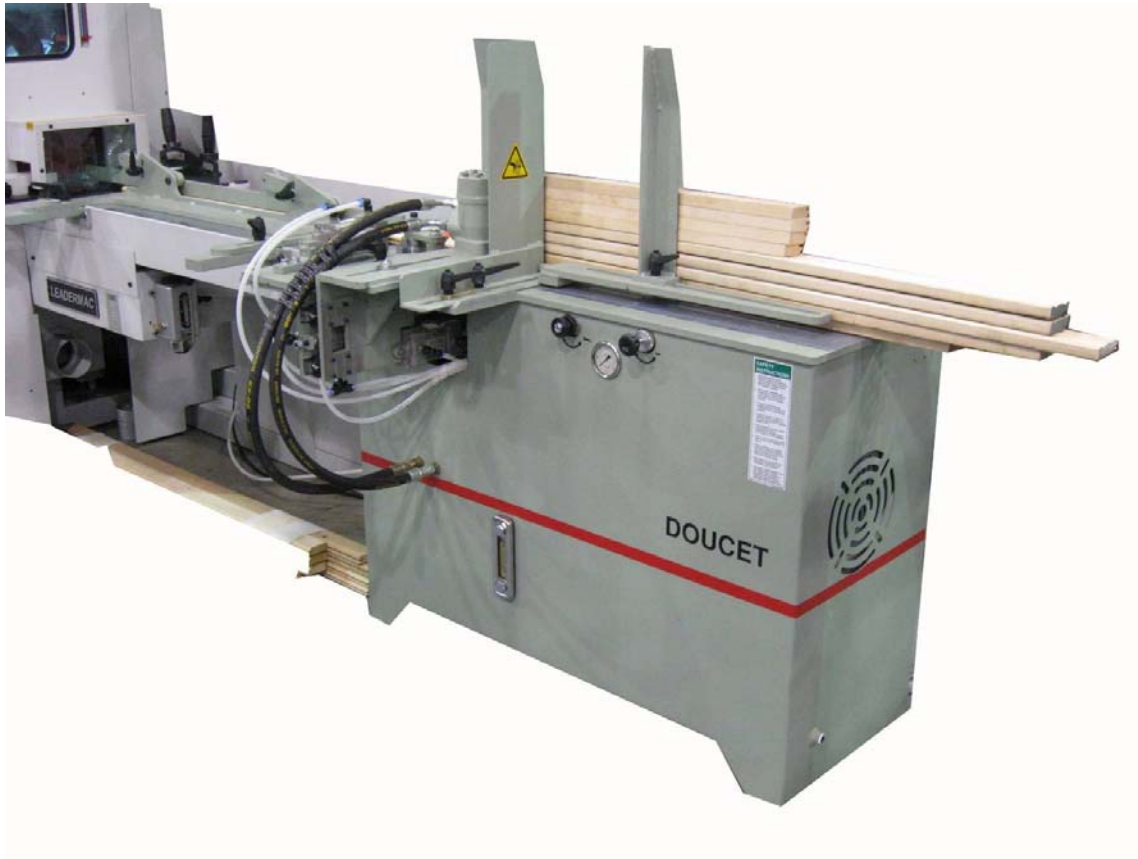


MF-100

MODULAR FEEDING SYSTEM FOR MOULDERS



SUITABLE FOR APPLICATIONS WITH A FEED RATE UP TO 100 FEET PER MINUTE

The **MF-100** is a compact and efficient feeding system that enables you to optimize the productivity of your Moulding operation. With the MF-100, you operator keeps up with feeding the moulder end-to-end with spare time on hand to perform other functions. By teaming up the MF-100 with a Doucet **MR** Return Conveyor for Moulder, you obtain a self contained workcell where one operator stages blanks, handles returned mouldings and controls quality.

DOUCET
PRODUCTION MACHINERY
DIVISION

PERFORMANCE ORIENTED MANUFACTURING SOLUTIONS
AND AUTOMATION TECHNOLOGY

MF-100 Operating Principle

Built on a standalone table positioned in the continuation of the moulder's feed table, the MF-100 Modular Feeding System features:

- two hydraulically powered feed wheels on the moulder's fence side
- two pneumatically actuated idler wheels facing the powered wheels above
- vertical brackets designed to hold a stack of parts
- a front gate designed to allow only the bottom part to feed forward
- the basic lumber support table is 36" long, it is extendable to suit your application



The first powered feed wheel is positioned outside the hopper zone, closer to the moulder. It maintains the forward pressure and closes the gap every time a new piece is engaged. The second powered feed wheel is positioned immediately inside the hopper area on the feeder's table. The operating sequence, controlled by PLC allows for momentary release of the squeezing pressure between the second powered and idler wheels, allowing new boards to come into feed position. In heavier load applications the second idler wheel can be replaced by a third hydraulically motorized feed wheel (optional feature).

An optional guiding tunnel (top and side) can be added to the moulder infeed table. The addition of such a tunnel is needed when feeding blanks shorter than the distance between the MF-100's outer wheels and the moulder's first set of feed wheels.

MF-100 Material Specifications:

- Lumber length 16" min. up to 16' max. (extended support table required over 60")
- Lumber thickness: 3/4" to 2"
- Lumber width: 1 1/2" to 9"
- Moulder feed speed: must not exceed 100 feet per minute
- Moulder table length: basic length of 36", expendable at the time of order (as dictated by your application).

The **MF-100** comes complete with sensing devices, two hydraulically powered feed wheels, two pneumatic actuators and a 5 HP Hydraulic Power Unit. Its operating sequence is controlled by a PLC. It features a central power and control panel with operator interface, and is available for 220/440/600 volts, 3 phases, 60 cycles electrical service.

DOUCET
PRODUCTION MACHINERY
DIVISION

www.doucetinc.com • info@doucetinc.com

1-866-673-8867 • (819)367-2633