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Item # ARPAC 75GI-20X, Continuous Motion Shrink Wrapper with Tunnel



Continuous Motion Shrink Wrapper with Tunnel

ARPAC's servo-driven 75GI shrink bundler guarantees superior performance for the high-volume printing and publishing industry. Wrapping up to 75 products per minute, this compact shrink bundler wraps random stacks of magazines, catalogs, books, directories, brochures and other printed materials on-demand, without interrupting production.

Servo-driven sealing offers precise electronic control for immediate and accurate sealing action, ensuring strong, consistent seals. The seal opening height is electronically programmed to vary with product height, maximizing output speeds for smaller products.

Servo drives enhance this industry standard's performance by eliminating pneumatic components.

These drives significantly reduce wear, maintenance costs, and extend the life of the seal carriage. Servo drives ensure smooth operation while providing high quality sealing for the life of the machine.

Designed to interact with today's 18,000 to 20,000 books-per-hour binding lines, the 75GI is perfect for presorted postal route sequencing applications, and the printing and publishing industry's fastest counter stackers.

Mode of Operation

Products are conveyed paced and centered onto the powered infeed conveyor. Photo eyes located on the infeed conveyor detect the height of the product as it passes. The PLC then cycles the zero tension mechanism so that there is no film tension applied to the product as it intersects the film. When the product intersects the film web, it passes through the seal frame and moves onto the seal conveyor. As the product moves through the film the machine detects film usage and starts the powered film unwind feeding film. After enough film is fed the powered film unwind system stops.

As the product moves through the seal frame the seal carriage moves the seal frame forward with the product and the seal bars close to form a film sleeve around the tray. The seal bars cut and seal the film. After the seal dwell timer times out the seal bars open and the seal carriage returns to its home position.

The product in the film sleeve continues moving forward across the seal conveyor and transfers onto the tunnel conveyor. The tunnel conveyor moves the product through the shrink tunnel chamber. The film shrinks evenly around the product as it travels through the tunnel. When the wrapped product exits the tunnel the film is still somewhat tacky. A cooling section located at the exit of the tunnel blows ambient/cool air onto the film as the product passes. This cools the film and allows for handling. The wrapped product then transfers onto the customer's conveyor completing the shrink packaging cycle.

APPLICATIONS

Books

Catalogs

Magazines

Mailers

Newspapers

Paper products

Periodicals

Tabloids

Trays