



# PAX PRODUCTS, INC

## EGDF Oscillating Conveyor

Patented

### Overview:

The Pax EGDF floor mount conveyor is an electrically driven, oscillating type conveyor that is designed to be a cost effective alternative to typical hinged belt and/or magnetic conveyors. This conveyor is designed to be attached to the floor and it will operate a single tray that will convey material away from the conveyor drive.

- The entire assembly will be mounted to a common base for ease of installation.
- The conveyor's elliptical drive mechanism is attached at the back of this base.
- The elliptical drive moves the conveyor tray in an oscillating motion, which conveys the material away from the drive mechanism.
- The tray rest on and is guided by UHMW wear pads, which are attached to the base and are located between the base the tray, (pads are located below and on both sides of the tray).

### System Features:

- ☆ No Belt Wear
- ☆ No Hinges to Jam
- ☆ Large and Low Profile Units Available.
- ☆ Can convey both magnetic and non-magnetic materials.



### System Specifications:

#### Electrical Specifications:

Standard Input Voltage----- 120 Or 480VAC, 60HZ (Contact Pax for alternate voltages).

Control ----- Variable Frequency Drive (VFD) is utilized to start and stop the conveyor.

Note: The VFD is to be remotely mounted by customer.

Tray Motion Sensor:----- Optional

Electrical Connection: ----- VFD unit has a 12' cord that quick connects to the conveyor. If the unit is arranged for an 120VAC, Single Phase, 60 HZ input; the VFD unit will also have a 7' long cord with a 3-pronged plug for a power outlet.

#### Mechanical Specifications:

Tray Widths----- 12" to 48"

Maximum Conveying Distance----- Depends on Number of units utilized.

Max. Tray Length for Single Unit with 18" Wide Tray ----- 40'

Max. Tray Length for Single Unit with 48" Wide Tray ----- 17'

Max. Material Load ----- 500 lbs.

Conveying Speed: -----Conveyor operates at approximately 100 cycles per minute. Conveying speed may be up to 25 fpm depending on part being conveyed and the cleanliness of the tray.

Standard Conveyor Height, Without Risers

Distance from Floor to Bottom of Tray: ----- 7.1"

Height of Exit End of conveyor, (without extended side rails): ----- 11.1"

Height of Motor End of the conveyor: ----- 12.2"

NOTE: Heights include 0.5" leveling plates being placed below the conveyor's anchor brackets.



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### Reference Sketch:

Note: The below sketches are for reference only. Some covers and other items are not shown in order to better explain the design concepts of this conveyor.

