

brooks

**brooks**  
**world class**

precision  
engineering





Established in the UK in 1973 and now with divisions in South East Asia and the USA, Brooks enjoys a well deserved international reputation as a leading manufacturer and supplier of high quality engineered products.

From precision gears to chain wheels, conveyor chains and adapted transmission chain, we have the experience, expertise and product range required to meet the needs of the specialist industries we serve throughout the world.

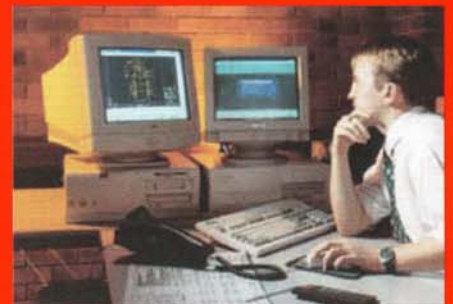
Operating seven days a week we have enjoyed and continue to enjoy significant growth thanks largely to the strong partnerships developed within new and exciting industries both in the UK and overseas.

We specialise in providing bespoke manufacture to customer samples or original design and all work is completed in accordance with ISO9001:2000.

Our headquarters are situated on a 25,000m<sup>2</sup> purpose built site in Manchester, England with easy access to Manchester International Airport and the UK's national road and rail networks.

If you would like to view our manufacturing facility and see our quality systems in action, we are always delighted to welcome visitors to our Manchester site at any time.

Simply contact us on +44 (0) 161 666 5000 or email [sales@brooks.ltd.uk](mailto:sales@brooks.ltd.uk)



# pin oven chain



INTEGRAL PIN OVEN CHAIN

Riveted throughout, including the extended pin, a chain that is widely regarded as offering the longest chain life in the industry.

With over 30 years extensive experience working with the two-piece can industry, Brooks has become the world's leading authority on the design and manufacture of pin oven chains that convey cans through curing ovens.

Our continual innovation and investment has enabled us to meet the changing demands of the industry. We have developed an unrivalled portfolio of specialist chains to meet all possible requirements, providing trouble-free operation and increased line efficiency.



O-RING PIN OVEN CHAIN

High temperature lubrication sealed within this chain means that usage of additional operational lubrication, and any product contamination that might occur as a result, is greatly reduced.



HOLLOW PIN OVEN CHAIN

Lock nuts developed to aerospace industry standards secure the pins in the chain yet allow quick and easy replacement whenever necessary.



FRONT FIXING PIN OVEN CHAIN

Similar to the hollow pin chain, this design also allows for easy replacement of the can-carrying pin, but the fact that the fastening mechanism is on the same side makes it ideal for encapsulated chain guide systems.

# custom pin oven chain

Working with experts in some of the leading plants around the world, Brooks, together with their technical partners, have developed chains which are revolutionising the can industry.



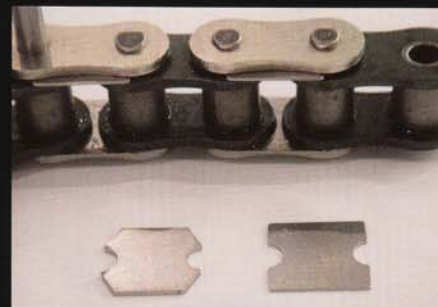
LUBE FREE PIN OVEN CHAIN

Can makers the world over have been looking for a chain that would run on modern high speed lines with zero operational lubrication. This chain meets that need and represents a true breakthrough in pin chain technology, providing a totally clean system.



SELF CLEANING CHAIN

The revolutionary patented link plate arrangement of the chain not only ensures that the lubrication gap is maintained in operation, it also removes contamination build up during chain articulation.

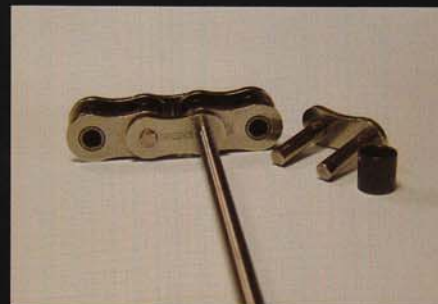


SELF CLEANING CHAIN



EZ LUBE PIN OVEN CHAIN

The chain bushings on this chain have been modified to provide a model with dual lubrication access, ideal for lines requiring maximum lubrication efficiency with minimal lubrication volume.



