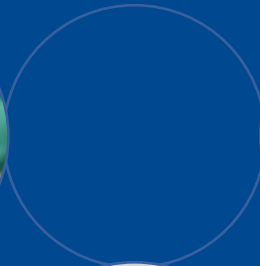


Chocolate and Confectionary



RENOLD
Superior Chain Technology

Renold

Unique quality and safety



Leading edge technology

Renold provides practical cost effective solutions, with a commitment of value through quality. This is achieved by continuous investment in people, process technology and manufacturing.

Consistent reliability

Renold's 100 years of experience in the design and manufacture of power transmission products, to the highest specifications, with proven performance in diverse industries worldwide, underwrites the guaranteed quality and the assurance of reliability.

Package solutions

One stop for your drive systems, including roller and conveyor chain, gears, motors, couplings, variators and fabricated bases.

Service excellence and care

Renold offers a unique level of service excellence and customer care. Our experienced applications engineers will select the optimum solution with the aid of the latest computer and design technology. Renold is the name for service, care and peace of mind.

Special solutions and innovations

Renold is recognised throughout the industry for its capability to create specific solutions to customers' unique requirements. International companies and industries from steel to food processing to escalators to textile machinery have chosen Renold to solve their problems.

Local and international availability

The Renold organisation stretches world-wide.

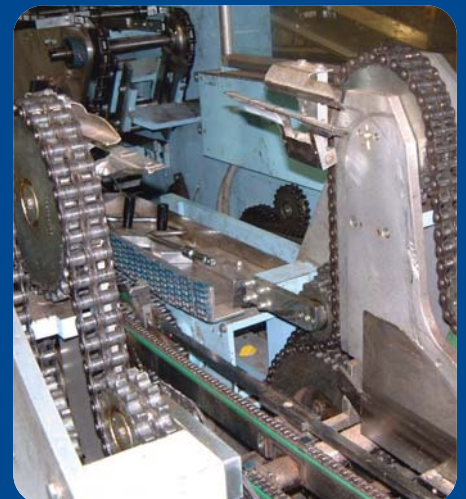
- 18 National Sales Companies
- Over 70 Overseas Distributors offering the comprehensive Renold range of power transmission products, directly or through local distributor networks

Chain for Confectionary Production

Renold supplies a comprehensive range of chain to meet the demands of manufacturing confectionary products. Environmental requirements such as

hygiene are catered for as well as considerations such as corrosion and wear resistance.

Standard and non-standard attachments are available to suit your needs. Renold has the experience to provide products and support to keep your high volume production lines operational.



Renold has the answers

Renold helps you to avoid costly downtime.

Renold helps you to reduce waste chocolate.

Renold provides a whole range of chain solutions.

RENOLD Synergy™

Renold Synergy

- High performance, long lasting roller chain
- Unbeatable wear and fatigue resistance
- Virtually dry-to-the-touch
- Easy to handle and install



RENOLD Syno™

Renold Syno

- The leading maintenance free chain range
- Does not require relubrication
- Dry-to-the-touch
- Used worldwide in food industry



