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TRAMCO, INC.

# TRAMCO® Conveyor

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Volume 4

## TRAMCO Feature



Nagoya, Japan, 1997

This is a combination of finished meal storage for water shipment and whole grain storage. The conveyors on the lower right are 18"X26" Model G chain conveyors with a speed of .5 m/sec. They are receiving from ship unloading storage and the elevators are elevating with capacity of 300 mtph into discharge conveyors. The meal is being received from the left top of picture coming from the processing plant and is being discharged to ocean going vessels at a rate of 200 mtph.

CONTINUES...

### TRAM-3 SHIP UNLOADER

Mobile 3-legged (shown) or stationary ship unloader.  
Capacity up to 1000 TPH.

### TRAMCO JETBELT™ Air Supported Belt Conveyor

An efficient system requiring less horsepower than other systems.  
Used for dry bulk handling requirements in a variety of products.

### TRAMROLL™ Enclosed belt conveyor with innovative features such as; self-reloading and self-cleaning tail section, and multiple inlets. The heaviest duty design in the industry.

### TRAMCO MODEL RB Designed for self-cleaning and quiet operation with a u-shaped trough for handling soft stock or materials that are easily crumbled or broken.

### TRAMCO MODEL G Built standard with 10-gauge construction to accommodate large capacities of free-flowing materials. Provides years of trouble-free service under extreme applications.

### TRAMCO MODEL RS An economical en-masse conveyor for grain handling. Features a rectangular all-formed mild steel trough. Available in 10-gauge, 3/16" or 1/4" construction. A hard worker for moving soft stock.

### TRAMCO BULK-FLO™ The Work Horse

Centrifugal Discharge design used for the bulk handling of free-flowing fine and loose materials with small to medium size lumps. Built-to-last for the toughest requirements.

### TRAMCO BULK-FLO™

The heavy-duty chain conveyor designed specifically for processing applications such as; wet and sticky, varying sizes and densities, and abrasive or corrosive materials.

