



# PAX PRODUCTS, INC

## EGD-50 Oscillating Conveyor

Patented

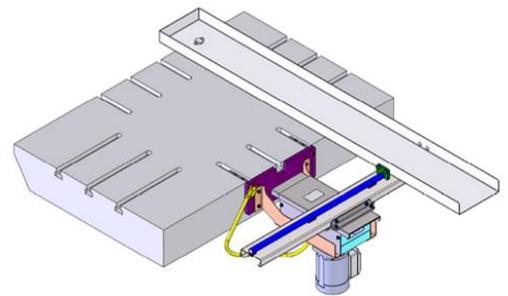
### System Features:

The Pax EGD conveyor is an electrically driven, oscillating type conveyor that utilizes an elliptical gear drive (EGD) to produce a reciprocating motion to convey parts and scrap out of the press area. Utilizing driven elliptical gears in a sealed oil bath provides an extremely reliable, high torque design that has:

- ☆ No Air consumption
- ☆ Simple Tray Attachment
- ☆ No Springs, Cams; or Free Clearance
- ☆ Robust, Elliptical Geared Drive



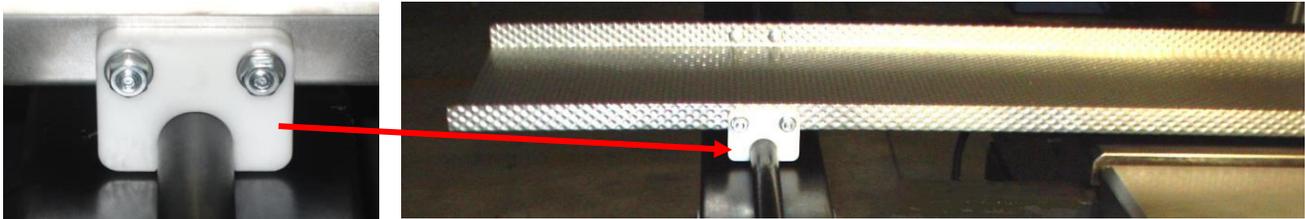
**EGD-50 Shown with 3' Cross Bar**



**EGD-50 Mounted to Bolster with T-Slot Mounting Bracket**

### System Specifications:

#### **Standard Tray Attachment:**



Tray brackets simply snap in place over the round portion of the cross bar without use of tools. The machined, acetal brackets bolt to the side of the conveyor tray and are able to rotate on the cross bar in the event that the tray needs to run on a slight angle.

#### **EGD-50 Conveyor Electrical Specifications:**

- Control ----- Unit is equipped with an on/off push button switch.  
Unit comes equipped with a 7' long cord with a 3-pronged plug.
- Power Requirement: ----- 120 volt, single phase, 60 hertz (alternate voltages avail.)
- Motor Type: ----- Parallel shaft, AC, Gear motor

#### **EGD-50 Conveyor Mechanical Specifications:**

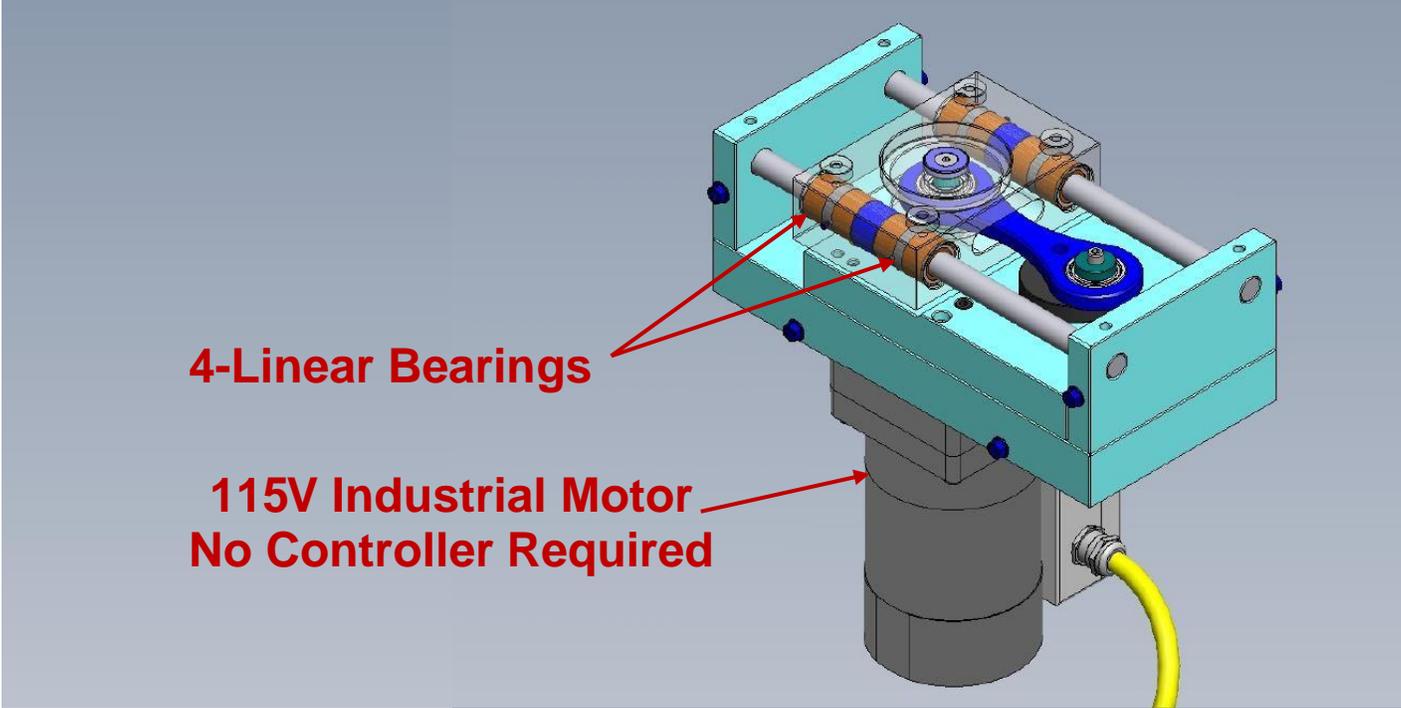
- Cross Bar Length: ----- Standard Lengths are 12", 18", 24", 30", 36", 48" and 60".
- Max. Total Tray Weight: 50 pounds.
- Max. Part/Scrap Weight: - 100 lbs (not including Trays)
- Weight of Drive Unit: ----- 65 pounds (not including cross bar, options, or packaging)
- Conveying Speed: ----- Conveyor operates at approximately 125 cycles per minute.  
Resulting conveying speed may be up to 25 feet per minute depending on the type of part being conveyed and the type and cleanliness of the tray.

