported Swiss and German machines like MIKRON, WOTAN, Dowding & Doll, etc.

Internal Spur Gears are cut on TOS/Fellows Gear Shaper.

Straight Bevel Gears are cut on Gleason Generators. This system of cutting ensures high productivity and good surface finish.

Splines are hobbled on imported Spline hobbing machines and threads are milled on imported special purpose thread milling equipment.

Spiral Bevel Gears are cut on MIKRON & Gleason Generators.

Worm & Worm Wheels with single start & multi start are cut on MIKRON machines, Thread Milling machines & Reinecker machine.

Cutter blades are re-sharpened radially and axially on special purpose cutter sharpening devices.

Grinding

In our recent expansion program we have added the facility for grinding. Internal, external, splines & other types of gears.

Heat Treatment

Various heat treatment facilities are available including Gas Carburising, Hardening, Tempering, Induction Hardening, Gas Nitriding, Flame Hardening, etc.

Lapping

To ensure smooth and quiet running, the Gears and Pinions are lapped after hardening. Lapping is accomplished by running mating pairs together in a lapping machine and feeding a liquid abrasive compound under pressure into the gear pair. The compound removes small amounts of metal as the gears rotate, thus refining the tooth surface and achieve desired contact pattern.



Quality Assurance



In-Process Quality Checks
Gear Testing & Inspection
Metallurgical and Chemical analysis



Fully Assembled and Tested Drive Systems



Custom Gearboxes Manufactured and
Completely Assembled
Gearbox Testing & Inspection



Our Manufacturing Range

Gear Cutting Type	Diametral Pitch(Module)	Diameter inch
External Spur	20 to 1(1.3 to 25)	5 to 50
External Helical	20 to 1 (1.3 to 25)	5 to 50
Internal Spur	20 to 1.5 (1.5 to 17)	3 to 20
Internal Helical	20 to 2 (1.3 to 13)	3 to 20
Spined & Spur Shaft	64 to 1.5 (0.4 to 17)	.375 to 10
Internal Spline	64 to 1.5 (0.4 to 17)	.375 to 50
Tapered Serrations	-	1 to 7
Straight Bevel	16 to 1.25 (1.6 to 20)	1 to 24
Spiral Bevel	16 to 1.10 (1.6 to 23)	1 to 24
Hypoid Bevel	12 to 1.10 (2.1 to 23)	1 to 24
Zerol Gear	16 to 1.10 (1.6 to 23)	1 to 24



We design and manufacture all types of
GEARS & GEAR BOXES
as per customers' requirements under strict quality vigil



Manufactured on
MIKRON, DOWDING & DOLL, WOTAN Hobbers
Gleason Generators, TOS Gear Shaper and
other sophisticated machines

Our Range Includes:

- Spur Gears
- Helical Gears
- Sprockets
- Timing Pulleys
- Bevel Straight and Spiral
- Worm & Worm wheels
- Rack & Pinion
- Customised Gear Boxes

Our strength
Total quality consciousness
Eagerness to meet challenges
Meticulous attention to customer's requirements



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