# TRAMCO

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MR.MARK

## Maintenance Tip

### CHAIN TENSIONING ON THE BULK FLO™

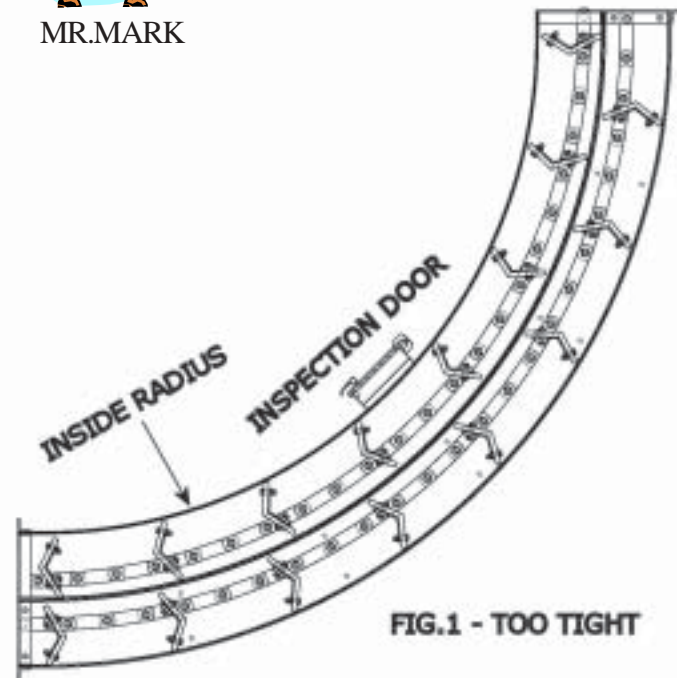


FIG.1 - TOO TIGHT

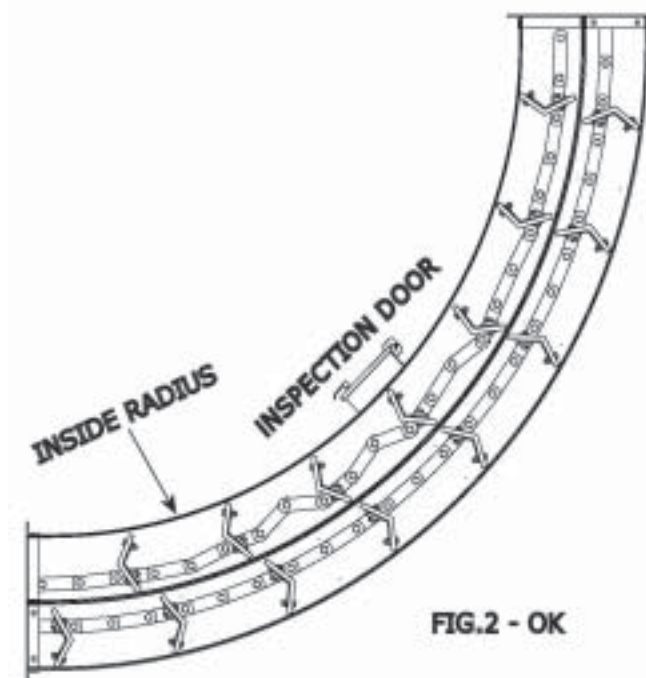


FIG.2 - OK

On the Bulk-Flo™ conveyor the slack chain accumulation will be in return or upper section of the curve. If the chain is rubbing the inside radius of the curve - that is too tight, as in Figure 1. Figure 2 has the proper chain tension. This is easily observed through the OSHA approved inspection door located on the inside radius of the curve.

## Case History

### CONTINUED COVER STORY



Nisshin Oillio Group, Nagoya Plant (ex Rinoru Oil Mills) company is utilizing two Mitsubishi ship unloaders. Each has an unloading capacity of 600 mtpd and each has a dedicated TRAMCO 24" X 26" Model G conveyor. Hatch doors feeding the TRAMCO conveyor open and close as the ship unloader positions itself over each conveyor inlet.

## Inside TRAMCO

### DED SYSTEM

TRAMCO introduces its unique Design Estimating and Drafting System - DED. With the DED system we can take the application and within 30 minutes or less TRAMCO can have a proposal and an approval drawing (24" x 36" Oversize ANSI Super D) ready to be e-mailed anywhere in the world!

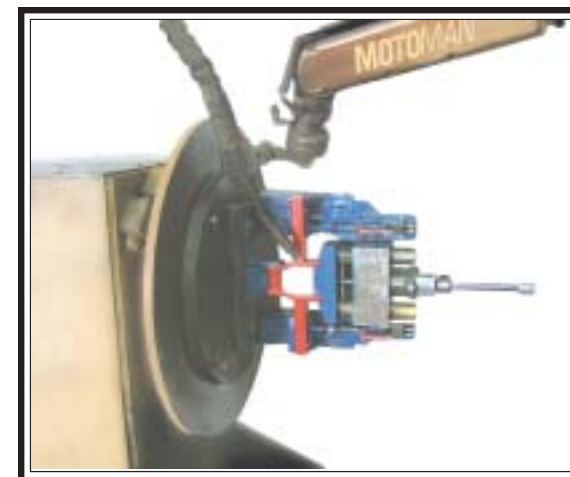
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- ◆ Read our monthly maintenance tips
- ◆ Read our newsletters
- ◆ Become a Tramco member, which will allow you to view interactive 3-D models of our most popular conveyors, detailed specification sheets, and much more...
- ◆ Take a tour of Tramco
- ◆ Learn about our quality products and their applications according to various industry categories

**Tramco - The World's Most Complete Line of Chain and Enclosed Belt Conveyors!**

## TRAMCO Standard

### QUALITY CHAIN



To further improve the reliability and integrity of the chain link we preheat each link before it is robotically welded using our "Motoman" robot. The "K.N. Aronson" manipulator is used to control the chain and the correct positioning of the flight attachment.

