PROEDGE TECHNOLOGY

55” Return Conveyor

Material Handling for your Production Needs

Backed by our Industry Leading

2 YEAR

Peace-of-Mind Warranty

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After the sale, it’s the service that counts!

55” Return Conveyor

Material Handling for your Production Needs

Pro Edge Technology’s Return Conveyors are specifically designed to meet the high demand for material handling, saving you labor cost while streamlining your workflow. Our automatic return conveyor incorporates a fast, simple, ROBUST and highly effective transfer system increasing your daily production goals.

The operating principle of the receiving table with a mechanized raising of all of the timing tooth roller belts transferring the part onto rollers gently transferring it 90 degrees to the parallel return conveyor. Once the panels have cleared the receiving table the timing roller belts return to their lowered position to receive the next work piece. The pass line between the receiving table and the parallel return is approximately 50mm to avoid interference when oversized panels are traveling in opposite directions.

The in-feed receiving table comes **STANDARD** with a **small part diverter** and a **MOTORIZED roller hold-down** for SMALL parts.

The operating speed of the return conveyor is set to match the operator’s selected speed of the edgebander via the HMI.

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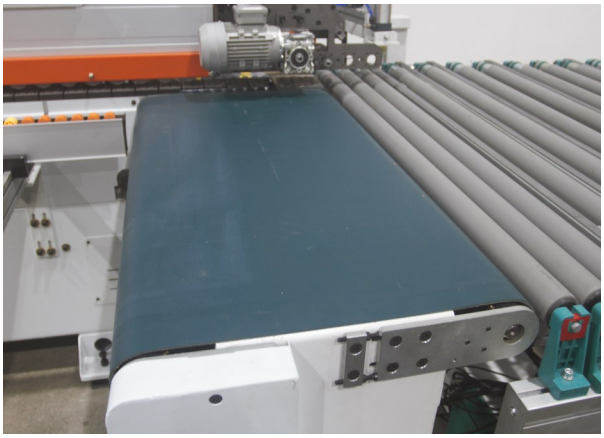
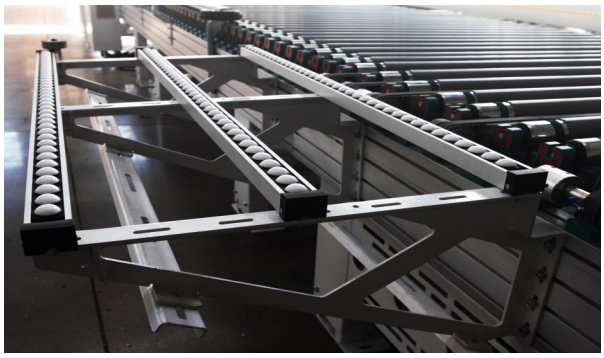
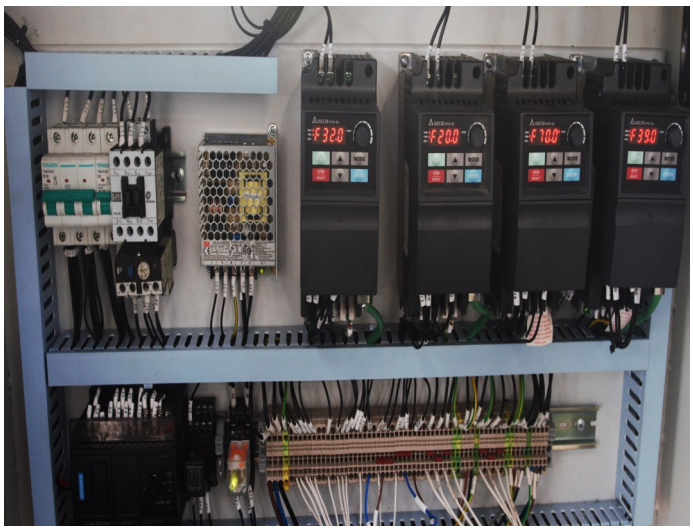


- Motorized in-feed receiving conveyor belt is extended to parallel the edgebander’s out-feed track.
- Small part motorized out-feed rollers to assist small parts when exiting the edgebander’s outfeed track.
- 2 (two) adjustable photoeyes to divert small parts across multiple return rollers.
- Oversized 55” rollers to prevent oversized parts from tipping while being fed onto the receiving table.
- In-feed receiving table ships as 1 (one) complete unit.



