

ROLLER CONVEYORS



GRAVITY ROLLER CONVEYORS

Gravity roller conveyors are used in the transport of soiled dish racks from the end of the powered roller conveyor, down a slope to the dishwashing machine. Set on 4" centers the PVC type rollers are fabricated in sections and are easily removable for cleaning.

STANDARD EQUIPMENT

- 14 gauge stainless steel construction
- 1-5/8" PVC rollers with self lubricating acetal bearings
- Easy clean removable sections
- Stainless steel full length drip pan
- 1.9" diameter stainless steel legs with cross rail supports and adjustable feet



POWER ROLLER CONVEYORS

Powered roller conveyors are designed to carry standard 20" x 20" dish racks from the soiled dish table to the dishwashing machine. The powered roller conveyor has a chain driven sprocket mounted to the roller shaft. When the chain is pulled, the shaft and roller tube rotate independently. This independent rotation means that the rollers under a stalled rack will stop turning, even while the remaining rollers continue operation. This results in low-pressure accumulation of dish racks and allows the conveyor to run almost continuously.

STANDARD EQUIPMENT

- Low pressure accumulation system
- 14 gauge stainless steel construction
- 1-5/8" 16 gauge stainless steel tubing fitted with self lubricating acetal bearings
- Totally Enclosed Fan Cooled drive motor (TEFC)
- Water tight electrical control panel
- Remote style start/stop station
- Stainless steel full length drip pan
- 1-5/8" diameter stainless steel legs with cross rail supports and adjustable feet
- Easy clean removable sections



6245 State Road
 Philadelphia, PA 19135-2996
 215-624-4800
 215-624-6966 FAX
800-344-4802
www.insingermachine.com



CSI - 1100

GRAVITY ROLLER CONVEYOR SPECIFICATIONS**DESCRIPTION**

Conveyor carries standard 20" x 20" glass/dish racks to gravity roller conveyor and/or dishwashing machine. Conveyor is an integral part of scrapping table.

CONSTRUCTION

Conveyor is constructed of 14 gauge stainless steel side channels with stainless steel covers. The drive enclosure located as shown on the plan to be either at tail end, which is standard, or at any location along length of the side channel.

ROLLERS

Set on 4" centers the PVC type rollers are fabricated in sections and are easily removable for cleaning.

POWERED ROLLER CONVEYOR SPECIFICATIONS**DESCRIPTION**

Conveyor carries standard 20" x 20" glass/dish racks to gravity roller conveyor and/or dishwashing machine. Conveyor is an integral part of scrapping table.

CONSTRUCTION

Conveyor is constructed of 14 gauge stainless steel side channels with stainless steel covers. The drive enclosure located as shown on the plan to be either at tail end, which is standard, or at any location along length of the side channel.

ROLLERS

Rollers are 1⁵/₈" diameter, 16 gauge stainless steel tubing fitting with self-lubricating acetal bearings. Rollers are mounted between side channels and no part of the roller extends into side channel.

DRIVE SYSTEM

Rollers are mounted on 1/2" diameter stainless steel shafts that extend into the side channels through all plastic lubricating bearings. The drive end of the shaft is fitted with a replaceable A40-11 molded Delrin sprocket. The sprocket and shaft are driven by a continuous stainless steel chain which runs on polyethylene wear strips on the top and return. The driving motion is obtained by the movement of the chain travelling under the sprockets.

DRIVE MOTOR

Totally enclosed fan cooled (TEFC) stainless steel drive motor.

CONTROLS

The conveyor is controlled by a watertight panel located near the soiled dishtable or other location where it is accessible to maintenance personnel. The panel contains all required electrical components. Start/Stop panels are remotely located to operate the conveyor.

OPERATION

The conveyor operates as a low-pressure accumulation system so rollers rotate independent of sprocket and shaft combination. This allows the rollers to stop while the chain continues to move when dishracks are backed up on the conveyor.

SERVICES

15 amp/120V/208V/1ph or 3ph/60Hz

APPROVALS

Roller conveyors are manufactured to conform to the highest applicable CSA and NSF standards.