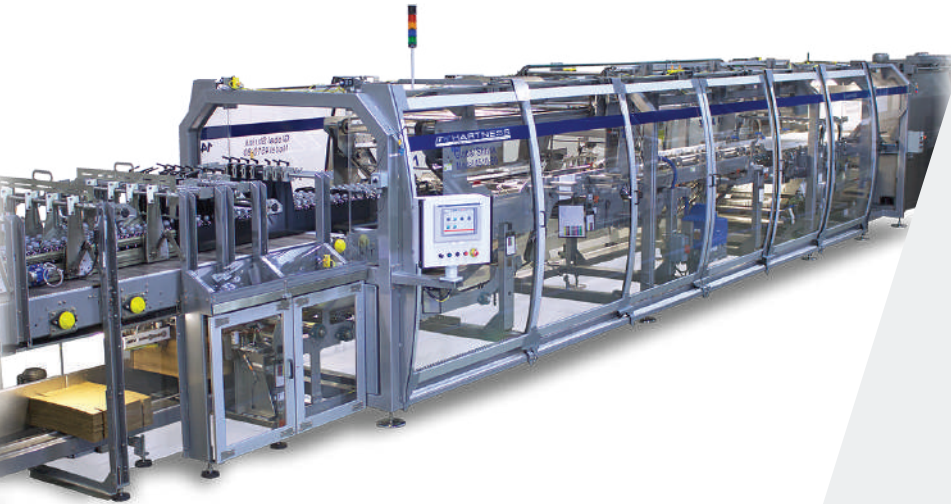


Global Shrink with Laminar Tunnel

Versatile Design. Innovative Solution.



With a decades-long philosophy of building versatile and innovative packaging equipment, the ITW Hartness Global Shrink is no exception. Run various pack sizes in multiple formats – Film only, Tray Shrink, Tray, Pad & Film Only, and Pad Shrink. With a proven machine design, easy machine accessibility, and reliable changeovers, the Global Shrink keeps up with production demands and maintaining package integrity without the need for constant operator intervention.

Coupled with the Laminar Shrink Tunnel the Global Shrink becomes a complete solution valuable to any packaging line.

Key Differentiators

Cartons & Bottles

Machine Accessibility

- Large access doors
- Wide step up platform
- Well lit inside
- Easy cleaning

Reliable Changeovers

- Quick and easy toolless changeovers
- Drop-in lane guide spacers
- Color coded Scales and Pointers
- Digital indicators with feedback to HMI

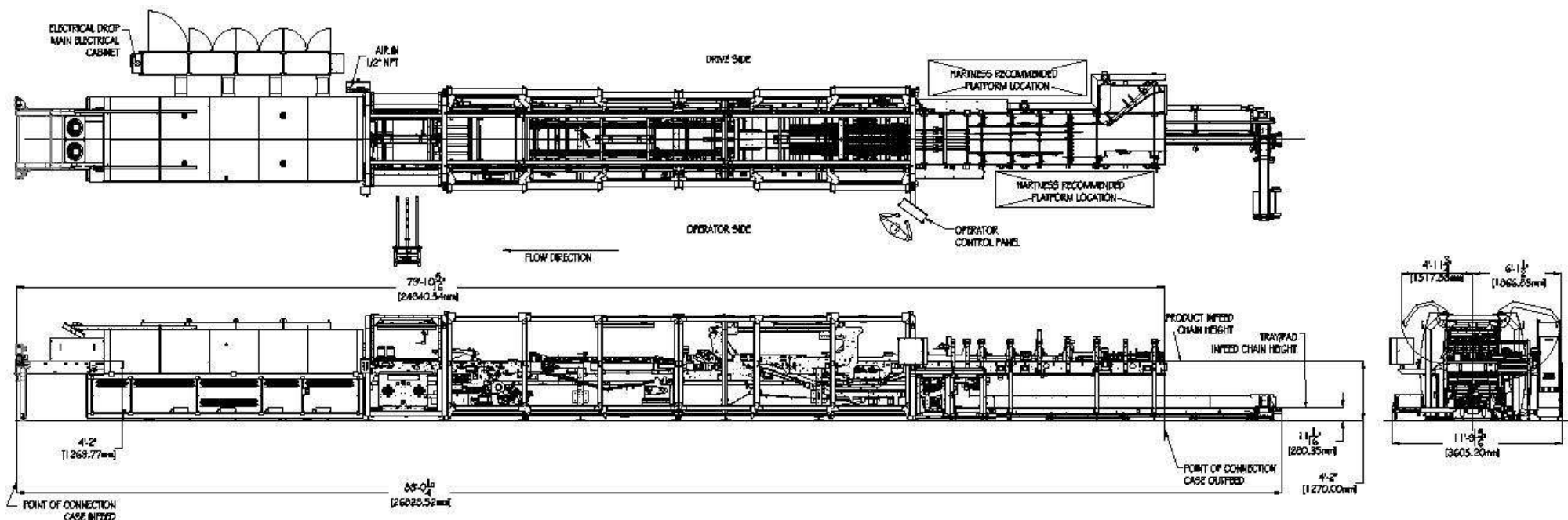
Top Pick Blank System

- Horizontal configuration
- Consistent pressure on stack
- Ergonomic blank loading
- Handles warped blanks

Pack Collating

- Enabled via flight bar system
- Offset option uses fixed spacers to offset rows
- Positive, reliable design concept

Global Shrink



Global Shrink Specifications

Models	4500 4510 4520 4530
Pack Types	Tray Pad Film Only U Board
Speeds	40 CPM 60 CPM 80 CPM 100 CPM
Infeed Options	Mass Flow - Combiner & Recirculation Pre-Laned Dual Infeed
Lane Configurations	2 to 8 Lanes
Tunnel Tracks	1 or 2 (Film Only)

The dimensions, descriptions, illustrations, and other particulars in this profile are not intended to and do not constitute any guarantee or warranty given by ITW Hartness 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. ITW Hartness designs are covered by numerous US and ITW Hartness patents.



