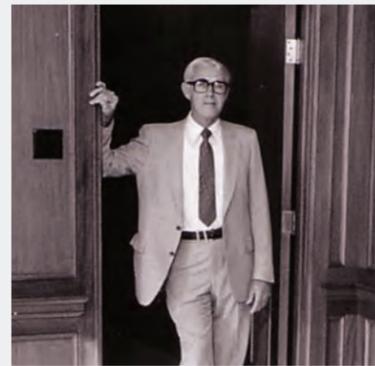




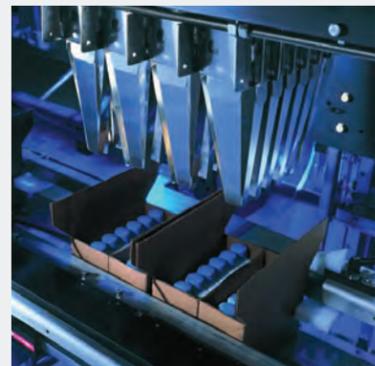
Case Packing

Precise. Versatile. Proven.





Tom Hartness circa 1990



Hartness grid finger technology

Industries Served:

- Soft Drink
- Juice and Water
- Food
- Beer, Wine and Spirits
- Home and Personal Care
- Pharmaceutical
- Automotive
- Glass Manufacturing

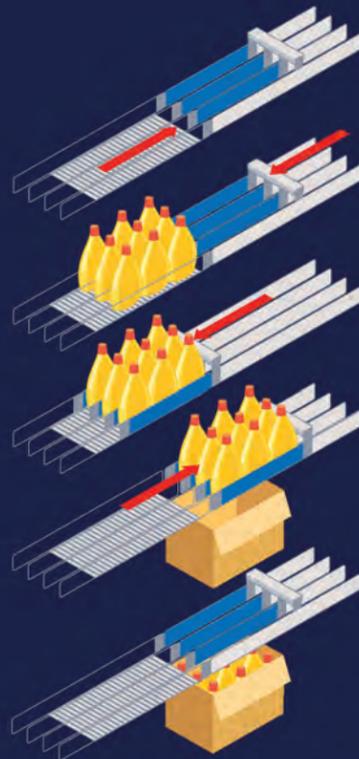
Powerful Commitment: Service and Satisfaction

Tom Hartness began his career as a soft drink bottler, so our roots in the packaging equipment industry run deep. We started just like many of our clients — a user needing quality packaging equipment that would improve the efficiency of our operations. Our untiring commitment to customer satisfaction and our vertically-integrated machine manufacturing philosophy are both heavily influenced by our past for the benefit of our clients' future. Today, Hartness' powerful commitment to customer satisfaction and proven innovation is as strong as ever.

As a market leader in the consumer packaged goods sector, Hartness' experience, innovation and superior service have instilled resounding confidence in our customers for over 50 years.

Vertical Integration and Innovatively Simple Design

As a part of our commitment, Hartness employs a vertically-integrated manufacturing philosophy. This manufacturing strategy is core to the Hartness philosophy and ensures quick response and world class quality. In the Hartness tradition, our machines are made as simply and reliably as possible. Each machine is designed with simple innovation in mind, utilizing as few moving parts as possible. As a result, our machines change over quickly, consume fewer parts and are among the most reliable in the world.



Proven Innovation: Hartness Air Transfer Technology

- / *Precise alignment of containers without line pressure*
- / *No need for dead plate in loading area*
- / *Eliminates chiming due to line pressure*
- / *Handles difficult products such as trigger sprayers reverse tapered glass bottles, oval bottles*
- / *Backed by over 50 years of practical application experience*

Proven Innovation: Grid Technology

In top-load applications, our unique grid technology ensures the reliable placement of containers into both partitioned and non-partitioned cases. Hartness' patented plastic finger system gently guides containers precisely where they need to go within the secondary package, avoiding breakage, product damage and packing inaccuracy, while drastically increasing machine efficiency. No other case packing manufacturer matches Hartness' application experience, our distinctive grid design or our full range of case packing solutions.



Positive Placement Packing option for lightweight or pressure sensitive products

Hartness Model 2800 Case Packer

Models and Features

Our extensive case packing experience, unique grid technology, vertically-integrated machine manufacturing and diverse product line combine to form a case packing suite in a league all its own.

Proven Innovation. Powerful Commitment.



Intermittent Motion Case Packers

- / 1900 Compact Packer
- / 835 Versatile mid range Packer
- / 2800 Servo controlled



Continuous Motion Case Packers

- / 2650 Series inline Packer
- / 3500 Rotary Place Packer



Laners

- / 2210 Freestanding pneumatic Laner
- / 2260 GlobalLaner with continuous feed flow



Decasers

- / D-1000 inline Decaser with integrated single filer
- / 3600 GlobalPick Rotary Decaser



Shrink Wrapper

- / 4510 Tray, Pad and Film only
- / 4520 Film Only, up to 3 tracks
- / 4530 Film Only, Pad, U-board

Proven Innovation: Extensive Application Experience

For over 50 years, HARTNESS has provided innovative solutions for virtually every case packing application required for the consumer packaging market. Over time, we have developed a portfolio of engineered solutions that enable our clients to solve even the most difficult case packing challenges. Reverse tapered glass, shingling oval bottles, and light-weighted containers are all common applications for Hartness' experienced team of packaging engineers. Hartness also offers a variety of round containers solutions for both high and low speed lines. These proven solutions, when combined with Hartness' unyielding commitment to customer satisfaction and vertical integration capabilities, have enabled our clients around the world to confidently select HARTNESS for their case packing needs for over five decades.

