

# MarquipWardUnited

## Downstacker



### Key Features

- Available speeds: 250 MPM (820 FPM), 300 MPM (1000 FPM), 350 MPM (1150 FPM), 400 MPM (1300 FPM)
- Patented speed switching allows clean load separation
- Reliable high-speed instant order change
- Tail-based shingling
- High performance carbon fibre brushes in the shingling area and infeed bay
- Full-width V-guide transport belts
- Continuous radius transport conveyor frame prevents skewing of the shingle to the lift bay
- Exact sheet count
- Smooth acceleration and deceleration of lift rollers or belt reduces stack tip over during discharge

Barry-Wehmiller

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vortX

# Downstacker

## Superior Stack Quality

The MarquipWardUnited Downstacker incorporates many design features that allow for excellent stack quality. The lower infeed nip roller diameter has been reduced to allow the lift to raise closer to the infeed height. Brushes have been incorporated at the entrance to the lift bay to prevent side shift of the sheets as they enter the lift bay. The increased pressure of the brushes on the top of the stack in conjunction with an energy absorbing backstop, prevents the sheets from bouncing back and skewing as they enter the lift.

## Minimized Recovery Time for Short Order Efficiency

Recovery time has been a significant issue on the Down-stacker design with the advent of the instant order change corrugator and just-in-time scheduling. Short cycle time for a load discharge on the stacker allows for short orders to be run efficiently. MarquipWardUnited downstackers can be designed with cycle times as short as 20 seconds. Rollout of the stack begins as the lift table drops to bring the stack to the edge of the table. MarquipWardUnited downstackers compliment the operation of today's highest volume short order plants.

## Enhanced Microflute Capability

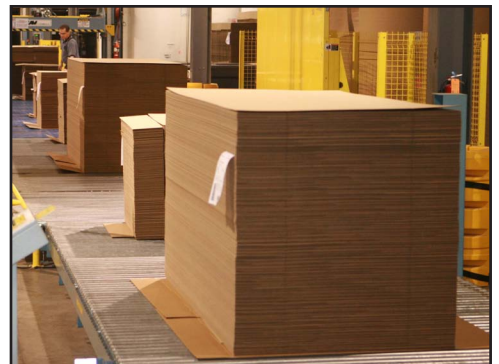
The MarquipWardUnited Downstacker has been evolved for the efficient, reliable running of microflute board. The optional sync vac system synchronizes the vacuum shingling conveyor with the trailing edge of the sheets entering the stacker. The modulating finger/brush holddown system also relaxes the normal force allowing these microflute sheets to enter the stacker with no force acting on the board that can create false scores. The cam operated variable drop off system adjusts the level of the vacuum shingling conveyors to the knife exit as a function of sheet caliper.

## Additional Feature

The gap stop feature prevents the butt up of a long sheet coming out of the knife with the trailing edge of the shingle when a gap is created at the shear. The transport conveyors are stopped until the first sheet following the gap passes over the top of the shingle.

## Optional Features

- Flat-belt vacuum/accumulation conveyors (high performance stacker only)
- Multi-order stacking
- Sync vac system enhances ability to run microflute board
- Custom catwalk configurations
- Plastic flat-belt, conveyors lift bay reduce stack tip over with narrow sheets
- Dual discharge
- Electric lift system



**MarquipWardUnited**

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