Renold takes care of everything



Hydro-Service
Superior corrosion resistance



Stainless Steel
Tried and tested



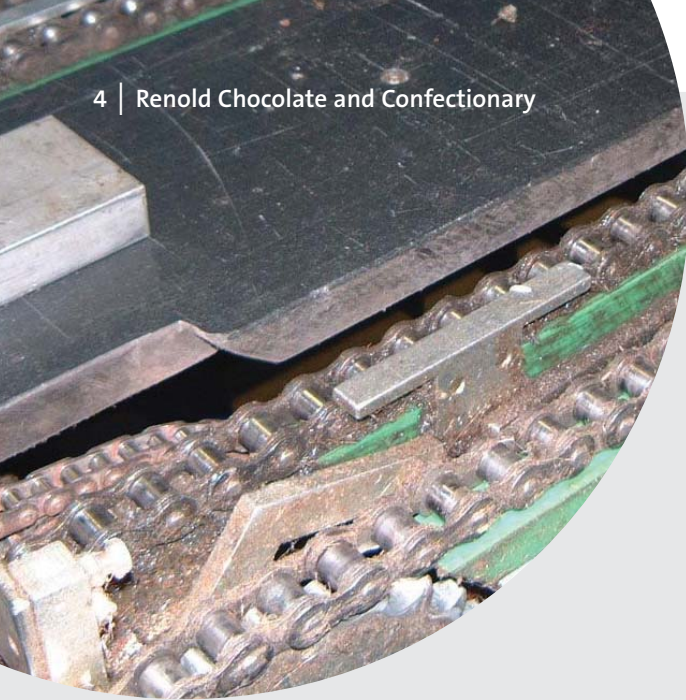
Klik-Top
Tough and easy to install



Attachment chain
Widest variety, anything you need

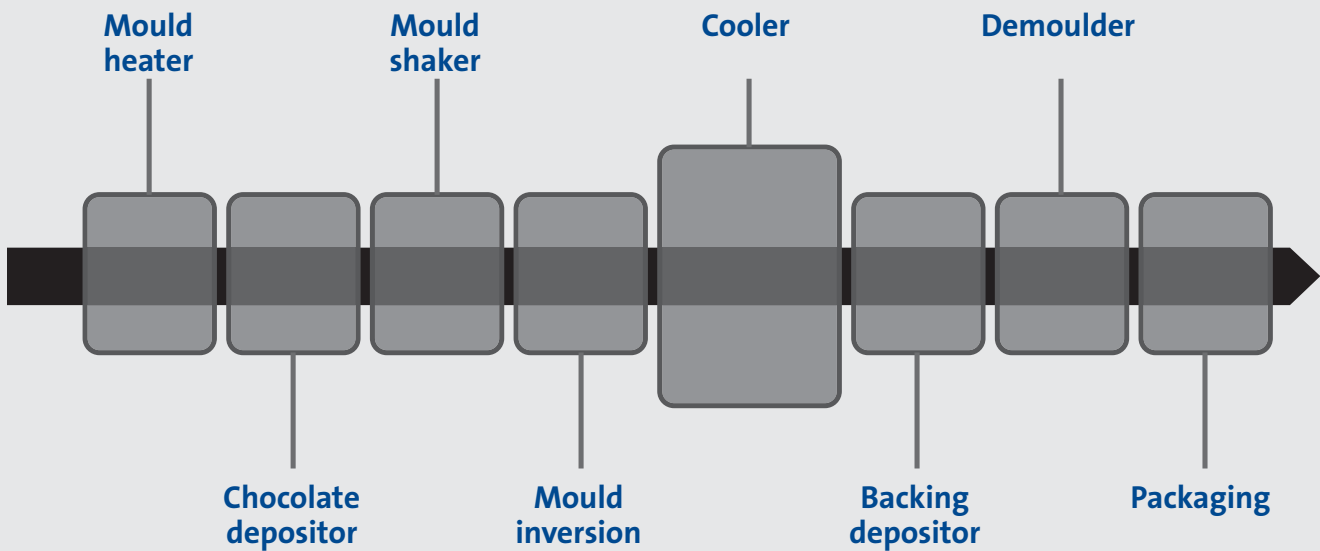


Lubrication options
Food industry-approved options available

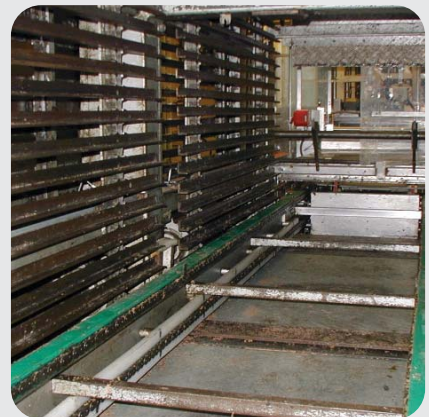
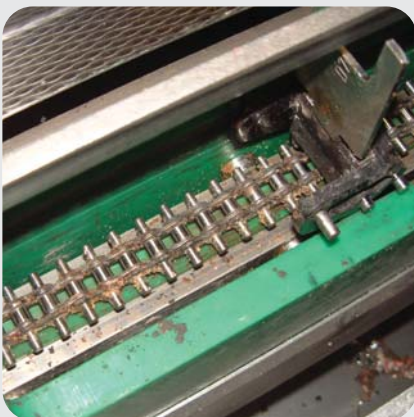


At every stage of the process Renold provides exactly what you need.

Precision in our chain ensures accurate indexing of moulds along a production line, minimising waste chocolate.