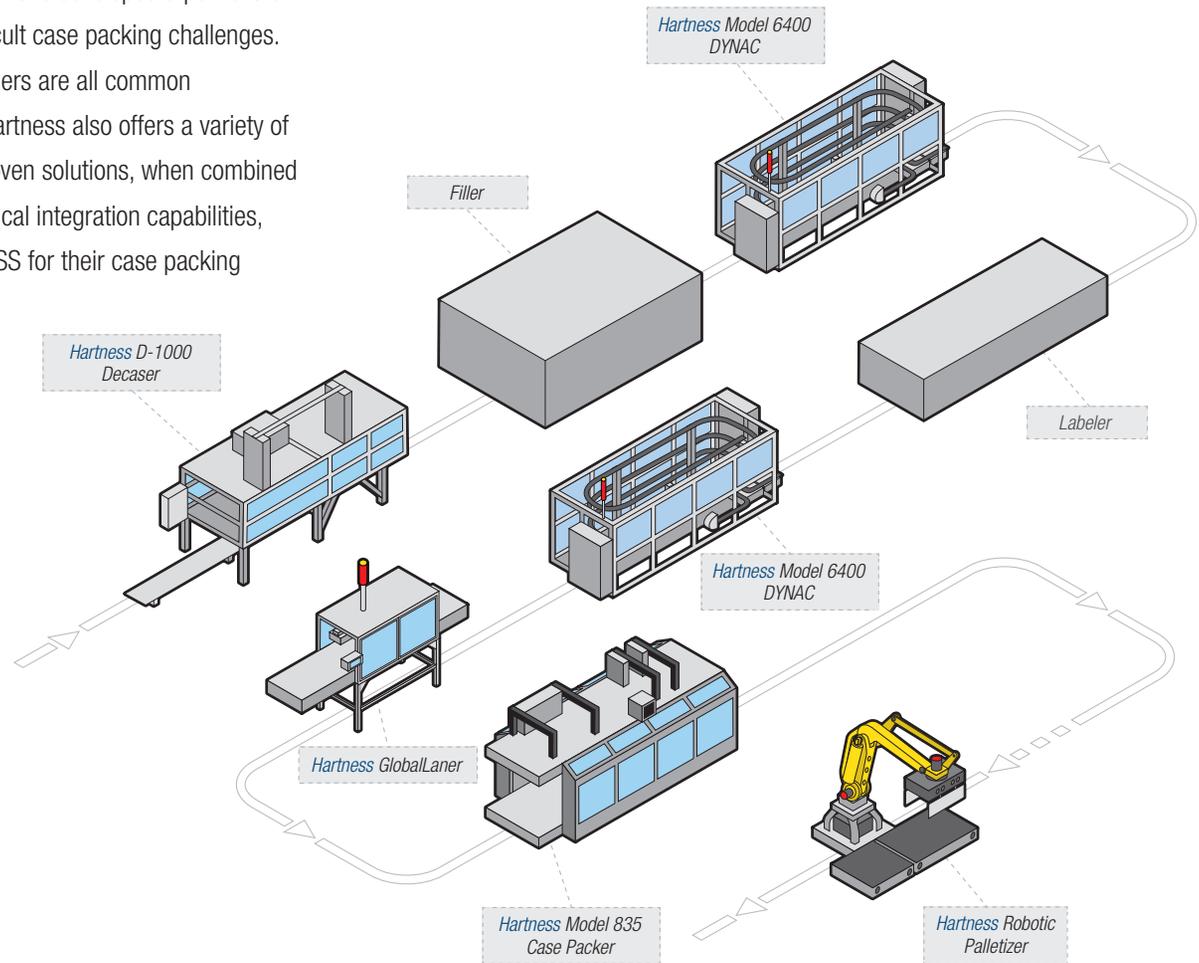
Powerful Commitment: Vertically Integrated Solutions

We understand that the successful installation of packaging equipment requires the coordination of many different functions. Nearly a decade ago, HARTNESS entered the engineering service and systems integration business in order to provide it's clients with vertically integrated, systems-based solutions.

From feasibility studies to end of line layout design, and from project management to conveyor and controls supply, Hartness offers a portfolio of integration for projects both large and small. Hartness' investment in vertically integrated systems helps you manage risk, reduce your supplier base, and ultimately helps you achieve quicker, more vertical startups.

The dimensions, descriptions, illustrations and other particulars in this profile are given in good faith but are not intended to and do not constitute any guarantee or warranty given by Hartness International or form any part of any contract. Photographs and/or illustrations may be shown with optional equipment or without safety guards in order to show features. Hartness International designs are covered by numerous US and International Patents.

Hartness Vertically-Integrated Solutions



Hartness is a proud member of the ITW family of companies.

