The CarterRoll™ Spiral Merge/Divert Conveyor is durable, reliable and sized in various standard widths and radiuses for any spiral configuration or mounting. Each Spiral Merge/Divert Conveyor consists of motorized power rollers (MPR) and salve/idler rollers configured into zones - with the master power roller and idler rollers interconnected via "O" rings. Motorized power rollers are placed as needed along the conveyor to ensure consistent movement and control of the product.

FLEXIBLE
Our Spiral Conveyor allows loads to enter and exit spirals from multiple elevations. The modular design allows us to easily customize and modify the conveyor to accommodate your changing needs.

REDUCE COSTS
With the CarterRoll™ run-on-demand technology, each zone stops running when it is unoccupied, helping reduce operating costs and extending the product life of the conveyor.

EASY TO MAINTAIN
Both mechanical and electrical components for the CarterRoll Spiral Merge/Divert Conveyor are modular and interchangeable.

RUN-ON-DEMAND
The number of power rollers can be adjusted to accommodate various product sizes and weights. Our zone design also provides zero-pressure, zero-contact accumulation capabilities and a "run-on-demand" feature.
TECHNICAL DATA

Communication
- DeviceNet compatible
- Ethernet I/P
- Power and control system cabling enclosed inside channels

Applications
- Option enables spirals to be used in vertical sortation in cases such as palletizing
- Multi-level receipt and dispatch operation available

Mounting Capabilities
- Overhead to floor
- Clip-on design allows for mounting at any spiral zone

Product Detection
- Photo electric sensor/reflecter configuration

Frame
- 12 GA steel, cross member supports, available with or without protective covers

Conveyor Drive
- 24VDC powered roller

Controls/Power Requirements
- Controls available for any 24VDC

Supporting Mechanisms
- Provision made for outside curve mounting
- Overhead: provisions for ceiling attachments

FEATURES

30 to 220 FPM

40 lbs. per linear foot

24VDC operating voltage

Modular Component Design

Reduced Energy Consumption

Auto-activated zero-pressure, zero-contact zones

Standard between frame widths range from 15" to 36"

Plug and convey modules pretested and engineered to reduce maintenance

Reduced Noise Levels

CUSTOM CONFIGURATION

Merges and diverts are configurable at any 45 degrees of the spiral curve

2" or 3" Roller Centers

Configurable to any spiral conveyor manufacturers' radius

Optional paint colors available

Sensors included to provide accurate merging and diverting

Width and radius based on package and spiral size

O-ring transmission from -23 F - 120 F

STANDARD CONTENTS

Idler rollers
Coated idler rollers
O-rings