

MarquipWardUnited

Vanguard 900 SFI Fingerless Singlefacer



Key Features

- Masterfully engineered for continuous high speed operation, maximum uptime, accepting the widest variety of mediums and liners to produce superior board quality.
- Unique split frame design offers total access to the machine's interior for housekeeping and maintenance.
- Adhesive application system ensures precise starch application on the flute tips.
- Medium preconditioning system utilizes Infusion Technology™ for superior flute formation and maximum board performance.
- Optimally sized corrugating rolls are hydraulically loaded for high quality flute formation with no resonance throughout the speed range of the machine.
- Large diameter pressure roll provides maximum heat transfer and high speed stability and is positively driven for excellent green bond strength and consistent flute quality.

Barry-Wehmiller

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Apollo

vortX

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Vertical Roll Stack for Reliable Production

The corrugating rolls are sized for reliable operation through the machine's full speed range with no resonant vibration. Hydraulically loaded corrugating rolls and pressure roll maintain high speed stability with minimal operator adjustment. A driven pressure roll eliminates shear stress during green bond formation for maximum board strength. The Vanguard's large diameter pressure roll provides reliable operation and low maintenance costs compared to belted singlefacers. The Vanguard can run the widest varieties in paper weights and any liner/medium combination.

Modular Design Means Optimum Accessibility

The Glue Section with its Positive Pressure Chamber can move away from the roll stack section to allow easy access for maintenance, flute changes and house-keeping. The Glue Section has access doors with lift out glue pans for quick yet thorough housekeeping.

Revolutionary Positive Pressure Fingerless Technology

MarquipWardUnited pioneered positive pressure fingerless technology. The pressure chamber provides a uniform force holding the medium intimately against the lower corrugating roll for maximum heat transfer, superior flute quality and precise starch application to the flute tips. Positive Pressure is a self-purging system naturally expelling debris and dried starch. Maintenance and downtime issues associated with vacuum systems that are sensitive to dirt and debris are eliminated.

Adhesive Application System Sticks to a Higher Standard

The Vanguard utilizes a patented inclined pan design that adjusts to various medium widths and minimizes the amount of starch in the machine. Starch cycles through the machine and returns to the batch tank to maintain homogeneous properties and minimize clean up time. A large diameter glue roll reduces slinging. A counter rotating metering roll automatically adjusts to maintain a constant glue film thickness through the machine's speed range.

Infusion™ Medium Preconditioning – A Patented Production Advantage

No other singlefacers condition medium as effectively as the Vanguard. The patented Infusion™ system penetrates the medium's paper fibers with moisture and heat like no other system. This allows higher run speeds and improves board quality. A separate capstan roll system provides precise tension control and an optional steam chest provides additional conditioning for the most challenging mediums in the industry.

Quick Roll Change Options for a Competitive Edge

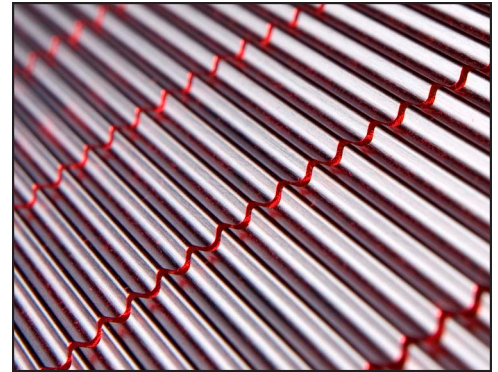
The corrugating rolls are housed in a cassette that can be changed through two systems. The ARS (Automatic Roll Change System) provides a hands-off cassette change that is safe, easy and quick. The QRS (Quick Roll Change System) requires some operator involvement but no manual tools during the simple, efficient roll change procedure.

Additional Features

- Complete Bridge Elevator
- Plant Ethernet Network Interface

Optional Features

- 365 MPM (1200 FPM) line speed
- Extra Cassettes and Carts



MarquipWardUnited

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