OPTIMA PIN OVEN CHAIN

The superior surface treatments applied to the chain bearing pins of the Optima model produce a chain of exceptional quality, offering excellent results in minimal lubrication environments.

the total package



PINS & PIN TIPS



PRECISION CHAINWHEELS



PLC LUBRICATING SYSTEM



ADJUSTABLE CHAIN GUIDES



PRECISION GEARS

**Pins & Pin Tips**

Brooks has a comprehensive range of pins and pin tips that can be manufactured to meet specific customer requirements. Pin tips can be tailored to satisfy application requirements and produced in a variety of materials for all oven temperatures.

**Precision Chainwheels**

Brooks manufacture chainwheels from certified ground plate and strict tolerances are applied on flatness, concentricity, tooth profile and pitch. Tooth hardness is achieved by 'tooth by tooth' induction hardening.

**PLC Lubricating System**

The Brooks PLC Controlled Lubricating System ensures that the correct volume of lubricant is delivered at programmable intervals to the correct area of chain, keeping lines running smoothly at all times.

**Adjustable Chain Guides**

Installed on alternate sides of vertical chain runs, the new Brooks single sided chain guides are designed to reduce chain and can contamination. They are easy to install, easy to maintain, easy to adjust and easy to clean.

**Precision Gears**

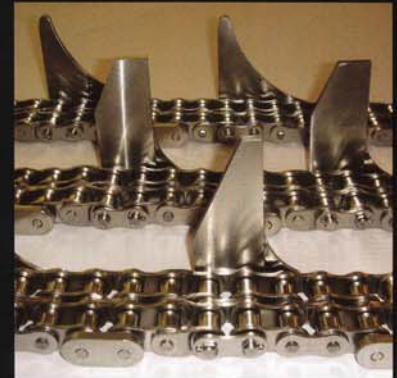
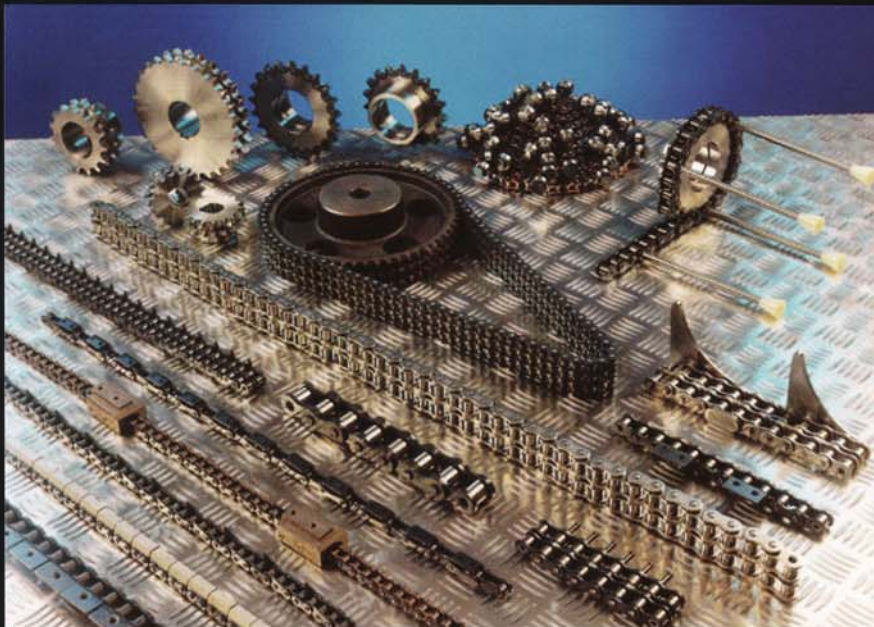
Brooks can provide precision gears to suit all two-piece and three-piece applications, including print cylinder gears, inker gears, bull gears and anti-backlash gears.

brooks

transmission chain

# transmission chain

Brooks offers a full range of British, American and ISO chains to suit a wide variety of industries and budget requirements. Working closely with the world's leading chain manufacturers we can give you advice and recommendations to help you select exactly the right specification of chain for your application. Whether you are working to a tight budget or looking for a leading maintenance-free chain, Brooks will ensure you always find exactly what you need, at a price that fits.



