

MODEL "190MRA"

Medium Duty Motorized Roller Accumulating Conveyor



- **Energy Efficient Technology**
- **Zero Pressure Accumulation Conveyor**
- **Photo Eye Sensors**
- **24VDC - Brushless Motorized Rollers**
- **Quiet Operation**
- **Easy Installation and Wiring**
- **Low Profile Design**
- **Simple Maintenance**

Standard Specifications:

Beds - 15", 21", 27" and 33" wide between rails, 7" deep x 1 1/2" x 12 ga. painted, formed steel channel frame, bolted together with butt couplings and floor supports.

Rollers - 1.9" dia. x 16 ga. galvanized steel rollers with 7/16" hex axle and ABEC-1 bearings. Double grooved rollers spaced on 3", 4" or 6" centers are slave driven by urethane "O" rings from motor rollers. Rollers are set low in conveyor frame to provide guard rails both sides.

Motor Rollers - Motor rollers are 24VDC, brushless type for long life and high output. Each motor roller has the capability to provide accumulation, dynamic braking, slug unload, reverse and run at variable speeds as standard. Motor roller only runs when necessary and remains in sleep mode at all other times. A driver card for each motorized roller is included, but is application specific.

Sensors - Retro-reflective photo eye mounted to side of conveyor frame to detect product presence. Photo eyes operate on 24VDC.

Accumulation Zones - Standard zones are 18", 24", 30" or 36" long. Zone length must be equally divisible by roller centers.

Power - A "power supply" is required to convert 120VAC to 24VDC to power the motorized rollers - power supply sold separately.

Capacity - Motor rollers can handle product weights up to 100 lbs. depending on product type and conveyor speed.

Floor Supports - 30" to 44" adjustable from floor to top of roller. One support provided for each end of conveyor and at each bed joint. Other elevations are available.

Conveyor Speed - Standard conveyor speed range is 25 to 190 FPM. Other speeds are available.



Optional Equipment:

Curves - 30, 45, 60 and 90 degree curves available.

Right Angle Transfer - 90 degree right angle transfer, driven by motor rollers provide economical means for transferring product off or onto main conveyor line.

Electrical Controls - Complete electrical control system is available to control all functions of the motor rollers capabilities.