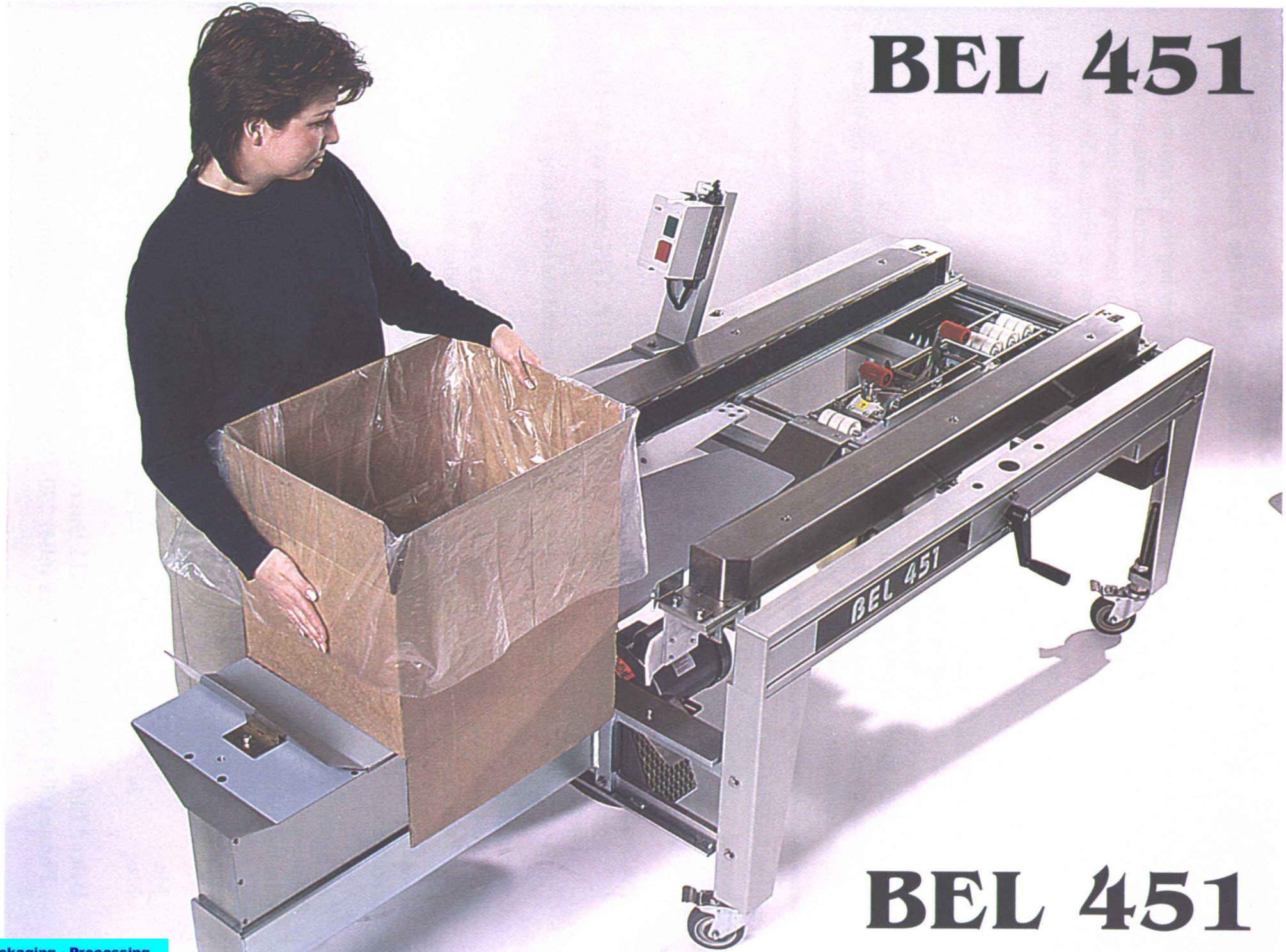
BEL 451



BEL 451

Poly Bag Inserter & Pack Station with Bottom Only Case Taping

Packaging - Processing
Bid on Equipment
1-847-683-7720
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BEL 451

Poly Bag Inserter & Pack Station with Bottom Only Case Taping

The NEW BEL 451 is designed for manual bulk filling lines where a poly bag liner is required to be inserted into the case. Proper product filling requires the poly liner to be fully inserted leaving no voids in the box corners. Automating the laborious and time consuming process of inserting the liner into the case by hand has been possible only through costly fully automated systems which on low speed manual lines are often cost prohibitive. The BEL 451 provides a cost effective alternative that improves efficiencies and ergonomic safety for operating personnel.

BEL 451 **Operating Sequence:**

1. Operator places case over the vacuum plenum with bottom minor flaps folded
2. Operator places poly liner into case and cuffs it over the top flaps
3. The vacuum system draws the liner fully into all four corners of the box
4. Operator transfers the case into the taper where pressure sensitive tape is applied to the bottom of the case leaving the top open to be filled later in the production line.

Machine Specifications

- Electrical
  - NEMA 12 standard, 110 VAC, 60 cycle, 1 phase (other voltages available)
  - Vacuum System: 110 VAC, 60 cycle, 1 phase – ¼ h.p. TEFC motor
- Drive System
  - Speed synchronized Uni-Drive side belts powered by 1/2 H.P. TEFC motor and 3/4 H.P. rated gear reducer.
  - Leder brand rough top continuous loop with stepped splice and vee belt backing.
- Construction
  - Heavy duty corrosion resistant high tensile aluminum, with stainless steel plenum
  - Paint free anodized aluminum plated and stainless finishes, all stainless fasteners.
- Speed – 5-7 cases per minute depending upon box size, and operator proficiency
- Infeed/Outfeed Height Minimum: 23 ½" / 597 mm with adjust. leg extensions
  Maximum: 32"/ 813 mm
- Tape Head - Standard: DEKKA 22 2"/ 50 mm or Optional DEKKA 23 3"/ 75 mm
- Plenum size range - Fixed length, Width; plenum width is 1 1/2" or less than case width and additional plenums can be purchased depending upon case size range.

Case size range: BEL 451

	Length	Width	Height
Min	8" / 203 mm	5 1/2" / 140 mm	3 1/2 " / 89 mm
Max	24" / 609 mm	17 3/8" / 441 mm	unlimited

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