- Extended out-feed table comes **STANDARD** allowing oversized parts to rotate back onto the receiving table.



- Clean, well-organized control panel design.
- **Delta VFD** (Variable Frequency Drive).
- **Delta PLC** (Programmable Logic Controller).
- Voltage: 220V/3-Ph.
- HMI touch screen for operator interface.

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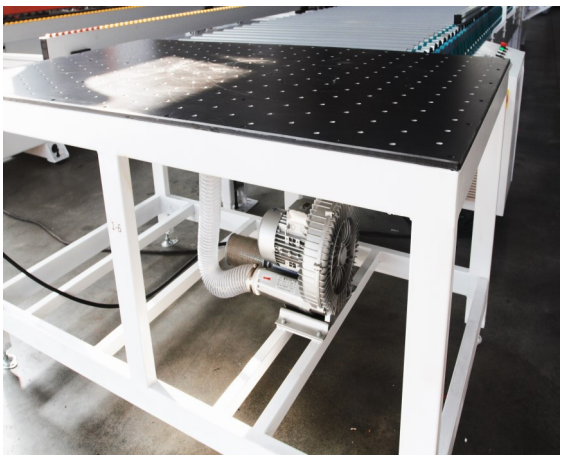
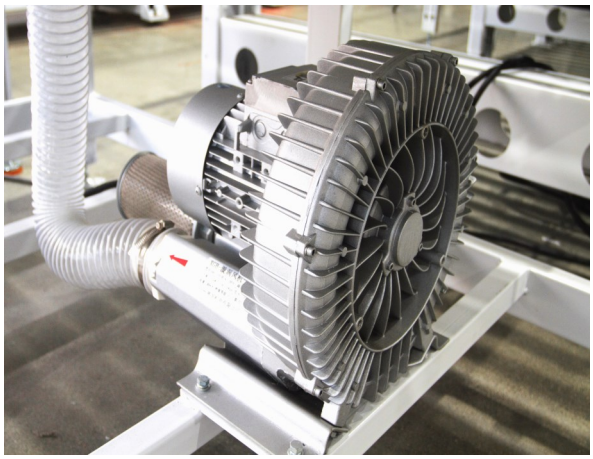
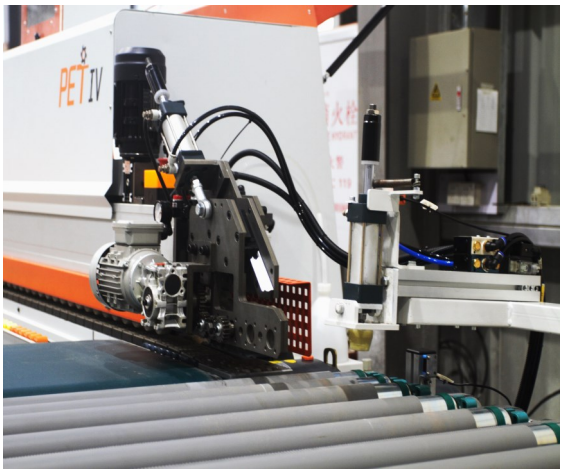
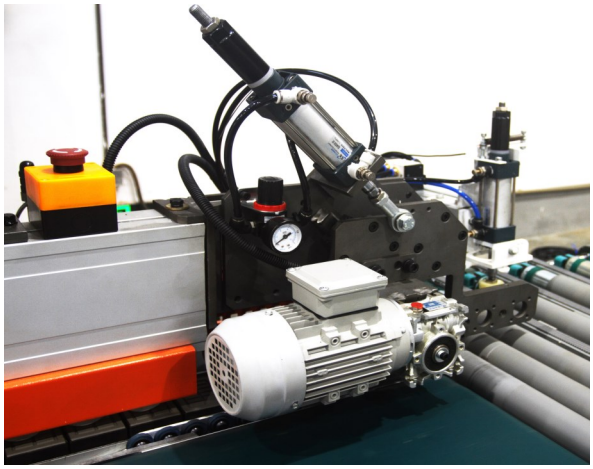




- The floating air receiving table with blower motor used for protection of finished parts.





