

AIR WASHED DOCTOR BOARD SYSTEM

Air Washed Doctor Board System

Maxson Automatic Machinery Company (Westerly RI USA) offers a new doctor board system, which improves cut quality and increases speed on stationary bed knife rotary cutters. The doctor boards guide the web through the cutting point. The doctor board positioned before the knife is adjustable, permitting the approach angle of the web to be varied, depending on the thickness of the material. This innovation has eliminated “beading” along the cut edge of low density board, significantly improving cut quality on conventional sheeters.

The doctor board after the knife is washed with air, which creates a vacuum that peels the leading edge of the sheet away from the knife revolver and directs it into the mouth of the delivery system. This design increases line speed by up to 100 fpm (30 mpm) on short cut offs and lightweight materials. In addition, air flow to the after knife doctor board can automatically be compensated for speed changes, eliminating the need for Operator adjustment.



Features

- Variable pitch positioning of before knife doctor board
- Air washed after knife doctor board
- Automatic compensation of air flow to doctor board

Benefits

- Minimizes ‘beading’ on low density board grades along the leading edge
- Directs the leading edge of the sheet into the high speed tape section’s mouth at up to 200 fpm (60 mpm) faster
- No Operator adjustment is required as speed increases

Specifications: Imperial / Metric

- Pneumatic Requirement: 75 PSI / 7 kPa