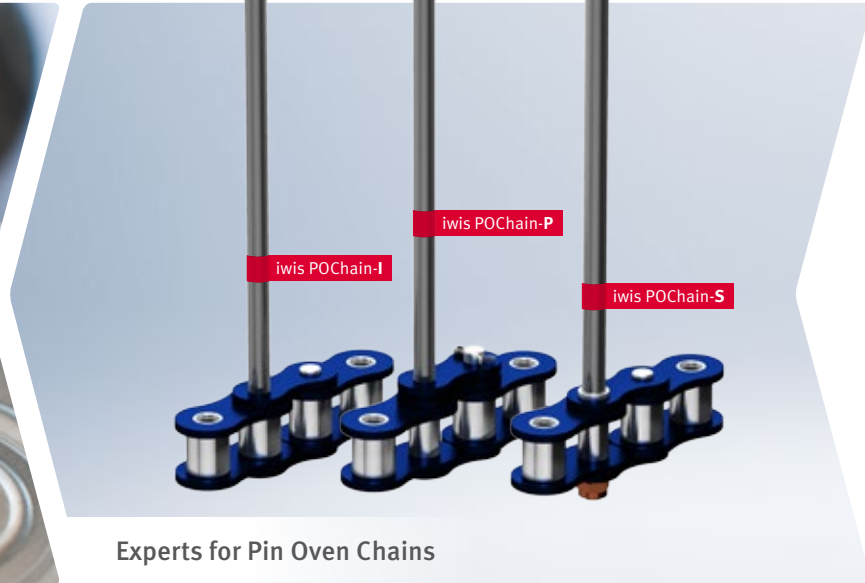




Can Making CLA (ChainLubricationApplication)

iwis, OKS and Spraying Systems Deutschland – the benefits of this cooperation are undeniable. The competency team Can Making CLA unites three experts with maximum know-how in their respective fields: chains, lubricants and lubricant application.

Competency Team **Can Making CLA**



Experts for Pin Oven Chains

Competency Team Can Making CLA

Special conveyor chains are required for transporting beverage cans during the manufacturing process. Pin Oven Chains from iwis provide the ideal solution here, but they only work really well in combination with a special lubricant that must also be applied in finely-dosed quantities.

This is why OKS high-temperature chain oil and Spraying Systems Deutschland's nozzle technology are the perfect companions for iwis precision engineering. A team you can rely on.

Our customers can now benefit from every aspect of these three highly complex sub-systems. The combination and concentration of competencies contribute to the optimisation of manufacturing plants – as well as ensuring longer service life for chains.

iwis antriebssysteme GmbH & Co. KG

Chain manufacturer iwis supplies a wide range of special conveyor chains, known as Pin Oven Chains, for the production of beverage cans from various materials and the safe transport of these thin-walled hollow containers through all stages of the manufacturing process.

iwis produces these **Pin Oven Chains** in size M128ASL (ANSI 60, 12A-1) as standard. On request, other versions are also available, including chains with anti-corrosion coating or maintenance-free MEGAlife chains (ML and ML-2).

Besides Pin Oven Chains, iwis also supplies a full range of products for all drive chain and conveyor applications. The comprehensive portfolio for industrial applications includes precision roller chains, high-performance roller chains, conveyor chains, no-maintenance and corrosion-resistant chains, accumulation chains, special conveyor chains, chains for agricultural machinery, leaf chains, flat top chains and plastic modular belts, as well as timing drive systems for the automotive industry.

iwis[®] **P**  **Chain**

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Experts for the appropriate lubricants

OKS Spezialschmierstoffe GmbH

OKS develops and produces about 150 standardised high-performance products for reducing friction, wear and corrosion. The main field of use of the OKS speciality lubricants is industrial maintenance, servicing and production. OKS products are characterised by their high longevity and cost efficiency. OKS Spezialschmierstoffe GmbH has been a member of the Freudenberg Chemical Specialities SE & Co. KG, a company of the Freudenberg Group since 2003.

An example of the high performance of OKS speciality lubricants is the **lubrication of transport chains used in the manufacturing of aluminium beverage cans**. After the cans have been deep-drawn, these are coated and the coating stoved at approx. 210 °C. Transport through the stoving furnace is effected with fast-running chains approx. 100 m long that reach a throughput of up to 20,000 cans per hour.

Through the use of **High-Temperature Chain Oil OKS 3570/1** the lubricant consumption is reduced by more than 60% and the operating life of the transport chain is doubled in comparison to the previous product.



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Experts for lubricant application

Spraying Systems Deutschland GmbH

With **AutoJet®** Lubrication Systems lubrication oil or a corrosion protection fluid can be applied to coils, blanks, pipe sections, stamping or forming tools as well as to wires and bars/rods. Precise control of lubricating applications can reduce oil consumption by up to 90% and can eliminate time-consuming cleaning of parts.

The **AccuJet®** Electrostatic Systems improve chain lubrication while greatly reducing oil consumption and conveyor downtime. The electrostatic nozzles apply chain lube to the key lubrication points on the chain with extremely high transfer efficiency, saving oil, reducing chain breaks and limiting the downtime often associated with chain-driven conveyors.



Spraying Systems Co.®
Experts in Spray Technology

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Competency Team Can Making CLA

Functions and benefits



JWIS POC chains

- 3 different Pin Oven Chain versions available – iwis has a solution to meet every customer requirement
- A unique feature of Pin Oven Chain manufacture: all individual components include lubrication, LABS-free production process, no risk of beverage can contamination
- PEEK plastic head is resistant to high temperatures and wear-proof
- 100% control of transport pin straightness during production
- Best wear performance results in comparison with competitor chains

High-temperature chain oil

- Drip-resistant – prevents lubricant from contaminating the can
- Minimal evaporation – lubricant contains no ingredients that could destroy paint or lacquer layers
- Reduced relubrication – lubricant that does not evaporate need not be replaced
- NSF-H1 food grade certification

Nozzle technology

- Completely uniform lubrication of critical areas between the pin and bushings extends chain life
- Eliminates oil mist and creates a safer work environment for operators, minimizes cleanup due to overspray
- High transfer efficiency reduces oil usage and operating costs
- 100% pre-tested for quick installation on site
- SIEMENS touchscreen control