Reliable Solution. Dependable Results.

The ITW Hartness Laminar Shrink Tunnel's seamless integration with Global Shrink models builds on a decades-long philosophy of creating innovative, low maintenance packaging equipment.

The patent pending, optimized laminar airflow of the Shrink Tunnel increases overall efficiency thru uniform shrinking with improved repeatability. Operating costs are further lowered, when the quality savings are combined with a greater level of accessibility and a lower maintenance design, making it a valued addition to any line. The optional Tunnel Vision feature incorporates a newly designed camera system to view the consistency and quality of the shrink package through the HMI or HartnessCONNECT insuring higher reliability.

Key Differentiators

Cartons & Bottles

Precision Controlled Shrink

- Airflow optimized with CFD modeling and confirmed with testing
- Patent pending side air foil design creates a consistent laminar air flow

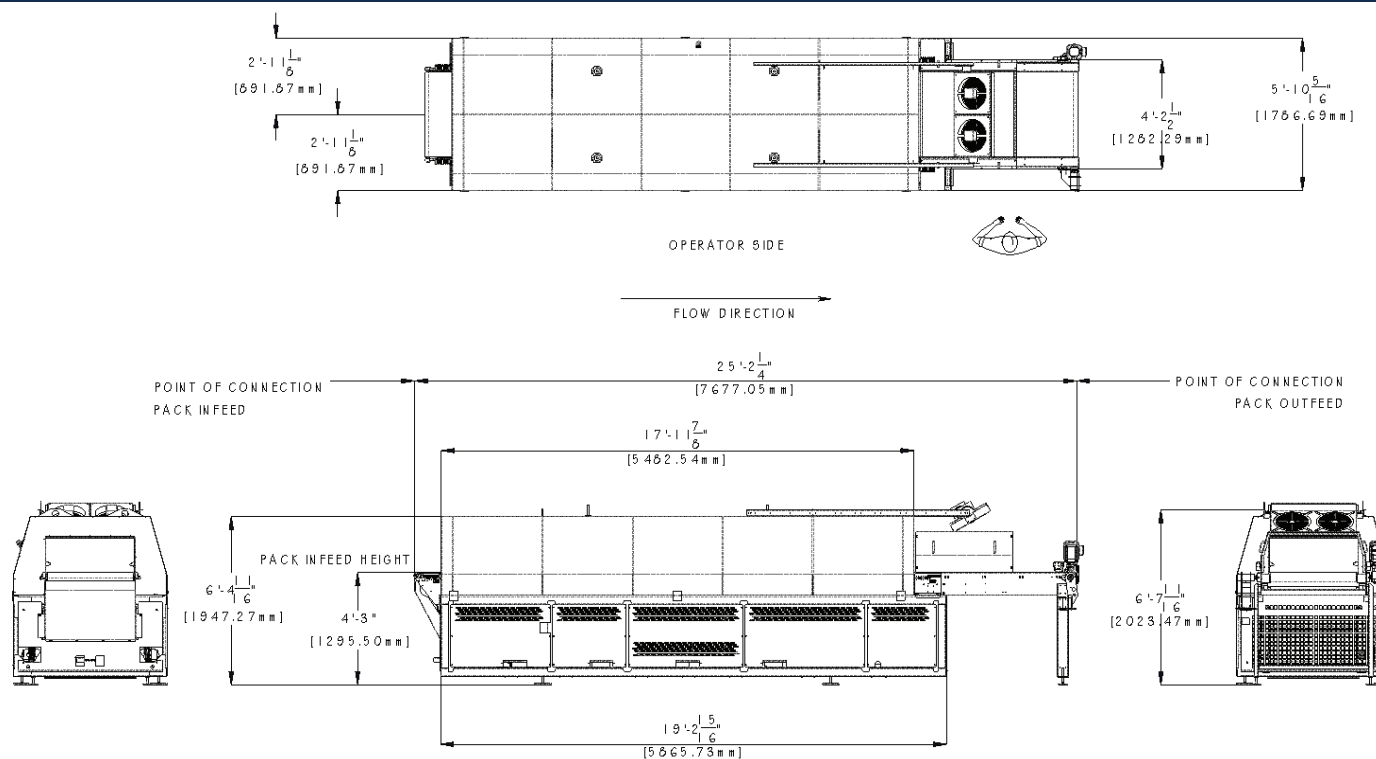
Simple, Repeatable Change Overs

- Eliminating the need to adjust plenums reduces changeover time and complexity
- Transition to dual track operation made with the simple turn of a hand wheel

Accessibility and Low Maintenance

- Easy access to all changeover and maintenance points from the production floor
- Simplified design eliminates complexity and lowers maintenance costs

Laminar Shrink Tunnel



Laminar Shrink Tunnel Specifications

Compatible Models	4500 4510 4520 4530
Pack Types	Tray Pad Film Only U Board
Speeds	40 CPM 60 CPM 80 CPM 100 CPM (Custom)
Infeed Options	Mass Flow - Combiner & Recirculation Pre-Laned Dual
Lane Configurations	2 to 8 Lanes
Tunnel Tracks	1 or 2 (Film Only)

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