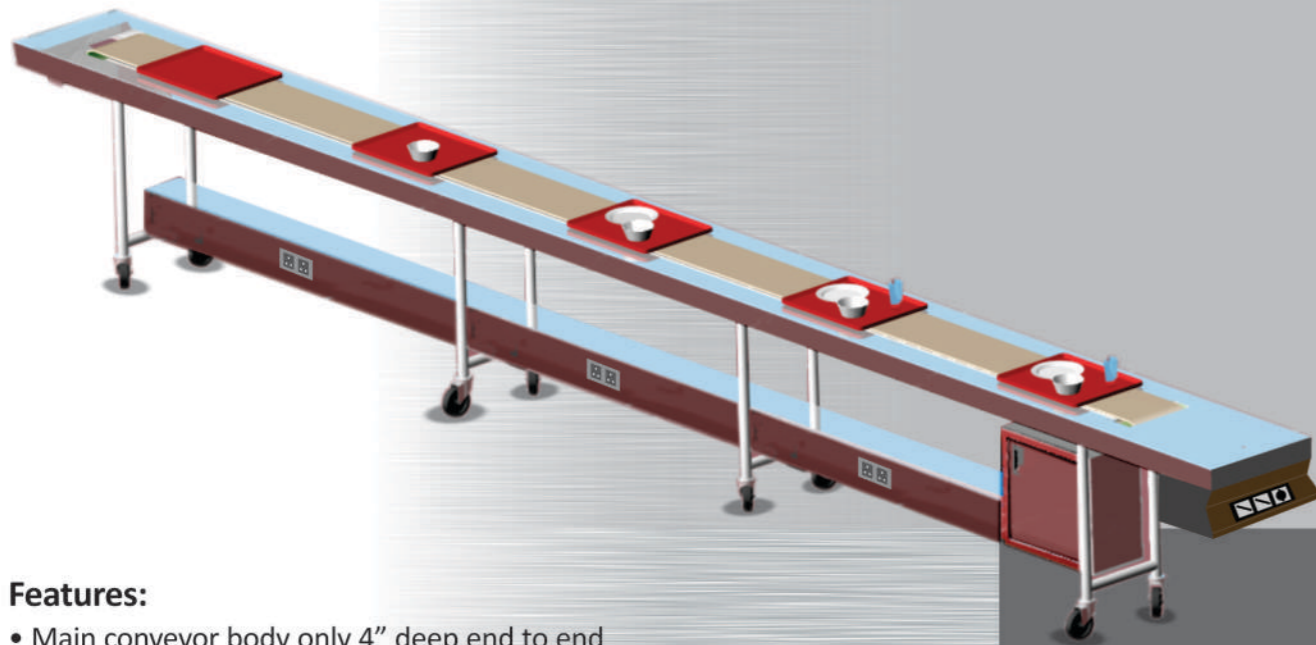




INTRODUCES:

SIMPLEX : Simply the slimmest, most compact Tray Make-up Conveyor available in the market today

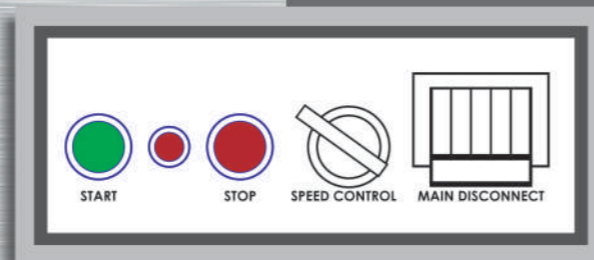


Features:

- Main conveyor body only 4" deep end to end
- All mechanical components located under conveyor top
- Available in 8" or 10" wide belt or twin-belt or polycord (shown)
- Near zero maintenance required
- Electronic variable speed AC inverter
- Safe, low-voltage controls
- Start/stops at both ends standard

Options Available

Photo-electric accumulation switch
 Extended landing deck at either or both ends
 5" ϕ food-grade casters with brakes
 Wiring raceway, circuit breaker panel,
 optional receptacles



See over for specifications...

Aerowerks SIMPLEX Tray Make Up Conveyor

Model: Simplex Belt 1

A. Belting

Provide 8" or 10" wide, 2-ply white PVC or Neoprene food grade belting with stainless steel (s/s) alligator lacing joint.

B. Slide Bed

Provide 14ga. s/s flat top turned down and boxed as shown on detail drawings. Bed is designed to be its own structural support and also to support all mechanical components from its underside. No skirt panels or access doors shall be required.

C. Leg Supports

Conveyor shall be supported on 1-5/8" ϕ H-frame leg structure and 14ga. s/s hat channels. Provide legs with adjustable s/s bullet feet.

D. Mechanical Components

1. Drive Provide motorized "mini-pulley" at head end of unit. Pulley to be 1/3 HP with nominal o/p speed of 30 rpm. (Variable see "Controls").

2. Tail pulley Provide crowned PVC tail pulley mounted on 3/4" ϕ s/s shaft. Shaft to be mounted in slots with screw take-up to permit belt tensioning and tracking. Provide a hinged, flat s/s cover to provide access to take-up at tail end.

3. Return Rollers Provide 1.9" ϕ blue PVC rollers fitted with polypropylene-s/s ball bearings. Provide 7/6" hex. aluminum axles bolted to s/s support angles. Angles are supported from underside of conveyor bed and spaced to prevent undue sag of belt on return side.

E. Controls

Provide s/s main control panel housing mounted at drive end of conveyor, containing the AC inverter for variable speed control, and all related fusing, contractors, terminals, etc. Panel designed for access by authorized service personnel only. Panel also equipped with face-mounted start/stop buttons, speed control knob, "system on" light and main disconnect switch.

Model: Simplex PC 1

A. Belting

Provide (2) - 1/2" ϕ polycord urethane belts spaced 8" apart, endlessly spliced by heat sealing.

B. Drive System

1. Provide double output shaft 30:1 worm gear reducer with integral 1/2hp TEFC 120-volt AC motor.

2. Drive Pulleys - Output shafts of gear reducer each equipped with 7" ϕ cast iron baked enamel finished pulley.

3. Snub Pulleys, tail pulleys and take-up pulleys, 4" ϕ , to be plastic & ball bearing design and located where shown on drawings.

4. Take-up pulleys to be mounted in slots on return belt side, each independently adjustable using screw take-up.

6. Belt return Provide s/s hanger bars as required to support belts on return side preventing undue sag.

All other specifications are the same as for Simplex Belt 1

OPTIONAL EQUIPMENT

A. Accumulation Switch

Provide photo - electric sensor at discharge end of conveyor to stop conveyor when activated by a tray. Conveyor re-starts when tray is removed.

B. Electrical Raceway

Provide s/s wiring trough mounted under conveyor body to be located on centre line of conveyor. Flush mounted receptacles for plug-in equipment to be provided as required where shown on drawings. Access to raceway through drop-down hinged door.

C. Circuit Breaker Panel

Electrical raceway wiring for receptacles shall terminate in a ___-amp ___-phase ___-wire circuit breaker panel mounted in a s/s enclosure under the conveyor where shown on plans. Panel to be sized to accommodate owner's plug-in equipment.

D. Casters

Provide 5" ϕ food-grade swivel casters with brakes. (In lieu of bullet feet.)

E. Landing Decks

Provide extended landing / take-off deck(s) at either or both ends of conveyor beyond belt to be integral with conveyor bed. Size as required.



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