

# MarquipWardUnited

## Cool-Vac Doublefacer



### Key Features

- Vacuum Traction Section eliminates the possibility of board crush in the traction section. Superior traction is provided without the use of a nip to pull the board. Board caliper and stiffness are increased.
- Vacuum Traction Section removes steam from the flutes, curing the board as it exits the doublefacer. Board can be converted or shipped sooner.
- Gun-drilled steel hotplates virtually eliminate cupping and deflection normally experienced with conventional doublefacers.
- Modular design allows hotplate length to be optimized for the board grades and required speeds.
- Available in either a Roller-System (RS) with liquid-filled holddown rolls for optimized rolling contact or the Marquip-WardUnited Heat Press (HP) sliding shoe design that reduces system cost while providing excellent bonding across the web.

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# Cool-Vac Doublefacer

MarquipWardUnited's Cool-Vac doublefacer design minimizes the length of the pulling section and allows the heating length to be easily configured for given space and product mix requirements. The Cool-Vac design provides higher speeds than traditional machines for a given amount of line space.

## The Cool-Vac Doublefacer features the following benefits:

- No-crush cooling section using a vacuum traction system
- Improved board quality with greater caliper and flexural stiffness
- Board converting with no curing time
- Shipping of board without condensation in cold climates
- Flatter board
- Improved Z-axis stiffness for better printability
- Excellent heat transmission due to gun-drilled hotplates provides performance increases

## The Cool-Vac Doublefacer is available two configurations:

### *Roller System (RS) Heavy-Duty Doublefacer*

The holddown system is comprised of precise liquid-filled weight rolls. Roller System Benefits:

- Provides even distribution of belt pressure for optimum heat transfer and excellent bonding.
- The rolls do not warp. This eliminates board quality defects, even after a stop.
- Weight rolls produce less drag on the belt, resulting in energy savings.
- There is no need to eliminate load on the belt edges as paper width changes. This ensures consistently good bonding across the entire web.

### *Heat Press Sliding Shoe System*

The MarquipWardUnited Heat Press system is a unique shoe design that is stiff in the cross machine direction. If only a small amount of web is under the shoe, the shoe will not tilt down. Heat Press Benefits:

- Provides excellent bonding while eliminating board crush.
- Ensures superior bond at the board edges regardless of the web width.
- Eliminates the need for "outside shoe offloading systems" and eliminates the belt wear associated with typical shoe systems that do not offload.
- Relatively simple system with few mechanical parts.

Sections of holddown can be lifted or lowered by selecting any one of a series of computer-controlled zone hold-down section versus speed curves to accommodate various board grades.

## Cool-Vac Options:

- 400 MPM Capability
- Additional Heating Sections
- Hot Plate Infusion Capability to provide high energy transfer to the moving web
- Zone temperature control allows optimum curing of a variety of board types
- Steam and Condensate headers
- Doublefacer Steam System with three-zone control
- Interface to Wet End Supervisory Control System



Roller System



Heat Press

## MarquipWardUnited

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