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Item # ARPAC 55GI-20CX, Compact Continuous Motion Wrapper With Integral Shrink Tunnel



Compact Continuous Motion Wrapper With Integral Shrink Tunnel

ARPAC's industry-leading 55GI shrink bundler meets the needs of low to medium volume printers and interacts with today's 18,000 to 20,000 books-per-hour binding lines, presorted postal route sequencing applications and the printing industry's fastest counter-stackers.

The 55GI is capable of wrapping extremely short, lightweight and random sized products, and is ideal for e-commerce applications. Shrink wrapped bundles reduce movement and product damage during shipment, and provide protection against harmful environmental conditions.

The 55GI wraps random sized stacks on demand, without interrupting production of the wrapper itself. The zero tension film feed ensures that this compact and economical shrink bundler wraps up to 55 products per minute.

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

Books on pads for e-commerce applications

Catalogs

Magazines

Mailers

Newspapers

Paper products

Periodicals

Tabloids

Trays