



INVOLUTE TOOLING CORPORATION

Manufacturers of Drives and Transmissions

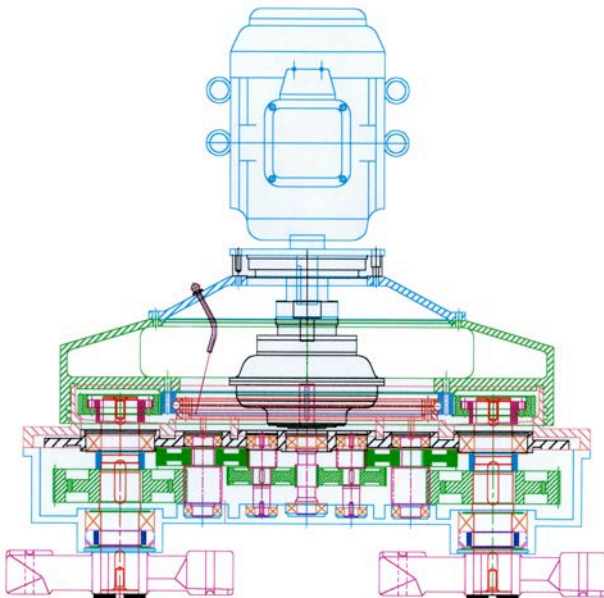
Planetary Counterflow Mixer Gearbox

The Involute planetary concrete mixer gearbox is an outcome of specialized product development for the needs of the growing construction industry worldwide.

The gearbox works on the principle of counter flow mixing due to a rotating star rotor along with a rotating side scraper, which mix the raw materials to produce concrete with high homogeneity and quality within minutes!

To ensure the high quality of the gearbox, all gears and slewing rings are manufactured in-house. The gears are hardened and ground. The slewing ring raceways are hardened to ensure longer life. Heavy-duty bearings are used to ensure the gearbox withstands the high loads.

An oil sump tank within the gearbox absorbs heat and keeps the gearing well lubricated. Provisions are made for installation of side scrapers on each gearbox.



The gearbox with its cast iron housing and robust construction, can withstand continuous operation for years.

Currently operational at several locations worldwide, the gearbox is a perfect and economical solution for a ready mix concrete plant.

Accessories Available: Star rotors, motor mount and fluid coupling for overload protection.

Applications: Concrete ready mix, blocks, bricks, roof tiles, pipes, asphalt mixing, glass, ceramics etc.

Benefits:

- Planetary action of star rotors produces highly homogeneous concrete within minutes
- Suitable for all grades of concrete
- Easy assembly on the mixer pan
- Low noise & highly efficient gearing
- Heavy duty bearings & triple oil seals
- Durable and robust construction with easy maintenance

Model	CMG750	CMG1500
Maximum Input (lit.)	750	1500
Output Capacity (lit.)	500	1000
Max. Motor Power Input (kW)	30	60
Number of Star Rotors	1	2
Nominal RPM of Slewing Body Nominal RPM of Star Rotors	12 36	10 36
Number of Side Scrapers (Installation Provision)	1	2
Sweep Diameter (mm)	1400	1800
Weight (kg)	1200	2300

Other Construction Industry Drives

Shaft Mounted Speed Reducers

Slewing Rings

Worm Drive Slewing Rings

Twin-mix Planetary Drives

Transit Mixer Gearbox

Geared Exciters

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