



High-Speed Can Production Facility

Industry Issue/Challenge

At a high-speed can production facility in Jacksonville, FL, production lines operate 24/7, producing up to 2,400 cans per minute. A critical component of this process is the pin oven chain, which had become a performance bottleneck. Despite regular maintenance, the incumbent chain only lasted 6 to 9 months, leading to frequent, unplanned downtime that disrupted productivity and increased maintenance demands.

Seeking a more reliable solution, the operations team trialed the iwis 60 pin oven chain as a like-for-like replacement. The primary objectives were to extend chain life, reduce emergency shutdowns, and improve control over maintenance scheduling.

Application

The chains are used in a pin oven system—part of the can making process—where aluminum cans are moved through ovens at extremely high speeds for curing. This high-load, high-temperature application requires precision, durability, and consistency under constant stress.



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iwis industry solutions





Product Solution

iwis supplied 60 riv pin oven chain, built to match the original chain's specifications but with enhanced durability and wear resistance. The facility also implemented the iwis CCM (Chain Condition Monitoring) system, which allowed the team to proactively track wear and schedule maintenance windows, eliminating costly surprises.

The impact was immediate: chain life increased to 18–24 months, more than doubling the service life of the previous solution.



Results

Chain life extended from
6-9 months to
18-24 months

Exponential productivity gains by minimizing unscheduled downtime, ensuring smoother operations and maintaining output of

2,400 cans/minute
with fewer interruptions

Cost savings were secondary—but the increase in reliability and control was a critical operational advantage

Improved maintenance planning and ordering through CCM system insights