

Section 1.0 General Description

1.1 Machine Description

The Hartness Model 825 Soft Touch Case Packer is a very efficient fully automated machine which combines the technology of a drop packer and a place packer without the use of complicated lowering heads. The machine's ability to stage a second case of containers, while the first case of containers is still being placed in the case, enables the Case Packer to run efficiently at high speeds. The "Soft Touch" design advantage allows the grid elevator system to gently lower the containers into the case before releasing them for the last minimal distance of free fall. The Model 825 Soft Touch Case Packer has several unique features which make it one of the most desirable packers on the market today for both large and small packagers. See Figure 1-1.

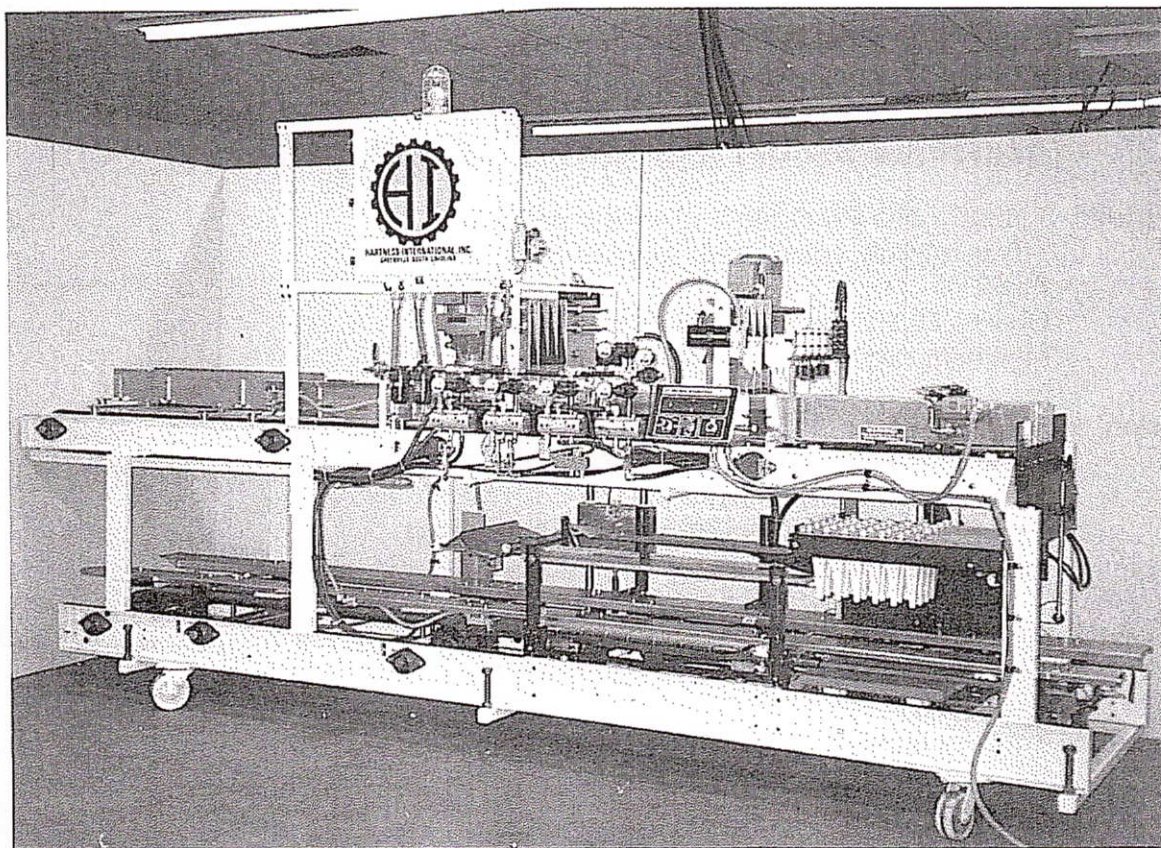
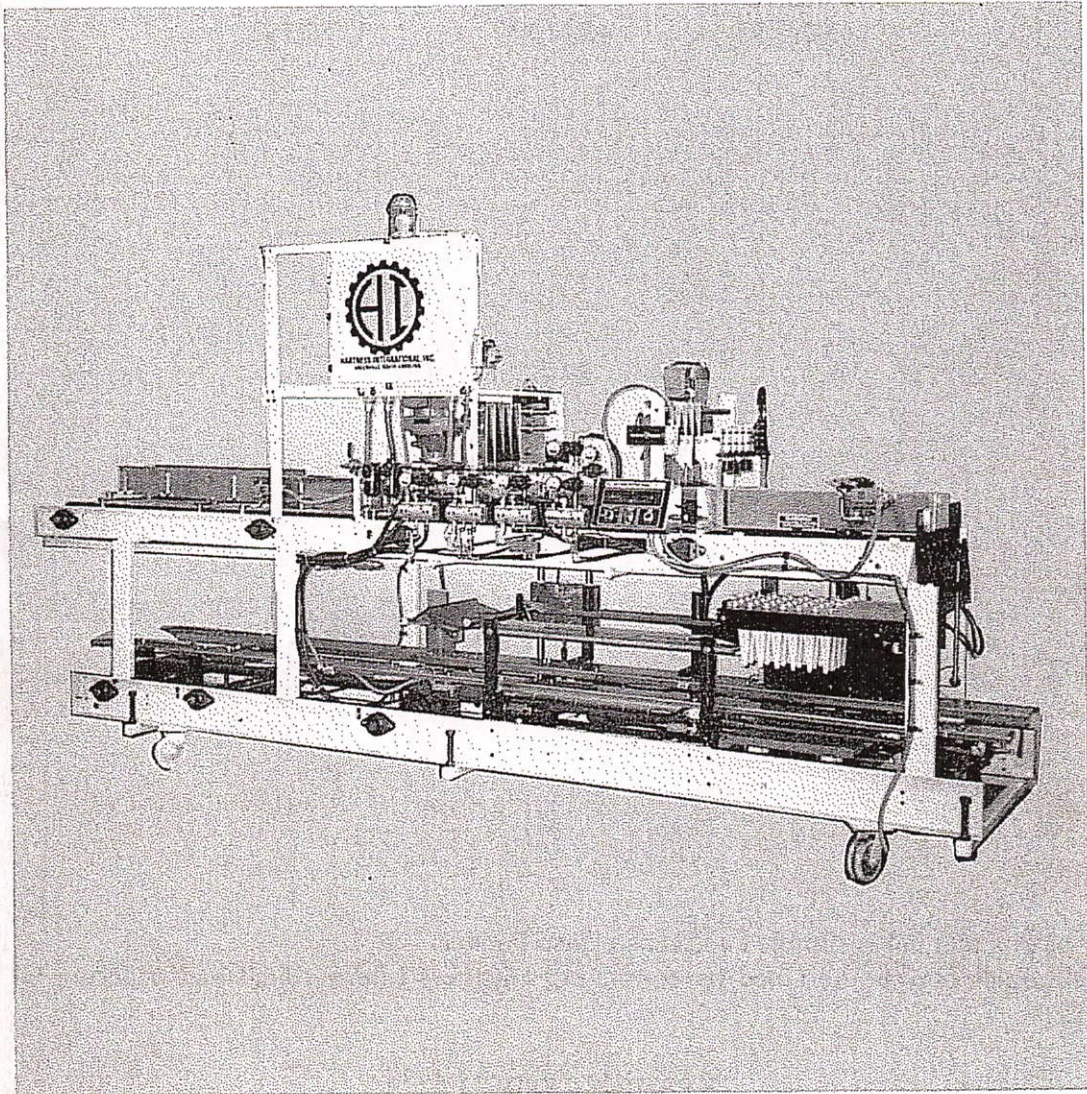


