# **ELECTRIC CENTERING DEVICE**



### DESCRIPTION

- The Electric Centering Device is used prior to a Strapping System to center loads.
- The centering heads are scalloped, extending below the roller surface to ensure contact with bottom dunnage. The heads are hinged, folding up as contact is made with the load to crease dunnage at the bottom of the load, preparing it for strapping. Proximity sensors in the centering heads signal completion of the centering cycle providing maximum throughput regardless of load size.
- Electric Centering Devices can be operated manually or integrated into an automatic Strapping System. A control console is provided for safety functions, manual operation and selection of automatic modes.

### FEATURES

- 1.5 HP totally enclosed, fan-cooled induction motor for centering heads.
- Drops into existing conveyor drive length.
- Centering heads guided with hardened cam rollers on a cold rolled steel track.
- Dunnage deflectors provided with each device.
- Removable chain guards.
- Pre-wired drive motors and safety lockout switch and proximity switches.
- Made with precision CNC plasma cut and punched components.



## **ELECTRIC CENTERING DEVICE**

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**TYPICAL CENTERING DEVICE LAYOUT** 

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#### TYPICAL CONTROL CONSOLE LAYOUT



This typical control console (*Above*) is used as a manual override control station. Located on the operator side of the Strapping System for easy access it contains both emergency stop, and manual override controls.

This typical layout (*Left*) illustrates the use of an Electric Centering Device prior to the Strapping System.

SPECIFICATIONS	
Compatible Conveyors:	Compatible with most center-belt driven conveyors. Roller Conveyor (RC), Powered Live Roller Conveyor (PLR), and Powered Live Roller Accumulating Conveyor (PLRA).
Between Frame Widths:	72", 84",96", and 108" (1.8m, 2.1m, 2.4m, and 2.7m)
Standard Lengths:	5' 0" (1.5m)
Top of Roller Elevation:	12" Standard (305mm) Other heights available as needed.
Load Rating:	3,500 lbs (1,588 kg)
Minimum Air Requirements:	60 PSI Clean, Dry Plant Air at The Drops
Product Construction:	Rugged 5" (128mm) structural channel side frames, 1- 7/16" (37mm) diameter CRS drive shaft, and uses 1- 3/4" (45mm) and 3/4" (19mm) cam rollers and 1- 3/4" (45mm) cam followers to guide the head
Drive Components:	1.5 HP totally enclosed, fan-cooled, three-phase induction motor transmitting power through #60 roller chain and sprockets. <b>24-Volt Controller available at no additional cost.</b>
Rollers:	2-1/2" (64mm) diameter x 8 gauge high-strength, corrosion-resistant galvanized steel tubing placed on 3" (76mm) centers.



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