- Heavy duty construction motorized out-feed roller to assist parts as they exit the edgebander.
- Heavy duty out-feed roller drive mounted and linear bearing guide.
- Variable feed seeds, adjustable up to 28m/min; *factory preset at 12, 16 and 20 m/min for **PET Series Edgebanders**.*
- Oversized heavy duty air cylinders.
- Motorized out-feed drive is automatically raised and lowered according to part size.

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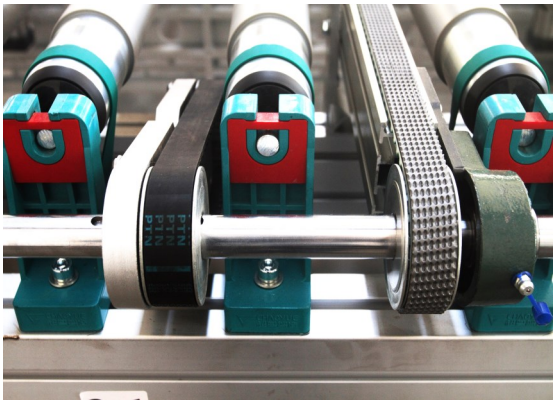
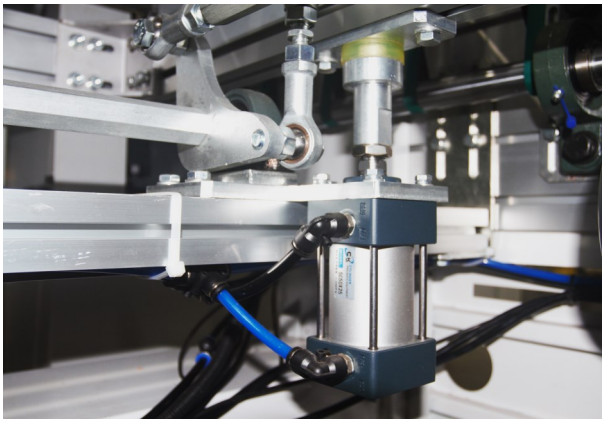
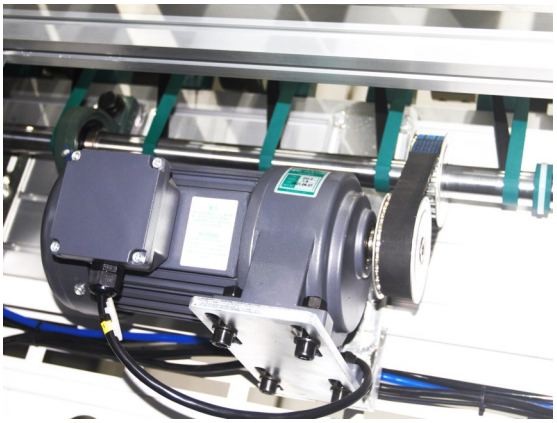


- Extended out-feed table comes **STANDARD** allowing oversized parts to rotate back onto the receiving tale.





- Heavy duty welded frame construction.
- Machined transfer supports with bearing eye cupplings.
- Variable feed seeds, adjustable up to 28m/min; *factory preset at 12, 16 and 20 m/min for **PET Series Edgebanders**.*
- Oversized heavy duty air cylinders.
- Heavy duty drive motors.
- Heavy duty drive timing belts.
- Large flat drive belt used on all return rollers.
- Delta VFD drives used on all drive motors.

Specifications:

- Variable Feed Speeds: Adjustable up to 28 m/min.
- Min. Part Size: 4” x 8”.
- Max. Part Size: 48” x 96”, with outrigger.
- Voltage: 220V / 3-Ph.
- 12 amp
- 1/2 inch air line required

