TRAY RETURN CONVEYOR
Roller Conveyor

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 FEATURES
- 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 FEATURES
- 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

OPTIONS
- Roller conveyors
- Plastic slat belt conveyors
- Powered roller conveyors
- Waste troughs
- Stainless steel fabricated tabling
- Magnetic cutlery remover
- NEMA 4 control panel
SPECIFICATIONS

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 be mounted on ½” 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.

Note: Due to product improvement we reserve the right to change information and specifications without notice.