

RECIPROCATING PLACER

TRAY DENESTER



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The Reciprocating Vacuum Placer/Denester is a stand-alone, flexible, intermittent motion machine designed for picking and placing a variety of stackable items into or onto another product or as a tray feeding device at the front end of a production line.

Functional Design, Easy Access Construction:

- Heavy-duty cold rolled steel frame with Melonite coating.
- Three construction grades to match application needs, including water resistant/wash-down
- Clear visibility and easy-access guarding provide access to machine.

Range of Product

- Product size dependent upon machine width and pick arm size.
- Trays: Paperboard, aluminum, plastic
- Bowls, tubs & lids.
- Pouches or premiums.
- Pizza paper sheets.
- Cards, coupons, labels.
- Virtually any stackable item.

Machine Features (Standard)

- Multiple sizes to suit application.
- Various drive options for greater flexibility and ability to pick products that were challenging in the past.
- Casters for mobility and adjustable foot pads.
- PLC controlled – brand flexibility allows flexible configurations
- Drives, vacuum generators, and bearings that have been proven to be long lasting.

Options

- Quick-change magazine and vacuum stem assemblies for quick, repeatable changeovers.
- Multi-Lane, stacked magazines
- Mechanical grippers
- Line controls to meet customer needs.
- Signal options: Photo eye, batch counter, fixed cycle rate signal, timer to signal, encoder or customer to signal.
- Low magazine or missed item signal options.
- Carts for quick-change magazines and tooling.
- Swivel HMI station.
- Bar code reader and verification
- Drive – Servo or Pneumatic
- Vacuum pump filters

Specifications

Speed

- Up to 60 cycles per minute per lane.
- Speed is dependent upon product characteristics

Product Configuration

- Multiple magazine lanes to provide higher output.
- Magazine lanes perpendicular to flow or in-line with flow.

Machine Models

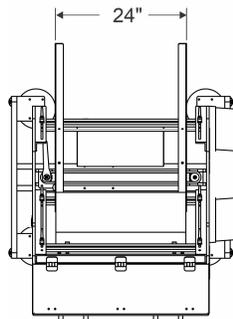
- 12", 24", 36" and 48" wide standard models, custom widths available.

Electrical

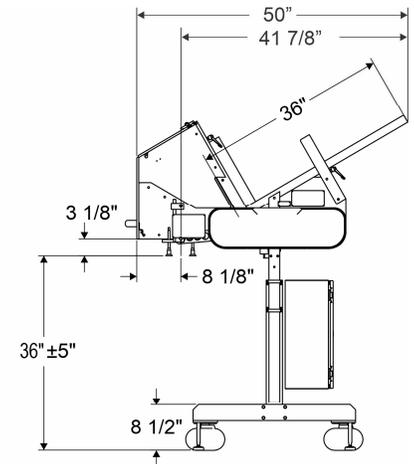
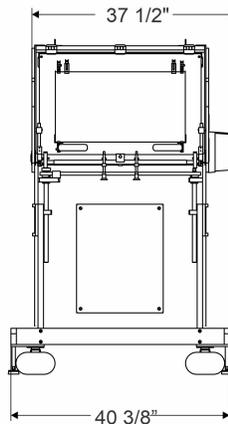
- Control Voltage: 24 VDC
- Supply Voltage: 120 VAC (220/460 VAC optional)

Air Requirements

- 80 PSI clean/dry air.



Top View



Floor plan for 24" wide x 12" arm model