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RENOLD
Superior Gear Technology

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Food Industry Drives

Reliable gear units



RENOLD
Superior Gear Technology

www.renold.com

Renold has been supplying gearboxes to the food industry for over 100 years. The name Renold is synonymous with high efficiency drives which utilise the latest technology and are designed for a long life with minimum maintenance requirements. Renold products far exceed the requirements of the industry.

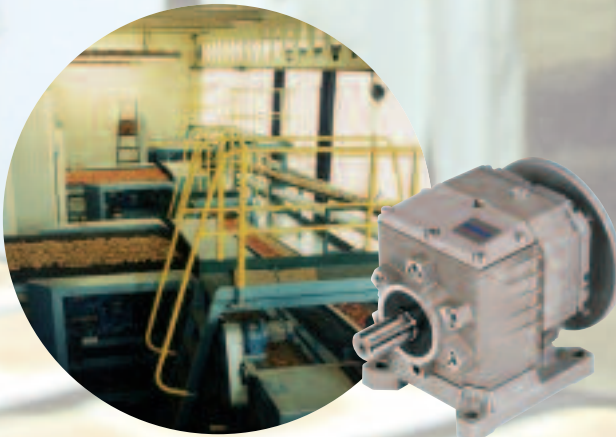
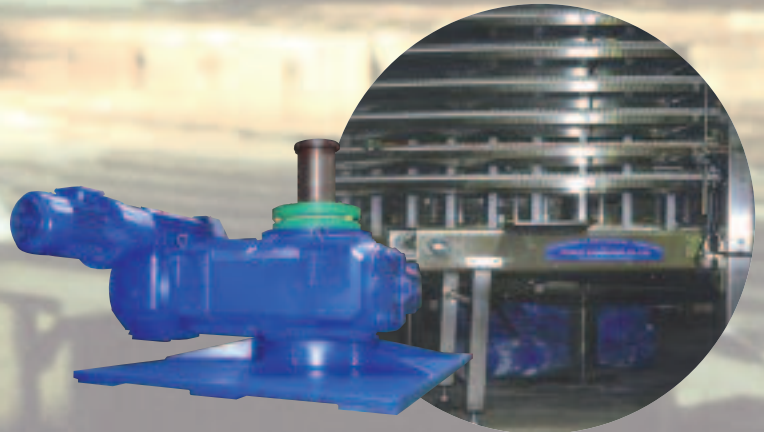


Oven/Prover Drives

A large WM or small TW wormgear is specified on drives in bread making bakery equipment. They are used at low output speeds to drive conveyors which either prove the dough (allow to rise) or bake the dough in the oven.

Spiral Cooler

Following the baking of bread or buns, a period of cooling is required prior to packaging. This is carried out in a cooler. A spiral vertical cooler saves a great deal of space in the bakery. A vertical drive shaft TW unit fitted with a first stage helical or wormgear is fitted to the base of a spiral cooler. The unit supports the weight of the cooler as well as rotating the cooler.



Conveyors

Conveyors are used to transport ingredients at all stages of the process. In-line helical geared motors RP are ideally suited for this application.

Mixers

Most processes in the food industry require mixing of the primary ingredients. Since the gearbox fitted to power the paddle is fitted on the top of the tank it is imperative there is no leakage from the gearbox system. Dry well systems of the PM and TW series ensure the lubrication oil is secure.





RP Series

In-line helical geared motor and speed reducer units with ratios of up to 363:1 and 22kW capacity.

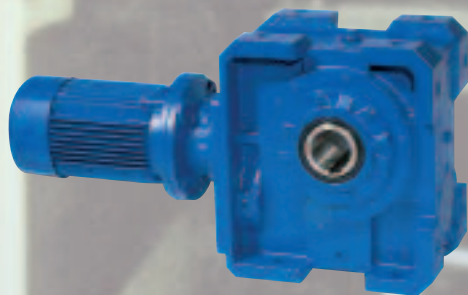
- Designed to European standard, interchangeable without re-engineering.
- Direct mounting of IEC and NEMA Motors.
- Single, double or triple reduction.
- Full range of conversion feet and alternative shaft dimensions available.
- Motorised and speed reducer versions.
- Supplied with lubricant from the factory.



TW series

Worm gear unit for arduous applications with 10" to 28" centre distances. Power capacities up to 1361kW.

- Available as single and double reduction units.
- Variety of unit types enables flexibility with mounting positions - underdriven, overdriven, vertical, shaft mounted and agitator types available.
- Unique Holroyd tooth form provides high efficiency and long product life.
- Interchangeable external dimensions with many other deleted makes.
- Enhanced sealing options available on all sizes for hostile environments.
- Heavy duty design suitable for high torque applications.



PM series

This series of gear units is available as a:

- single worm unit - type PW,
- helical/worm unit - type PH,
- helical/bevel/helical unit - type PB.

The range offers the ultimate in versatility and durability with a modern compact design which allows direct mounting of standard IEC and NEMA motors.

Available in 6 sizes with power capacities up to 84kW and gear ratios from 5:1 to 333:1.

- Motorised and speed reducer types available.
- Case design allows variable mounting options - foot, flange and shaft mounting available.
- Long life synthetic lubrication.



Gearbox Service and Refurbishment

- Renold undertakes, with the same exacting standards, repair of all makes and types of industrial gearboxes: helical, bevel helical and wormgear.
- Only Renold has instant access to historical records enabling us to save you time and money by quickly identifying and replacing worn out or damaged components. Dedicated internal sales staff ensure a fast and personal service.
- Planned maintenance downtime with pre-manufactured bespoke gearing components.
- Reverse engineering of non Renold components ensures correct specification components are fitted without compromising quality.