



Application **SOLUTIONS** for Food & Beverage

**SYSTEM
PLAST™**

Dairy Conveyor

Application

Dairy Conveyor that packages milk cartons

Solution Type

Reduced Water Consumption
Maintenance Cost Savings

Description of Problem

Customer is currently using a competitor's chain on their dairy conveyor line that packages institutional milk cartons (i.e. Schools, Hospitals, Prisons). They are using soap water in order to keep the line lubricated. They were recently fined \$100,000 because they exceeded their waste limits on solids (soap water is considered a solid). They want to avoid this fine again and eliminate the \$600 per month expense that they spend on the soap.

They have tried running this line without lubrication but to do this successfully, they have to increase the power on the motors making the line much noisier and running up energy costs.

Emerson Solution

The NG-880-K325 chain is made with New Generation™ material. Extra performance PBT with the lowest coefficient of friction in our product range. NG's chemical properties result in good strength and optimum wear resistance, which reduce pitch elongation, and makes this material suitable for dry running applications.

Product/Part Description

NG-880-K325 Chain

Key Customer Need(s) and Benefits from Emerson Product:

The customer has 4 conveyor lines that are approximately 60ft each. They tried the NG-880-K325 and it ran great without the need for lubrication, reducing the chance of any more fines and extra costs. They plan to replace the chain on the rest of their lines in the near future.




EMERSON™
Industrial Automation

EMERSON. CONSIDER IT SOLVED.™



Features and Benefits

System Plast Conveyor Chains made from NG™ Material

System Plast offers a full range of chains made from its unique NG™ (New Generation™) material.

- Extra performance PBT thermoplastic resin that performs in “dry-running” applications”, where many other chains cannot without lubrication.
- Proven to be a material that wears longer in comparison to acetal based conveyor chains.
- Offers reduced plate wear and reduced pitch elongation.
- Reduced noise levels compared to acetal materials.
- Provides exceptional corrosion resistance.
- Large, flat surface for product stability.
- Side flexing and straight running configurations available.
- Low coefficient of friction.
- Improved thermal capabilities.
- Widths from 3.25 thru 12 inches.
- Can often eliminate the need for chain lubrication and the resultant problem of waste water handling.
- Lower power consumption.
- Increased operating temperature up to 245° F (for “dry-running” applications).



Visit our website @ www.emerson-ept.com or call Application Engineering at 1-800-626-2093 for specific product selection assistance.



Customer Service
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www.emerson-ept.com

APPLICATION CONSIDERATIONS

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