

# Motorized Drive Roll Conveyor

- Plug-N-Convey design
- Zero contact, zero pressure accumulation
- Virtually silent
- Low Power consumption
- Minimal cost for spare parts



All modules can ship complete with communication and power bus wiring installed and tested to reduce field installation time.

# Motorized Drive Roll Conveyor



## Motorized Drive Roll (MDR) vs. Traditional Conveyor

Attribute	Line-Shaft or Belt-Driven Live Roller	Motorized Drive Roll
Operation	Runs continuously	Only runs when product is present within a zone
Redundancy	Losing 1 drive stops the entire conveyor line	Losing 1 Drive Roller allows remainder of the system to operate.
Speed Adjustment	Fixed	Variable
Noise Level	High noise level	Virtually silent
Heat Generation	Continuous	Low operating temperature
Maintenance	Potentially high maintenance contains chains, belts, gears, etc.	Very low maintenance required 1 drive roller per zone.
Power Consumption	High – runs continuously, requires 220 VAC.	Very low – intermittent, DC powered, accurate starts/stops, no piping required for power connections
Air Requirements	Yes, can be greater than 7.0 CFM	None required for accumulation zones, may be required for ancillary components.
Spare Parts Requirement	12-15 recommended as safe	Minimal parts required
Safety Considerations	Many open areas, sharp edges on side frames caused by bolts and shaft protrusions. Powered belts present serious safety hazards.	Very safe, outside frame is smooth, frame serves as guard rail, no shafts or other protrusions
Aesthetics	Industrial type appearance, roller shafts and control devices highly visible	Smooth attractive appearance, no operational devices visible, can be custom colored to customer specifications.
Accumulation Areas	Limited to straight sections	Occurs automatically in straight and curved sections. Greater number of products can be accumulated within the system.
Accumulation Zone Maintenance	Significant, each zone has many high maintenance moving parts	Zone control is accomplished with no maintainable moving parts