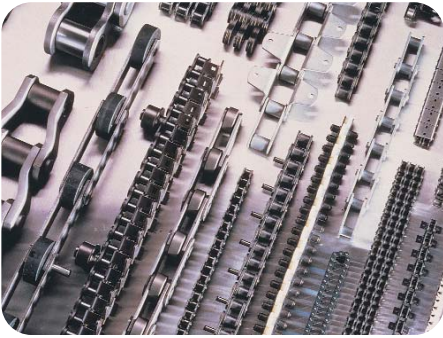


We don't just provide products that make a difference; you get the best services from Renold too!



Services

We're not just here to sell you chain; we can help you increase your efficiency in many ways.



Onsite Consultation & Specification

- Expert advice & assistance
- Calculations based on your application
- Technical advice on torque, force and loads
- Customised solutions and savings assessments



Site Surveys

- Personalised CD of your chain inventory
- Helping you clarify your specific chain requirements
- Consolidating your purchasing efficiency
- Simplifying your inventory
- Working in partnership with customers
- Reducing onsite maintenance costs & time



Attachment chain

Whether you need standard attachment chain or attachments for Renold Synergy and Renold Syno, we have the capability to replicate any attachment form and can provide bespoke solutions.



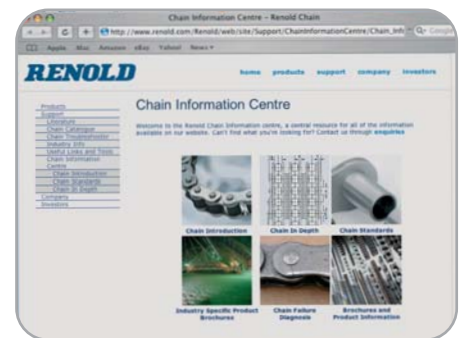
Condition Monitoring

- Analyse the performance of your drives
- Unique technology to Renold
- Electronic data logging
- Ensures optimum drive set-up



Technical / Design Helpline

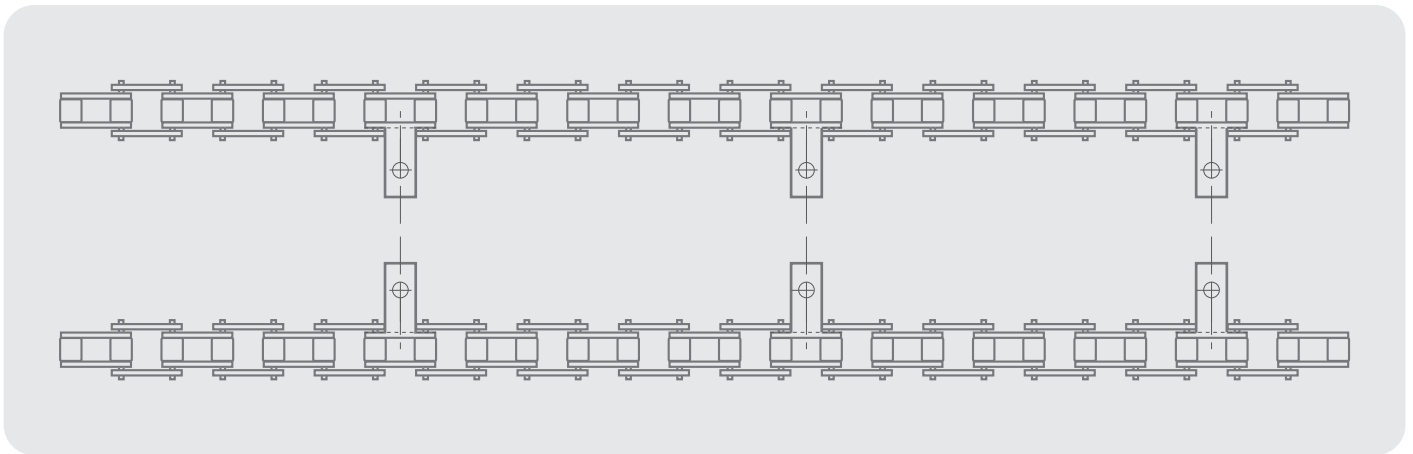
- Talk to us about your application requirements
- Experienced engineers to answer your queries
- Experienced in 1000's of applications - including yours!



