



**POWERGEAR™**

**INVOLUTE POWERGEAR PVT. LTD.**

(FORMERLY INVOLUTE TOOLING CORPORATION)

ISO 9001-2008 Certified Systems

**Manufacturers of Drives and Transmissions**

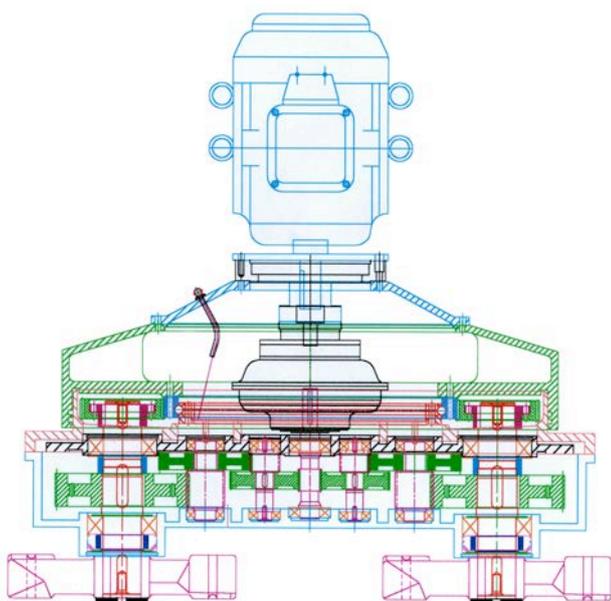
### Planetary Counterflow Mixer Gearbox

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 housings are manufactured in-house. The gears are hardened and ground. 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 without any need for external cooling. 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 mounting flange, flexible coupling or 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 mixture 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	CMG500	CMG750	CMG1500
Maximum Input (lit.)	500	750	1500
Maximum Input (kg.)	750	1200	2400
Output Capacity (lit.)	330	500	1000
Motor Power Input (kW)	5.5 - 11	18 - 30	45 - 60
RPM of Slewing Body RPM of Star Rotors	13 39	12 36	10 36
Number of Star Rotors	1	1	2
Number of Side Scrapers (Installation Provision)	1	1	2
Sweep Diameter (mm)	~1500	~2000	~2800
Weight (kg)	450	1200	2300

**Unique Five-Year Guarantee on All Counterflow Gearboxes**

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