



North America, Inc.

HSA/CBC Automatic Corner Board System With Top and Bottom Cap



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Description

The Mollers North America Corner Board System automates the process of placing four corner boards with top and bottom caps to a wide variety of load types unitizing and securing the load to the pallet with a stretch-hood. The base design of the system includes adjustments, allowing the system to automatically accommodate a range of loads sizes simultaneously.

Features



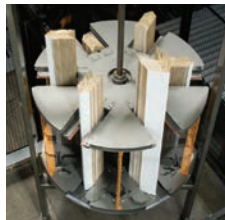
The 'Top Cap' is applied to the load as a top-sheet with 'flaps' prior to entering the Stretch-Hooder



The flaps of the 'Bottom Cap' are folded upward with vertical pneumatic plates to secure the lower portion of the corner boards



The flaps of the 'Top Cap' are folded with the application of the Stretch-Hood, securing the upper portion of the corner boards



- The corner board magazine has a carousel design, allowing for multiple magazine cartridges of corner boards
- Each magazine cartridge can hold up to 30 corner boards
- The multiple magazine cartridges can accommodate corner boards of varying sizes for a wide range of palletized loads
- Carousel rotation is controlled with servos, allowing for precise positioning during corner board retrieval and for proper staging
- The pivoting corner board placing arms are servo controlled for rotational and linear movement
- A mechanical clamping device secures the corner board from the magazine, and a 'pivoting wrist' aids in the precise positioning
- Placement function can be accomplished within 'trained mode' (recipe driven) or 'discovery mode' (fully automatic)
- The pivoting corner board placement arms are retracted after the corner boards are secured at the base with the flap folding system and at the top by the stretch-hood



Options

Under Pallet Wrap

Discharging the tail-end of the hood underneath the pallet. The forks on the fork truck will pierce the film when handling the load. While this creates a hole in the coextruded stretch-hood film, it will not create a continuous tear.

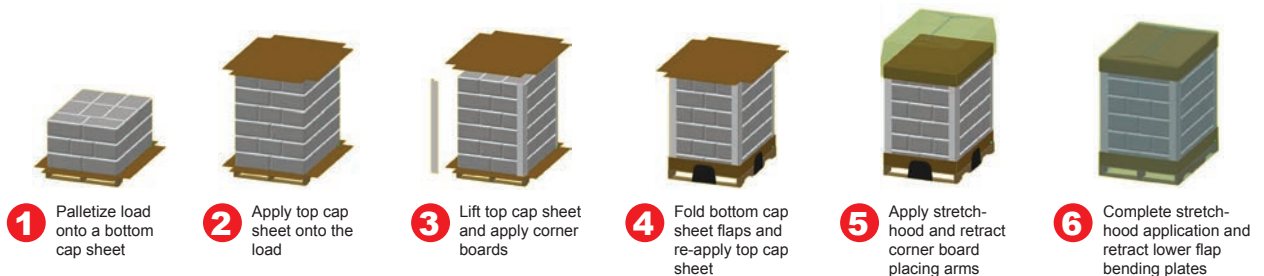


Roping the Pallet

Discharging the tail-end of the hood on the upper 2-3 inches of the pallet. This creates an access for the forks on the fork truck to handle the load. This also provides a visual access to fork truck operators and AGVs.



Operation



Complete Systems from One Source

Mollers North America also offers Valve Bag Packers and Placers, Conventional and Robotic Palletizing Options and Stretch-Hooding and Shrinkwrapping Systems for load protection and unitization.

Pack



Automatic placement and filling of valve bags

Palletize



Automatic palletizing of up to 3,000 bags per hour

Protect



5-sided protection with superior load unitization