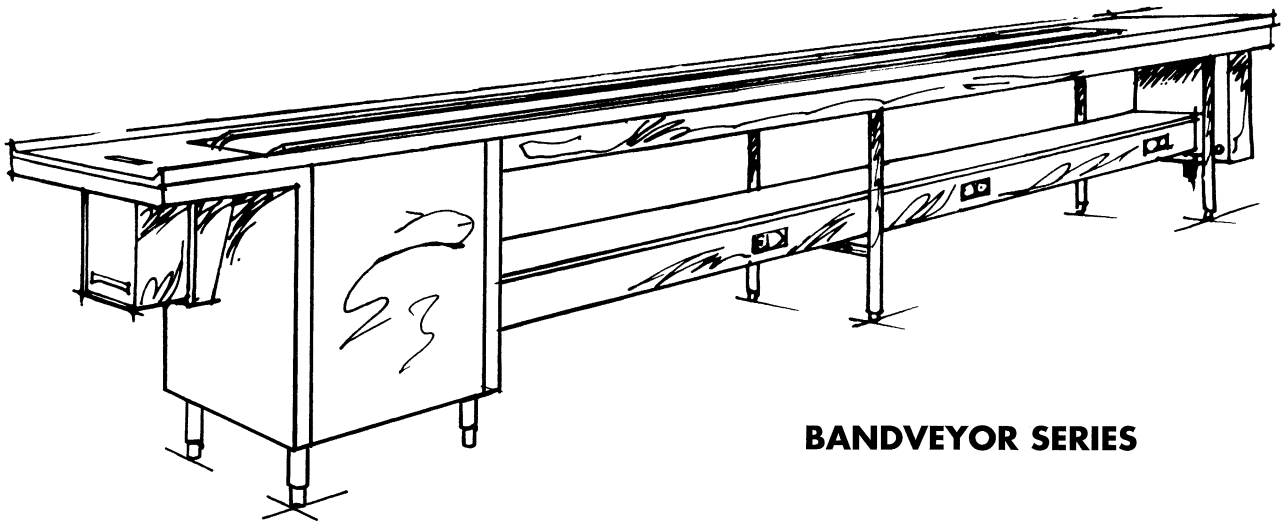


GATES TM TRAY MAKE-UP CONVEYOR

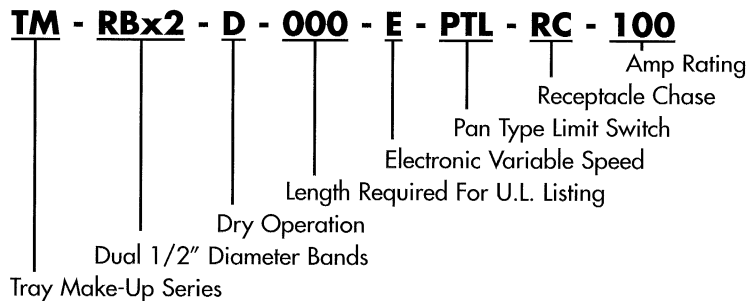


BANDVEYOR SERIES

FEATURES

STANDARD FEATURES

U.L. Listed Electrical Raceway • Electronic Variable Speed • 1/2" Urethane Bands With Polyester Core • Pan Limit Switch • Stationary • Dry operation • Removable Crumb Collector Pan • All Welded Heavy Duty Framework



GATES
MANUFACTURING

6924 Smiley Avenue
St. Louis, Missouri, 63139

gatesmfg.com



Conveyor shall be Gates Manufacturing Company model TM Series Tray Make-Up Conveyor. Conveyor will carry label displaying that it has met the standards of the Underwriters Laboratories and is a listed product.

SIZE:

Length as indicated on drawing x 21" wide x 36" high to slider pan.

BELT SPEED:

Shall be electronically adjustable in speed range from approximately 0 to 40 FPM.

APPLICATION:

This motorized bandconveyor is a vital part of a total healthcare system.

DRIVE HOUSING:

Shall be 18 gauge stainless steel. 2" x 2" x 3/16" stainless steel all welded angle and channel framework. Removable panels provided for access.

DRIVE:

Drive is driven by totally enclosed fan cooled D.C. permanent magnet motor through worm gear speed reducer, sprockets and roller chain. Fully lagged power roller with snubbed drive assembly providing 270° belt contact for positive drive. Manual belt tensioning device is provided. Motor controlled with SCR power transmission group. SCR main control panel has speed control station with stop-start controls. SCR system will include dynamic braking. All controls shall be NEMA 4 watertight. Shafting shall be solid stainless steel with U.H.M.W.P pulleys. Bearings shall be self-aligning ball bearings sealed for life.

BELT:

Dual 1/2" diameter urethane belts are FDA and NSF approved.

SLIDER PAN:

Die formed crimp edge with straight turndown on long sides and straight down on ends. Belt will terminate at drive end to provide flat top space for one tray. Supports are 1-5/8" O.D. #16 gauge stainless steel tubing "H" frames on 6' to 7' centers. Interconnecting crossrails as required.

INTERMEDIATE SECTION:

The intermediate section is 1-1/2" x 1-1/2" x #12 Ga stainless steel angle framing. 1-7/8" O.D. PVC bearing supported stainless steel shaft mounted idler rollers on 4" - 0" centers. Exposed sides shall be fitted with removable stainless steel panels.

TAIL SECTION:

The tail section consists of stainless steel frame work which houses tail pulleys. Stainless steel panels will conceal frame where exposed.

SPECIAL NOTE!

ENGINEERING DATA CHART MUST BE FILLED OUT ACCURATELY FOR PROPER SELECTION OF RECEPTACLES AND PANEL BOX.

MANUAL CLEANING SYSTEM:

Head section fitted with stainless steel slide out crumb collector pan. Conveyor can be hand cleaned with damp sponge and brush.

LIMIT SWITCH:

Shall be pan type interwired to motor and controls. Conveyor will stop as tray reaches check point and will automatically restart when tray is removed.

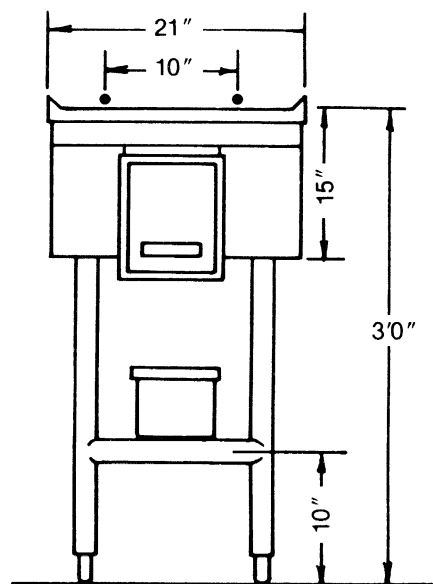
RECEPTACLE CHASE AND PANEL BOX:

Panel box is watertight NEMA 3R construction located on conveyor in totally accessible area. Integrally connected to panel box shall be an all stainless steel electric receptacle housing full length of conveyor. Raceway shall be watertight construction and U.L. Listed. All receptacles required for support equipment shall have watertight spring loaded covers or threaded removable watertight ring covers with rust resistant ball and chain. All receptacles will be wired on individual circuits to panel box and matched to electrical support equipment.

MECHANICAL DATA:

Provide electrical service at location required (stub if stationary, grounded receptacle if mobile).

NOTE: Conveyor can be furnished in any voltage that is available in the Continental United States.



DRIVE ELEVATION

Shipped knocked down when possible.