



Application News

From Ramsey Products

No Glass Checks Accepted

A case study outlining one glass producer's success using Ramsey chain to eliminate problems with container defects

A leading producer of glass jars for food products was challenged by their customer to produce higher quality, blemish free containers. Specifically the customer wanted to reduce the size and number of small cracks, also called checks, which appeared on the bottom of jars during production. Faced with this new challenge, the glass producer contacted Ramsey for assistance.

Working with glass production personnel, Ramsey's technical sales team was able to identify the source of the glass checking. During container production, red hot jars move from the mold to a dead plate and then to a glass conveying chain. The containers are very fragile during this stage of production and it is critical that the glass be transferred smoothly from the dead plate to the chain. After examining the actual glass conveyor, it was determined that the transfer of jars to the chain was not occurring as smoothly as it should, and cracks were developing during the transfer process.

In order to provide for better product transfer, and fewer cracks, Ramsey proposed that the conveying chain be replaced with a different style of chain. The original chain was an extended pitch, link and spacer, chain design that contained large openings, or gaps, in the chain surface, as a means for increasing air flow. In this application, where smooth product transfer was especially important, Ramsey recommended a Ramsey Ultralife ½" pitch, all link, conveyor chain. The recommended chain contained much smaller gaps in the chain surface, and was expected to provide better glassware support during the transfer process.

After installation of the new Ramsey conveying chain, the glass producer experienced an immediate improvement in container quality. The incidence of checks and bottom defects was significantly reduced and according to the final customer,

'...container quality was the highest they had seen from any source.'

The Source for Silent Chain and Sprockets<http://ramseychain.com>

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