

# Typical Conveyor Renovation Specifications



## Specifications – PC-90

Existing conveyor to be completely updated and renovated as model PC-90 as manufactured by Bi-line Systems.

All mechanical, electrical and plumbing components will be removed and discarded. Conveyor will then be renovated to latest state-of-the-art.

Worn areas of the conveyor pan will be overlaid with #14 gauge, type 304 stainless steel, factory formed to accept new belt type.

**CONVEYOR BELTS** – Conveyor belts to be dual 1/2" diameter solid polycord reinforced bands with 1,000 lbs. ultimate strength. Polycord bands are U.S.D.A accepted material and are highly resistive to most food acids, chemicals and soils. Twin polycord conveyor belts to be supported on Accuwear Fluid Wear Guides suitably spaced to reduce drag and eliminate wear on the SST conveyor beds.

Belts maintain tension without takeup devices or springs.

Conveyor to be table top type without concealed beltwasher under the conveyor.

Penetrations in the conveyor pan will not be allowed.

All pulley bearings to be maintenance free and permanently lubricated.

The existing high friction type return system will be removed and discarded.

Curved sections of the conveyor to have Accuwear Fluid Wear Guide System for maintenance free operation of the belt through the turn.

**DRIVE MOTOR** – Provide integral motor/reducer, sized to suit project, by Bi-line. reducer equipped with a double output shaft for mounting of main drive pulleys. Motor is D.C. type, 90- or 180-volt, to facilitate electronic variable speed.

**CONTROL SYSTEM** – Conveyor shall be controlled by a watertight control center containing start/stop buttons, indicating lights, speed control potentiometer knob, and main disconnect switch. The D.C. drive motor shall be controlled with an "SCR" solid-state variable-speed controller with overload protection and electronic torque control. Controls are a safe 24-volt A.C.

Automatically controlled photo-electric eye or limit switch to be furnished as required by application.

Conveyor to be renovated by factory field engineers.

Job shops will not be accepted.

When complete, the conveyor will be furnished with the new conveyor warranty, all parts, labor and defects in workmanship for a period of one year.

## Specifications – FBC (Flex Belt Conveyor)

Existing conveyor to be completely updated and renovated as model FBC as manufactured by Bi-line Systems.

All mechanical, electrical and plumbing components will be removed and discarded. Conveyor will then be renovated to latest state-of-the-art.

Worn areas of the conveyor pan will be overlaid with #14 gauge, type 304 stainless steel; factory formed to accept belt and chain.

Conveyor pan to be furnished with full length solid Accuwear Fluid Wear System.

Contact between belt and steel will not be allowed.

**CONVEYOR BELT** – Belting shall be type "HDF" plastic slat chain belt, and shall side-flex to a minimum 23" center-line radius. The plastic slats are 10" wide and are made of a wear-resistant, extra-low friction engineering plastic which also contains special self-lubricating additives. Individual slats are joined to form a continuous belt by wear-resistant SST pins. The slats are tapered-wing design and on the underside are equipped with hold-down tabs to contain the belt at the corners, preventing the dangerous possibility of the belt "jumping the track". The tabs also support the belt on the return side monorail track.

The existing high friction type return system will be removed and discarded.

**DRIVE MOTOR** – Provide adjustable speed integral D.C. motor and gear reducer. Speed to be varied by turning knob on conveyor control panel.

**CONTROL SYSTEM** – Provide a watertight control center containing start/stop detergent and belt spray switches, indicating lights and speed control knob. The D.C. motor shall be variable speed operated by an "SCR" solid-state controller with overload protection, electronic torque control. Provide a sealed disconnect circuit breaker and control transformer (24-volt secondary) sized to suit the system. All components to be neatly contained in a SST waterproof enclosure. All wiring to conform to latest CSA, UL & local electrical codes & standards. Provide auxiliary start/stops and accumulation switches as required, to assure efficient operation of system.

**DRIVE SHAFT** – Provide 1" dia. SST drive shaft mounted on double-sealed bearings with a grease-filled sealed cartridge inside chamber; standard precision ball-bearing flanged unit outside chamber. All drive shafts, belt sprockets drive chain, drive sprockets and bearings will be replaced.

Conveyor to be renovated by factory field engineers.

Job shops will not be accepted.

When complete, the conveyor will be furnished with the new conveyor warranty, all parts, labor and defects in workmanship for a period of one year.

# FACTORY RENOVATION

## Of Your Foodservice Conveyor System



Put your Conveyor Back on the Road  
to Trouble-Free Operation

Up To 50% Savings  
Over Replacement  
With New Equipment.