Online Chain Training Centre

- Chain information tailored to differing knowledge levels
- Basic principles explained
- Useful tips and considerations

Accuracy



Renold have developed **Confectionery Chain Matching**, which is for use when simultaneous operation(s) need to be carried out at different positions in a drive. An example of this would be chocolate moulding machinery, where 2 parallel chains are generally used to transport a large number of moulds through the system. In this application it is necessary for the chain to

simultaneously co-ordinate the position of the mould at several different stages.

For example, while one mould is being filled with chocolate, another mould, which could be several hundred feet of chain away, is being emptied after cooling. In order to ensure proper deposition of the chocolate and release from the moulds it is essential that the moulds stop in

exactly the right place once the machine is set up. In these applications the uniformity of chain length over any given section of its length is essential.

When you need chain for an indexing application like this, our quality control delivers exactly what you need.

Condition Monitoring

The importance of correct system set-up cannot be taken for granted

- Correct chain specification
- Alignment of shafts and sprockets
- No obstructions within the system

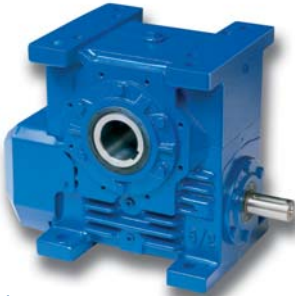
Data logging technology unique to Renold can diagnose any problems that may be occurring and shed light on possible solutions.

Smartlink data logger recording the performance of a mould indexing line.



Industry

Gears, clutches and couplings



WM series

WM Series is available with imperial 4" - 9" centres and metric 100mm - 200mm centres, with ratios of 5:1 to 70:1 as a single reduction unit and 75:1 to 4900:1 as a double reduction. Foot, flange and shaft mounted types available.

- Heavy duty version for demanding applications
- Unique Holroyd tooth form for high efficiency and product life
- Integral sprag clutch holdback for safe running



RP Series

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

- Designed to European standard - interchangeable without re-engineering
- Foot and flange mounting - flexibility in applications
- Wide power range - broad design choice
- Standard Heavy Duty version - higher load characteristics
- Single, double or triple reduction - wide ratio availability
- Direct mounting of IEC and NEMA motors B14 & B5



PM series

This series of gear units is available as a single worm unit - type PW, helical/worm unit - type PH and a helical/bevel/helical unit - type PB.

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

Torque capacities range up to 108,000 lb.in with gear ratios from 5:1 to 333:1 and if combined with other Renold Gear products, ratios of up to 23000:1 can be achieved.

- Motorised and speed reducer types for all applications
- Variable mounting options allows design flexibility
- Robust construction suitable for heavy duty applications
- Optional protection for hostile environments
- Long life synthetic lubricated



TW series

Rugged gear unit for arduous application 10" to 28" (nominal 254mm to 710mm) centre distance available as single and double reduction units with power supply to 500KW (670HP).

- Variety of unit types enables flexibility in design mounting
- Unique Holroyd tooth form provides high efficiency and long product life
- Foot, flange and shaft mounted versions for all mounting options
- Heavy duty design suitable for high torque applications



RS series

In-line helical speed reducer and geared motor unit with ratios of up to 80:1 and 60HP capacity

- Designed to BS4517 specification - interchangeable without re-engineering
- Foot and flange mounting - flexibility in application
- Wide power range - broad design choice
- Standard and heavy duty versions - high load characteristics
- Double and triple reduction - wide ratio availability



jPM

Wormgear units with sizes from 1.125" to 3.0" centre distance, up to 7.5HP capacity.

- Available as worm or helical/worm options up to 300:1 ratio
- Motorised and speed reducer types available
- Variable mounting options allow design flexibility
- Unique Holroyd tooth form profile for high efficiency and long life
- Factory filled long life synthetic lubricant



Pinflex

Max kw @ 100RPM 340. Max Torque 32500 NM.

- Heavy duty pin and buffer coupling suitable for shock load conditions
- Polyurethane buffers reliable/flexible and temperature resistant



Chain Flex

Max kw @ 100RPM 90. Max Torque 8596 NM.

- Torsionally stiff for use as a positive drive connection
- Easy installation for ease of maintenance
- Misalignment capabilities allowing flexibility in installation
- Hardened teeth giving long life with high torque capacity
- All metal coupling for use in hostile environments
- Taper bush bores available for ease of maintenance



REUK/REUKC & REUKCC

Combined ball bearing and freewheel



SA

Light duty freewheel clutches. Available from size 02 to 05

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