DOUCET

RAKE BOARD FEEDER LINE FOR MOULDERS MACHINE : APV + MFE-150

This line is primarily intended for companies that produce components in a moulders machine to manufacture a large quantity of moldings daily for various markets in an automated manner without resorting to manual operations.





APV+MFE 1



APV + MFE 2



APV + MFE 3

CHARACTERISTICS & OPERATION

To optimize your production, Doucet offers the following combination of equipment:

APV – Panel Feeder/Stacker

In this case, it is a scissor table that lifts a stack of boards. Subsequently, a mobile arm equipped with suction cups grabs the top row of boards and moves it to a mechanism with pressing rollers to pull the row towards a belt or roller conveyor. After releasing the boards, the mobile arm returns to position to pick up the next row.

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MFE-150 – Lateral Chain Feeder for Moulders

The MFE-150 Chain Feeder is designed to maintain a feed rate of up to 150 feet per minute for materials of fixed or varied lengths in a moulder.

The benefits and expected outcomes

- Increase in the number of moldings per day
- Reduction in startup time
- Repositioned the employee to a more strategic position

Fonctionnement

A mobile arm equipped with a vacuum box picks up the pieces from the upper row and moves them to a pressure roller mechanism to propel them onto a roller conveyor. A broom before the pressure roller drops the sticks into a tray provided by the customer at the foot of the APV. After releasing the row of pieces, the movable arm returns to position to pick up the next row.

The chain side feeder is designed for feeding speeds up to 150 feet per minute of fixed or varied length material. The parts are automatically aligned on the infeed table by perpendicular rows of C2060 chains. A pneumatic system lowers the carriage from the chains between each feeding cycle preventing unnecessary side friction and material marking.

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