Figure 1-1 Model 825 Case Packer

OPERATION MANUAL FOR MODEL 825 CASE PACKER



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1.1.1 The Model 825 is designed to collate bottles on a bottle infeed conveyer while staging an empty case directly underneath them. The bottles are delivered to the case by a grid finger and elevator system. The machine has the versatility to pack various sizes and shapes of containers into various case constructions, such as plastic, cardboard, and wood. Durability, and efficiency, incorporated into the design of the Model 825, allow it to pack cases at speeds in excess of 25 cases per minute.

1.1.2 The optional items available on the Model 825 Case Packer are grid baskets for specific packing applications, an Automatic Lubrication System, a Flap Opening and Control System, a Laner for the bottle infeed area, and a Down Bottle Detector. (For further details on optional items see Section 9.0.) A stainless steel frame construction is available for packagers with corrosive environments, requiring extensive washoffs. The remainder of Section 1 gives a general overview of the various electrical, pneumatic, and mechanical functions of the machine.

CAUTION: *Please read the entire manual before attempting to operate the packer.*

1.2 Machine Specifications

The Model 825 Case Packer is designed in accordance with the technical data outlined in *Figure 1-2*. This data is usually constant for each Case Packer and can be used as a quick reference to the design parameters of the machine.

Hartness Model 825 Soft Touch Case Packer

Electrical: - Voltage - 230/460 (Unless otherwise specified)
110 at controls, transformer supplied by "Hartness"
- Phase - 3
- Cycles - 60 Hz (unless otherwise specified)
- Minimum electrical service recommended is 20 AMP.

Standard Packer Motors:

- Bottle Conveyor - 1 horsepower "Eurodrive variable speed drive (Standard)" or "Reeves" Drive (Optional).
- Case Conveyor - 3/4" horsepower "Baldor" fixed speed drive

Optional: For packers using an "S" curve bottle infeed an additional 1 horsepower variable speed drive is required. (Eurodrive (Standard), Reeves (Optional)).

Pneumatics: Air Consumption - 15 SCFM @ 30 cycles/min. (Standard)
18 SCFM @ 30 cycles/min. (Air Transfer)
Minimum supply - 80 psi through 1/2" pipe

Design Characteristics:

- Bottle Conveyor Speed - 17 to 139 feet/minute
- Case Conveyor Speed - 96 feet/minute
- Approximate shipping weight - 4200 lbs.
- Minimum height of bottle infeed conveyor - 45"
- Minimum height of case infeed conveyor - 15 1/2"

Figure 1-2 Machine Specifications