



## **CRUZBELT PRODUCT - EMPTY CARTON CONVEYOR (ECC)!**

A full width belt conveyor that breaks from the old belt traditions. The CRUZbelt unique design parameters such as integrated crossmembers, snubber slide brackets and end pulley cams result in minimal field adjustments and belt tracking.

ECC includes a rolling cam belt take-up integrated into the profile of the channel depth eliminates separate jack shaft adjustments, 2.5" end pulley that reduces the need for a transition roller for small product and a high quality durable monofilament belt. The Empty Carton CRUZbelt is designed to handle empty corrugated cartons only.



## **STANDARD SPECIFICATIONS**

### **Slider Bed Lengths:**

Slider beds are available on 1" increments from 2'-0" to 4'-0", on 3" increments from 4'-0" to 10'-0" and 12'-0"

### **Standard width**

Nominal Widths between Frames (BF):  
16", 22", 28", 34", 40" & 46"

### **Weight**

50 lbs./ft or 75 lbs. total

### **Configuration**

Standard incline/decline angles are 5°, 7°, 9°, 11°, and 13°. Noseover and double snubber modules complement the straights.

### **Belt support surface**

Slider pan

### **Belting black PVC monofilament**

Black PVC monofilament with longitudinal ribs. It is rated for 100 lbs. per inch of width tensile strength and is clipper laced.

### **Standard speed range**

30 FPM minimum to 300 FPM maximum.  
Not all speeds are available with all HPs.

### **Motors**

3-phase, 60 Hz, in-line helical gearmotor.  
HP varies by requirement, 1.0 to 5.0 HP. All motors are VFD capable and are premium efficiency.

### **Operating Temperatures:**

35° to 120°F

### **Accessories**

CRUZchannel shrouds and bottom pans

### **Paint**

Components located within the framework are painted black. All other components are painted per job color. All MHS Conveyor paint is powder coated.



CRUZbelt monofilament longitudinal rib top full width belting is provided on all ECC units.

## MECHANICAL CHARACTERISTICS

### Horizontal Slider:

A formed slider pan between CRUZchannel frames with welded bed connectors and painted crossmembers make up the frame. Return rollers are 1.9" diameter, with ABEC-1 precision bearings and 7/16" hex axles.

### Frame:

7-1/2" CRUZchannel (belt low) has 12 ga. formed steel side channels 7-1/2" deep x 1-5/8" flanges bolted-in crossmembers and welded bed connectors. Frames are painted job color.

### End Pulleys:

2.5" diameter DOM tubing, 11/16" axle, 6205 sealed bearing.

### Drive Bed:

3-phase 60hz In-line high efficiently helical gearmotor with self-aligning rolling cam take-up, brake motor provided as an option.

### Maximum OAL:

150' with standard drive and take-up, 200' with an auxiliary belt take-up

### Belt Types:

Belt: Longitudinal rub top monofilament full width belting used for ECC.

### Double Snubber:

The double snubber bed will transition the ECC from horizontal conveying to a pitched angle of up to 13 degrees without adding a second belt.

### Guardrail:

ECC comes with flared or straight guard rail for capturing product.

### Supports:

The ECC can be floor mounted or ceiling supported using a low profile anger that eliminates the extended support pipe into operator areas.

## ABOUT MHS CONVEYOR

MHS Conveyor is a leading worldwide supplier of dynamic, high-quality automated conveyor and sortation technologies used to transport a wide variety of products. MHS Conveyor manufactures high-quality equipment, sold through a partner network of factory-authorized distributors as part of complete, integrated logistics solutions engineered to meet the needs of each customer.

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