Brooks specialise in the manufacture and supply of adapted transmission chains designed for a diverse range of industries, including significant experience in the following:

Food; confectionery moulding lines

Paper; tissue converting lines

Thermoforming lines

Filling; horizontal and vertical can infeed chains

Tin printing; anti-backbend chain

For orders requiring immediate delivery, boxed chains and a full range of standard attachments are kept in stock at all times.

brooks world class precision engineering

# conveyor chain

When it comes to heavy duty chains, Brooks is one of the UK's leading manufacturers. We offer a standard range of chains & sprockets from 6,000 to 85,000lb breaking load and a special range up to 300,000lb. Our production and design standards meet the requirements of BS EN ISO9001:2000 and full material certification together with certification of all subsequent operations is freely available.

Our speciality is the design and manufacture of custom chains for all applications from heavy industry to the latest wet or dry roller coaster rides. The selection of special alloy steels together with specialist coatings and surface treatments produces chains of superior quality and maximum operating life.

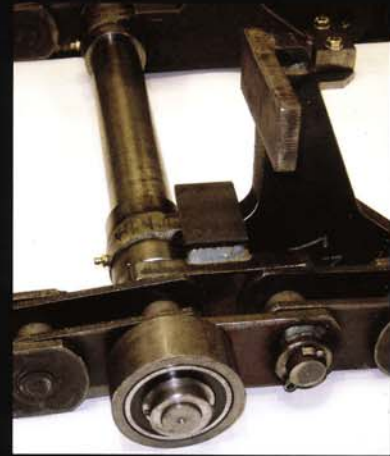


Our Engineers frequently visit site to detail or redesign conveyors, offer advice on lubrication regimes as well as implement preventative maintenance and chain monitoring programs. This together with our in-house chain wheel & shaft manufacturing facility and full installation service offers our customers the complete package.

**brooks**

**conveyor chain**

conveyor chain



Brooks has built up a considerable level of expertise and knowledge, supplying specialist conveyor chains for a wide range of industries with particular experience in:

- Bakery & food
- Aggregates
- Paper & board
- Brick
- Cement
- Sugar
- Off-shore
- Palm oil
- Roller coaster rides
- Insulation
- Water & waste water
- Automotive
- Steel

To compliment the UK manufacturing facility Brooks Andell Sdn Bhd was opened in 2004. Located in Malaysia & predominantly working within the palm oil industry it now plays an important role in helping us meet the ever increasing European demand for high quality, high volume chains of all kinds. Rest assured that the excellence of our products is maintained wherever in the world we operate – manufacturing, material selection and heat treatment are all controlled to the same high standards as in the UK.



**brooks world class precision engineering**



precision  
gears

Brooks is a major manufacturer of bespoke high quality gears for both the national and international markets.

Our extensive range of machine tools together with a comprehensive stock of cutters enables Brooks to offer a wide range of gears from 1/4" up to and above 60" diameter.

Cast iron, carbon steels (up to 400mm diameter), alloy steels, phosphor bronze and nylons are all held in stock; combined with our flexible operating schedule, this means we can always respond rapidly to any urgent requirements and help keep your business moving.

An extensive product range:

- Spur gears
- Rack & pinions
- Worm shafts
- HTD pulleys
- Helical gears
- Internal spur and helical
- Worm wheels
- Timing belt pulleys
- Double helical gears
- Bevel gears
- Chain wheels and pinions
- Splined shafts and couplings

All our products are manufactured to exacting standards and certified inspection documentation is available on request.



Precision Ground Gears

Our precision ground gears of up to 1000mm in diameter are manufactured to exacting DIN/AGMA/BS/ISO standards & supplied with full graphical analysis.



# subcontract machining

In addition to manufacturing our own products, our continued growth and investment in CNC machine tools and machining centres has led to Brooks developing a reputation as a reliable and trusted subcontractor, supplying machined parts and fully machined assemblies.

State-of-the-art scheduling software controls all production, allowing real time updates and providing our customers with a range of gears that meet their most demanding requirements.

With over 100 machine tools at our Manchester site, we can provide a comprehensive service supplying everything from basic assemblies such as truck mix support rollers to highly complex pellet mills for the cereal industry.

Everything is produced to the stringent standards of quality control that have made us leaders in our field.