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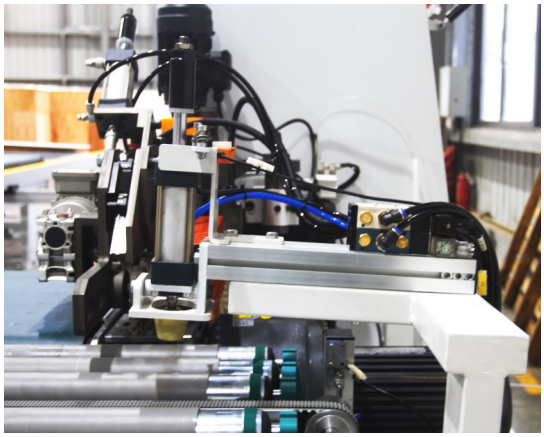
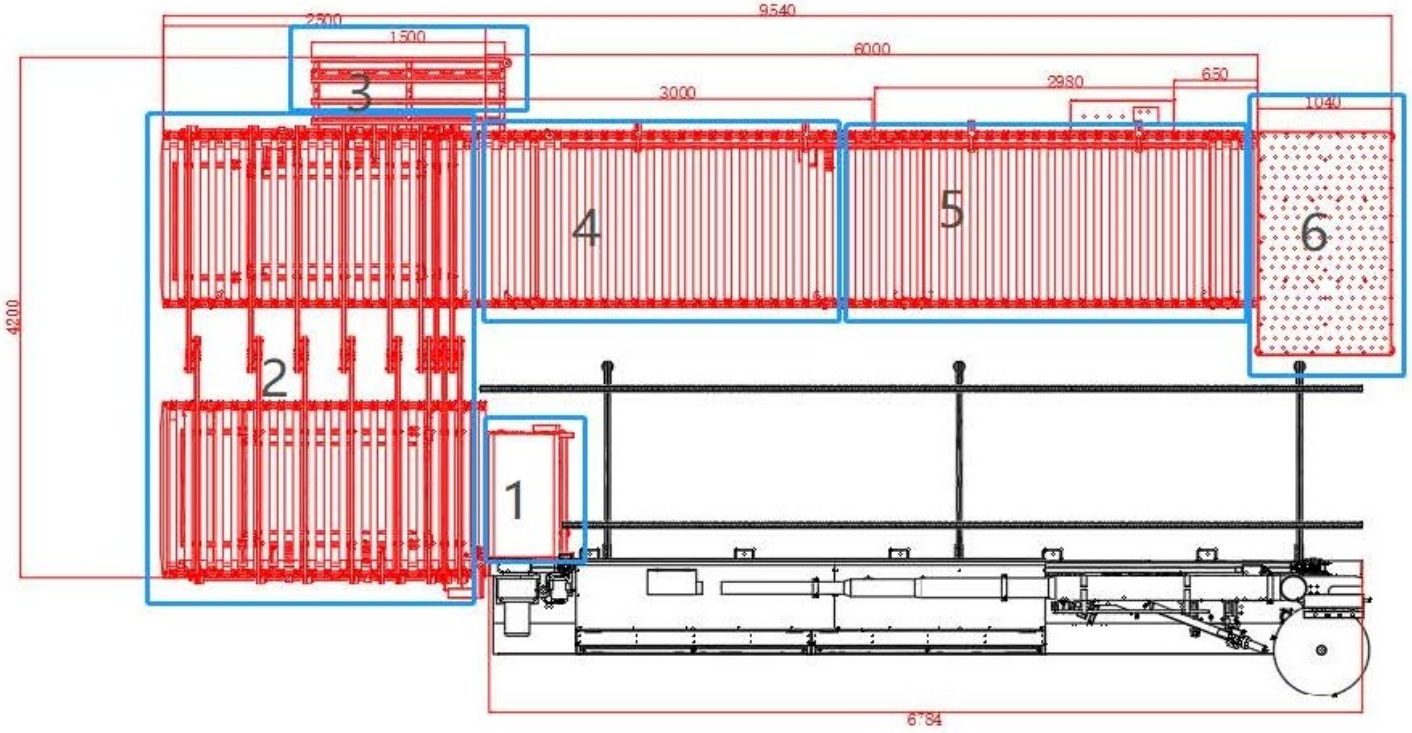


- Automatic adjustable small part diverter.

- Heavy duty extruded aluminum frame construction.
- Heavy duty gear box with Delta VFD drives.
- Variable feed speeds, adjustable up to 28m/min; *factory preset at 12, 16 and 20 m/min for **PET Series Edge-banders**.*
- Oversized heavy duty Steel legs.



- Dimensions of return conveyor and PET IV edgebander.