Quality & Perfection
Renold Chains for the Glass Industry
Chain solutions for glass production – The one stop shop!

- Tooth Chains are exclusively Made in Germany. Quality standard ISO 9001:2015
- Conveyor and Transmission Chains are made according to the highest international standards!
Our joint History

Committed to excellence in product quality, engineering innovation, and customer service, Renold has over 130 years experience in power transmission together with our extensive application knowledge.
Tooth Chain solutions for hot end production

- High life time and reduced maintenance down time
- Low elongation to keep the exact position over the lifetime
- No gap with the transfer plates
- Air flow through the chain for product cooling and stabilisation
- Safe footprint for precise and stable transport of the products
- Low sliding friction with the products

- High abrasion resistance of the plates due to sliding friction with the machine table
- Low heat dissipation through the chain
- High temperature resistance
- Chemical resistance against coating products

Renold can answer all!
Unique 2-pin rolling pivot joint design

- The 2-pin rolling pivot joint considerably decreases elongation and thus increase life time
- Rolling of two pins versus sliding between the plates and the pin with a single pin pivot
- Low elongation to keep the exact position over the lifetime
- Every layout possible, also in stainless steel without influence on the life time
RT-200-CL air permeability of 12%

TS-200-CL air permeability of 53%

Every layout possible without influence on lifetime

- The Renold 2-pin rolling pivot joint transfers all dynamic loads directly from pin to pin only
- No influence of the chain layout on the life time
- The widest range of airflow adjustment and reduction of product contact
Special solutions

- Various common layouts like multi-guide/stacker versions, rim enforcement, double plates, inner loose sections with double rings, special thin washers (1 mm only!) to cope with all kind of products
- Special cleaning washers to keep chains flexible
Laser welding of the external plates

- Smooth and large contact surface on both sides
- Minimum size gap (reliable transfer)
- No lateral movement of pins due to the welding
- Safe footprint for precise and stable transport of the products
- Patented TRILEG design for reduced wear abrasion and elongation
Renold solutions to avoid micro cracks

The base: Renold edge-rounded plates
- Low sliding friction with the products
- Safe footprint for precise and stable transport of the products
- Reduces tipping of top heavy glass bottles
- Reduces forces for crosswise moving bottles

The premium: Use of stainless steel
- Lower heat dissipation rate
- Increase of resulting contact temperature glass to chain
- Improved heat resistance
- No pre-heating required
**More chain solutions for glass production processes**

**Conveyors Chains - Scraper Conveyors**
- More than 50 years experience in the production of conveyor chains
- Experience in all industry sectors
- Own engineering and development capacity

**Certification**
- QMS - ISO 9001-2008
- QMS – 14001
- QMS – API Spec – 7F
- QMS – 18001 – H&S
Conveyors – Scraper Chains

- Developed for high abrasive and wet environment
- Breaking loads of 100 to 550 kN are common
- Inboard or outboard roller design
- High impact loads are common with this type of system
- Pitch: 50.00 mm to 300.00 mm
- Scraper attachment (welded)
- Also available with special coating / hard chromed
Conveyor chain sprockets

Sprockets – with shaft assembly

Sprockets – with chain seating before despatch

Traction wheel – OD Induction hardened for high wear resistance
Renold Conveyor Chains and Scraper Conveyors are used in

- Glass industry
- Steel mill industry
- Cement industry
- Fertilizer industry
- Paper industry
- Mining industry
- Rice mill
- Food industry
- Poultry & slitter
- General conveyor application
And even more chain solutions for glass production

Transmission chain for power transmission and packaging areas

- A global, market-leading supplier of chain
- Renold Synergy, offers unbeatable wear and fatigue performance
- Over 100 years experience
- 100% in house production
- Largest range of general transmission and solution chain
Chains made by Renold will help you to **increase lifetime** and **decrease maintenance downtime** at your production line.

You will **increase** your **productivity** and **decrease** total production **cost**.

Thank you for choosing Renold!
The data specified only serve
to describe the product. No
statements concerning a certain
condition or suitability for
a certain application can be
derived from our information.
The information given does
not release the user from the
obligation of own judgment
and verification. It must be
remembered that our products
are subject to a natural process
of wear and aging.