

# AutoRoll+™ Motorized Roller Curves, Spurs, and Merges (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 extending 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 frame with  
29-3/4" inside radius.  
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.

### Rollers

Tapered Carrying: 1-7/8"  
Diameter, 16 Gauge, carrying  
roller with 7/16" hex axle and  
plastic tapered sleeves.

### Drive Rollers

(1) Automation 24VDC brush-  
less motor driven roller per ac-  
cumulation zone. Includes wire  
harness, ERSC motor control  
card with accumulation logic  
or EZ24 motor control card.

### Sensor

Side-mounted 24VDC polar-  
ized retro-reflective photo-eye.

### Axle Isolators

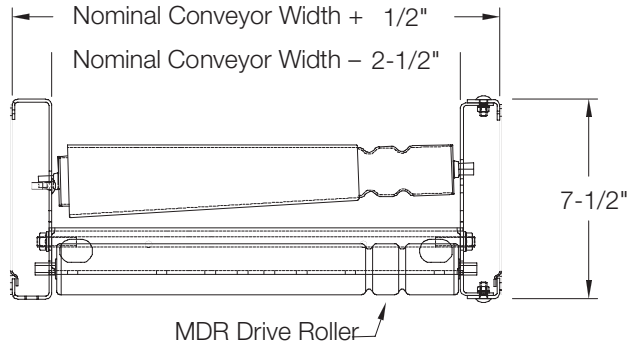
Specially designed, patented  
conductive plastic insert iso-  
lates carrying roller axles from  
the conveyor frame to reduce  
noise and prevent wear.

### Finish

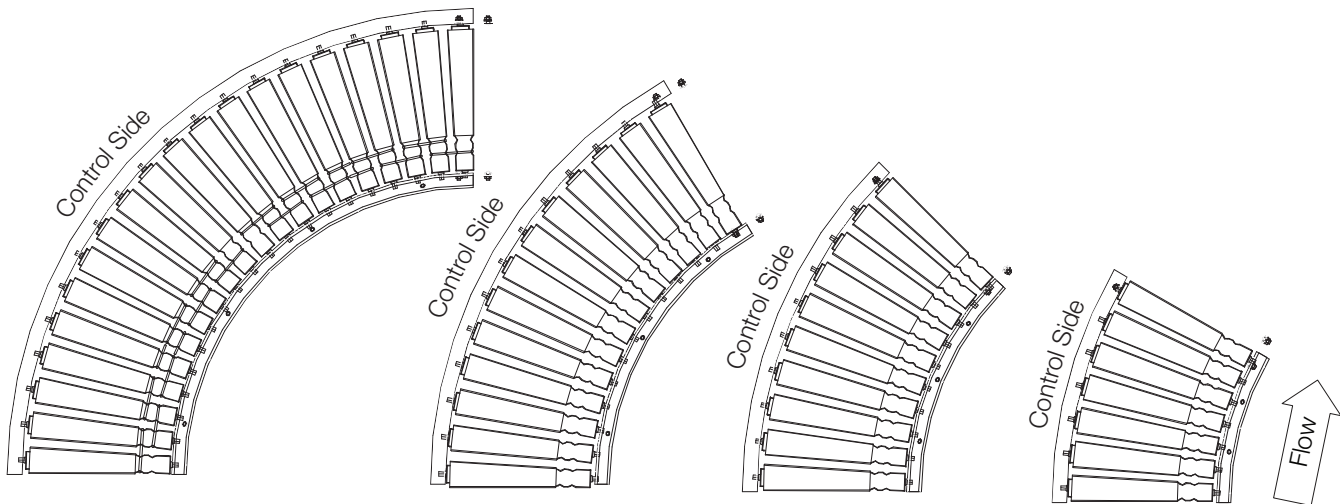
Conductive powder coated  
paint to prevent static build-up.

## Technical Detail

### Section View



### Plan View



## Specifications

### Typical Applications

- Transportation and Accumulation

### Live Load Capacity

75 lbs. per carton

### Standard Curve Offering

30°, 45°, 60°, and 90°

### Standard Junction Offering

30° and 90°

### Standard Nominal Widths

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

### Carrying Roller Centers

2" and 3"

### Options

- Guard Rail and Supports
- Hi-Speed Rollers
- Punch for Top Mount Guardrail.
- EZ24 Control Card