

# CarterSpiral™

## 24VDC MDR SPIRAL CONVEYOR



Carter Control Systems, Inc. dba Carter Intralogistics  
V1 - Updated 02.08.22

### ZERO PRESSURE ACCUMULATION

Run-on-demand, zero pressure accumulation technology allows product to accumulate along the entire carrying surface and eliminates contact between product. This ensures your product reaches its destination undamaged and provides precise product control for merging and diverting.

### MERGE & DIVERT AT ANY LEVEL

Merges and diverts are configurable at any 45° of the Spiral's curve, allowing product to move on and off the Spiral at multiple vertical levels and along multiple outbound directions.

### MINIMAL EQUIPMENT FOOTPRINT

Because CarterSpiral™ Conveyors allow material to be transported between multiple levels, they help reduce equipment footprint and maximize available space in the facility.

### INCREASED WEIGHT CAPACITY

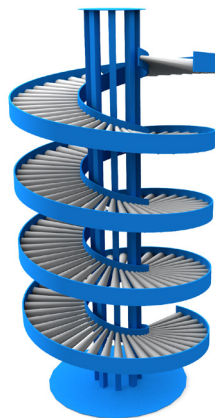
Unlike other MDR Spirals on the market, CarterSpiral™ Conveyors are capable of conveying up to 75 lbs per linear foot, perfect for efficiently transporting heavier loads vertically.

### DURABLE & LOW MAINTENANCE

Each zone only runs when needed to move product, reducing wear and tear over the lifetime of the Spiral. Components are modular and interchangeable for quick and easy maintenance.

### ENERGY EFFICIENT

Run-on-demand zones stop running if there is no product in that zone, increasing overall energy efficiency and decreasing operating costs.



### MADE BY CARTER INTRALOGISTICS

We pride ourselves in manufacturing our own conveyor. This helps us ensure competitive pricing and quick turn around times while guaranteeing top-notch equipment and quality support over the lifetime of the system.



### STANDARD SIZING

SPIRAL OUTSIDE DIAMETER	PACKAGES PER 360° ARC	VERTICLE SPACE BETWEEN LEVELS
63"	4	23.0"
73"	6	25.5"
98"	8	23.0"

### PRODUCT SPECIFICATIONS

Between-frame Widths: 15" to 36"

Weight Capacity: 75 lb. per Linear Foot

Operating Speeds: 40 to 230 FPM

\* Operating Speed Dependent on Application

Throughput: 30 to 50 Packages per Minute

Power Requirement: 480 or 208VAC

Operating Voltage: 24VDC

Supply Voltage: 120VAC

Detection: Photoelectric, Reflector or Retro-Reflector

Internal Wiring/Controls Containment

Product Rotation: Clockwise or Counterclockwise

I/O Control: PLC or Zone to Zone

Mounting Capabilities: Floor and Mezzanine

Operational Environment: 10-120° F, 10-95% Humidity