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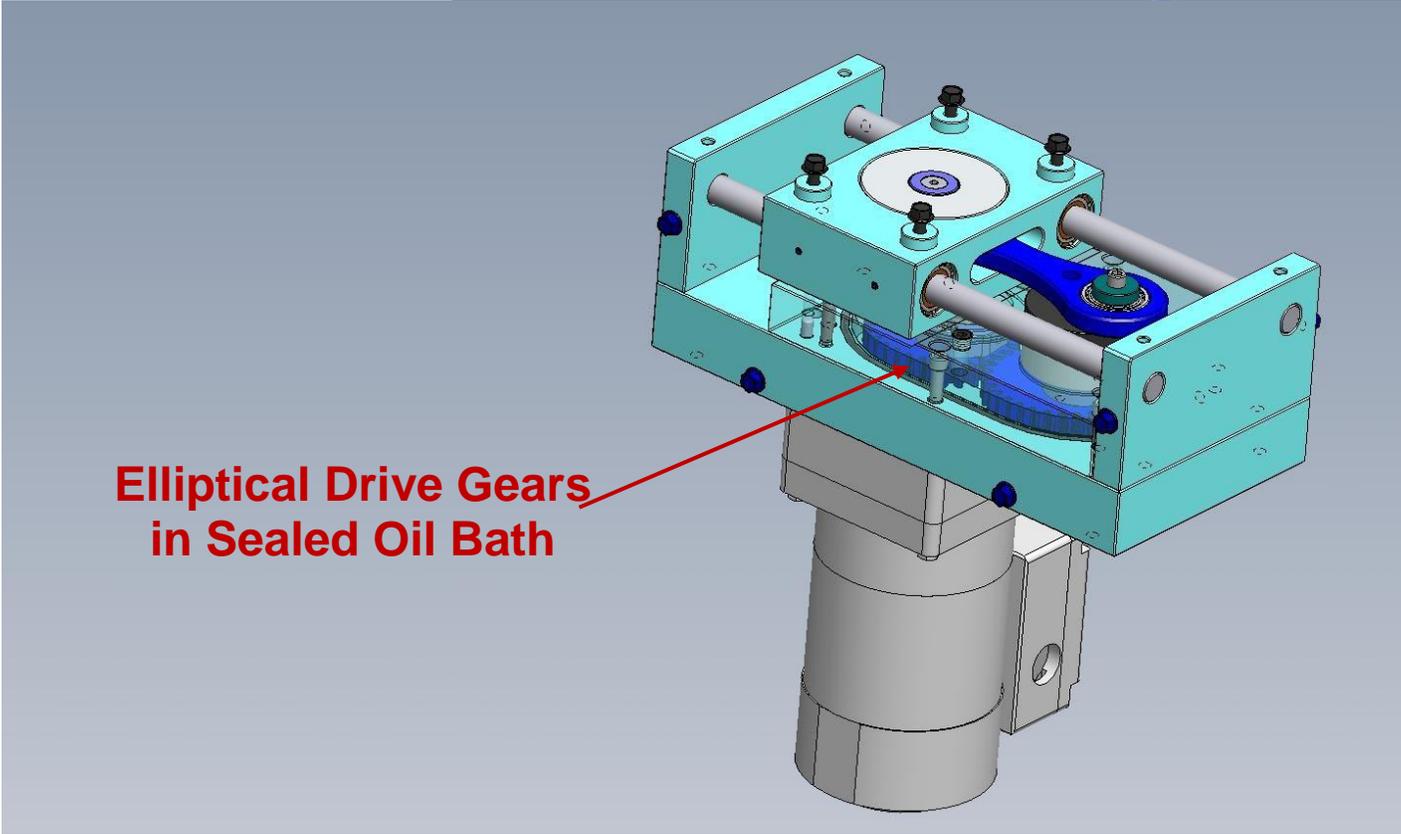
### EGD-50 Reference Sketch:

Note: The below sketches are for reference only and are provided to explain the design concepts of this conveyor. The actual conveyor construction may vary from what is depicted in the sketch.



**4-Linear Bearings**

**115V Industrial Motor  
No Controller Required**



**Elliptical Drive Gears  
in Sealed Oil Bath**