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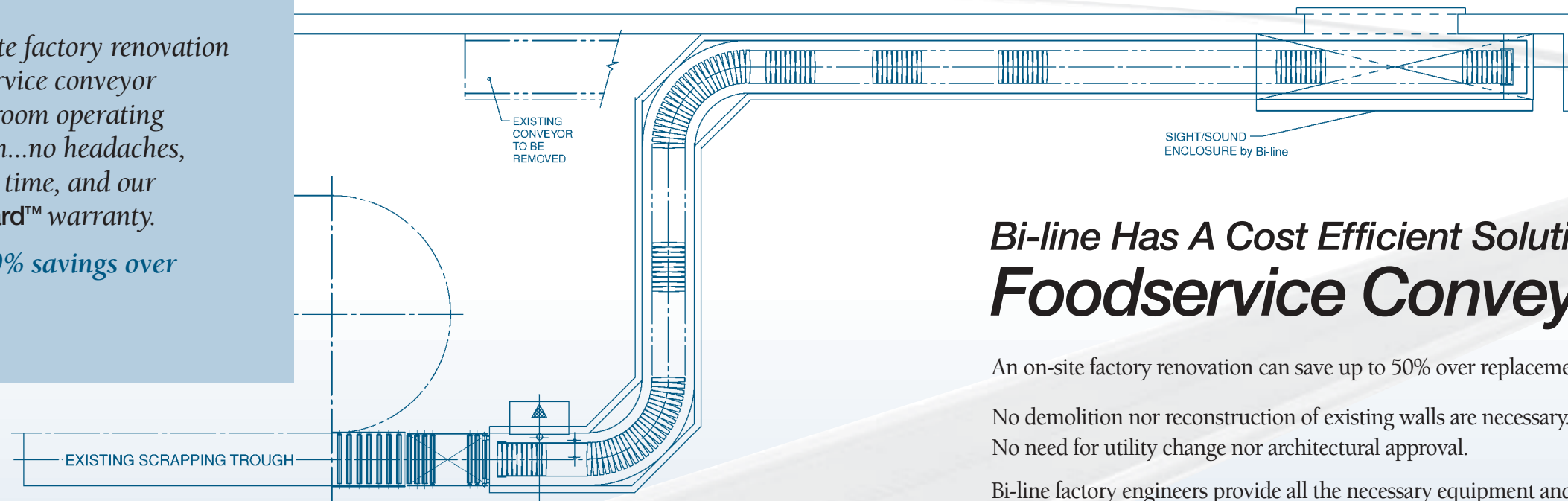
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# Jobsite Conveyor Renovations Are Cost Efficient Solutions



A Bi-line on-site factory renovation of your foodservice conveyor gets your dishroom operating smoothly again...no headaches, minimal down time, and our Conveyor Guard™ warranty.

All at up to 50% savings over replacement...



## Bi-line Has A Cost Efficient Solution for Your Foodservice Conveyor System.

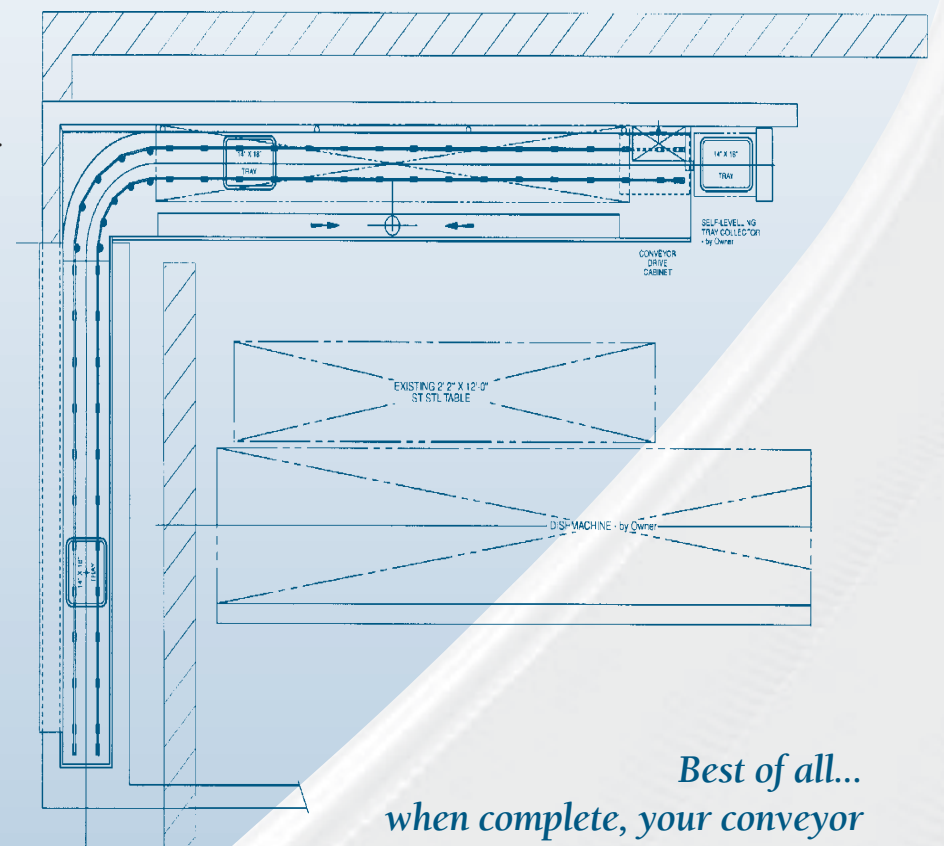
An on-site factory renovation can save up to 50% over replacement.

No demolition nor reconstruction of existing walls are necessary.  
No need for utility change nor architectural approval.

Bi-line factory engineers provide all the necessary equipment and UL listed components to completely update and renovate the foodservice conveyor at your facility – without removing it from its present location. The work is performed during the hours that are the least disruptive to your normal operating schedule.

A Bi-line jobsite conveyor renovation should not be confused with repair services.

All existing equipment is removed and the conveyor is renovated to the latest safety standards utilizing space-age, low-friction wear materials.



Best of all...  
when complete, your conveyor is protected by our exclusive Conveyor Guard™ warranty.

### Types of facilities where a job site conveyor renovation can be a cost efficient solution.

- Colleges
- Universities
- Corporate Cafeterias
- Hospitals
- In-Flight Commissaries
- In-Plant Cafeterias
- Hotels
- Institutional Cafeterias
- Correctional Institutes
- Schools

