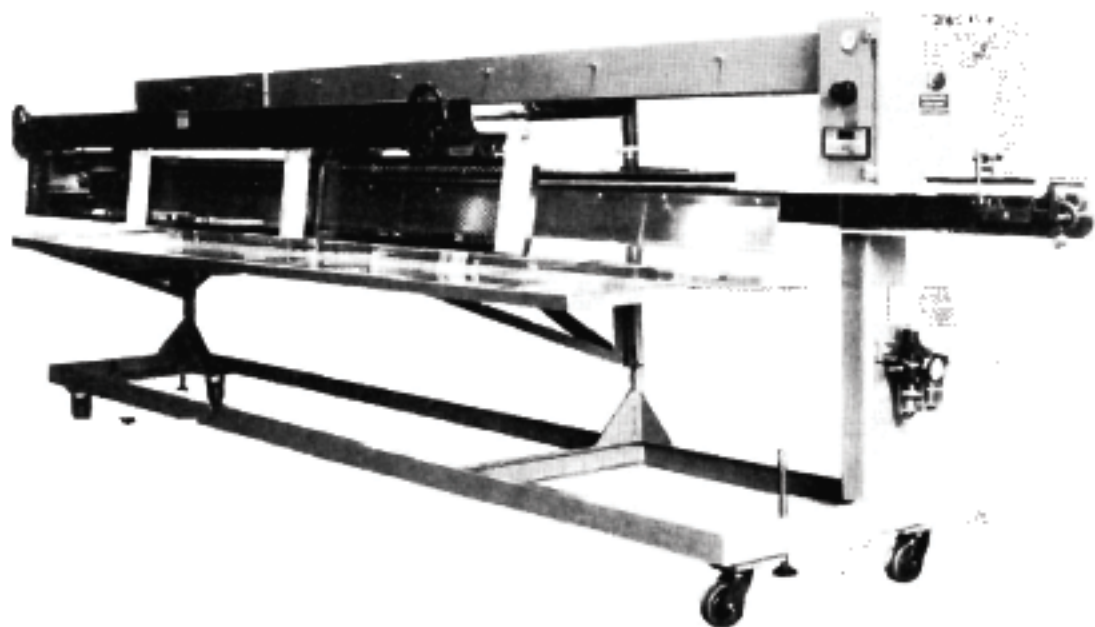


PDU SERIES PNEUMATIC DISCHARGE UNIT



APPLICATION:

- For transfer on in-line cut-to-length extrudates including flexibles to a collection point through the use of cross-line manifold/nozzle system at a rate of 60 cycles per minute.

MODELS AVAILABLE:

Model	Belt Width	Maximum Part Length
PDU34	3 in.	48 in.
PDU38	3 in.	96 in.
PDU312	3 in.	144 in.

FRAME:

- Constructed of heavy wall tubing, plate and structural sections
 - 6 inch dia. textite casters with height adjusters/floor stops
 - Adjustable centerline from 40 to 44 inches
 - All carbon steel surfaces are primed and top-coated with production enamels

CONVEYOR:

- 3 inch wide PVC conveyor belt
 - Embossed surface to assist part removal and reduce part to belt adhesion
 - Guide rib on bottom of belt to insure positive, mechanical tracking
 - 3 ft. cantilevered, low profile entrance end to match or insert into adjacent equipment
 - Adjustable inlet guides to insure proper part placement on belt

AIR MANIFOLD AND PHOTOEYE SENSOR:

- 1 inch dia. copper manifold
 - 1/4 npt ports spaced at 4 inch intervals insuring uniform part discharge
 - Multiple air supply distribution to manifold from a single input to eliminate pressure drop down the entire length of the manifold
 - Individual port flow adjustments/shut-offs
 - Filtration of compressed air to insure clean, dry air for part discharge.
 - 30 gal. air accumulator to reduce surge demands on plant compressed air system
- Photoeye sender/receiver
 - Photoeye is of a diffused type allowing for sensing from one side only and eliminate sender to receiver alignment problems
 - Adjustable mounts and LED target indicator to insure proper photoeye alignment

PART REMOVAL AND PACKAGING:

- Adjustable angle deflector guides part into packaging box or table for subsequent removal
 - Part rolls down deflector after pneumatic ejection causing the part to be placed in the box or on the table in a straight, organized manner
- Packaging table is adjustable for various box sizes

DRIVE, CONTROLS AND ELECTRICAL SERVICE:

- Drive
 - 1/2 HP DC permanent magnet motor
 - 2-5% speed regulation at 95% load change
 - 20:1 speed range (range is customer specified)
 - Direct driven; no belts or chains reducing maintenance problems
- Controls
 - Conveyor start, stop push buttons
 - Single turn speed potentiometer
 - LED line speed display
- Electrical Requirements
 - 115 Vac, single phase, 1.2 kva

OPTIONS:

- Box shuttling system
 - Automatic indexing of full box to the unload position and empty box to the loading position
 - Includes a programmable part counter to initiate box change-over at a desired count
- Full box audible and visual signaling system
 - Includes a programmable part counter to signal the operator that the desired part count has been reached
- Box oscillating system
 - Automatically indexes box an incremental, adjustable amount to prevent part buildup in one area of the box. This feature is useful when processing tacky materials such as flexible PVC or urethanes.
- Different conveyor belt materials and/or textures
- Electrical services other than 115/1ph/60hz



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