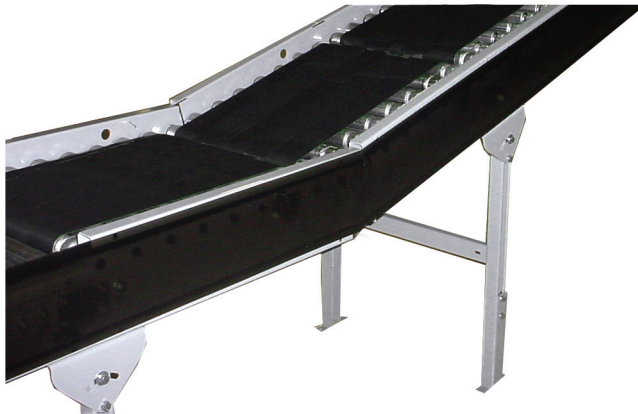


AutoRoll+™ Incline/ Decline Belt-Over- Roller Motorized Roller (AR+)



Automation AutoRoll+™ Motorized Roller (AR+) conveyor is available in various configurations to support numerous system applications. It is quiet, safe, requires low-to-no maintenance, and offers high speed and non-contact zero pressure accumulation.

AutoRoll+™ can all accumulate product without bumping, getting side-by-side, skewing or jamming. Intermixed products, such as totes, slave pallets and cartons can be handled simultaneously even when there are extreme differences in weights from one product to the next.

AutoRoll+™ conveyor features run-on-demand zones. It only runs when required to advance product, thereby reducing energy consumption and overall noise generation as well as ex-tending the functional life of the conveyor.

AutoRoll+™ has an extremely quiet OSHA approved sound level. Since AutoRoll+™ is run-on-demand, there is no sound generated when the zones are in accumulation mode, or when product is not present.



Mechanical Characteristics

Bed Section

Rollers Low In Frame: 7-1/2" Deep x 1-1/2" Flange x 12 Gauge channel frame. Includes side covers.

Rollers High In Frame: 5-1/2" Deep x 1-1/2" Flange x 12 Gauge channel frame. Includes full side covers.

Belt Over Roller

Endless belt constructed from durable, stretchable fabric. A center ring maintains belt tracking.

Rollers

1-7/8" Diameter, 16 Gauge, carrying roller with 7/16" hex axle.

Drive Rollers

(2) Automation 24VDC Brushless Motor Driven Rollers per accumulation zone on incline units.

(1) Automation 24VDC Motor Driven Brake Rollers per accumulation zone on decline units. Includes wire harness and motor control card.

Sensor

Side-mounted 24VDC polarized retro reflective photo-eye.

Axle Isolators

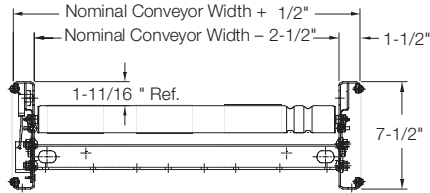
Specially designed conductive plastic insert isolates carrying roller axles from the conveyor frame to reduce noise and prevent wear.

Finish

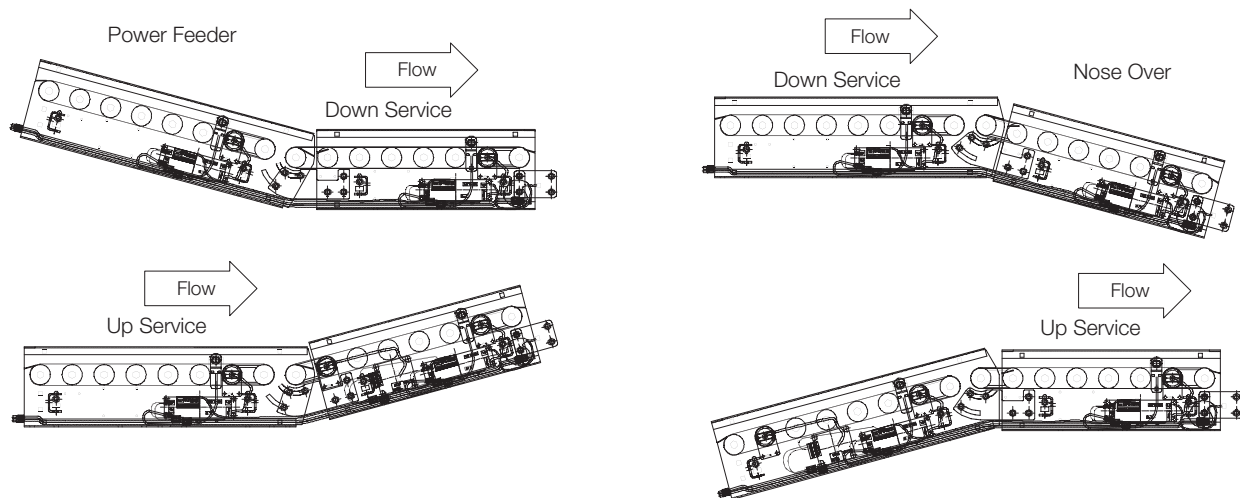
Conductive powder coated paint to prevent static charge build-up.

Technical Detail

Section View



Elevation View



Specifications

Typical Applications

- Transportation
- Elevation Changes

Live Load Capacity

75 lbs. per carton

Nominal Widths

18", 24", 30", and 36"

Nose over Splice

Adjustable 12 to 20 degrees

Power Feeder Unit

Bed length is 48" for 24" zones and 60" for 30" zone.

Options

- Guard Rails & Supports
- High Speed Rollers
- Drop Kit
- Punched for Top Mount Guard Rail