

OMAL

INDUSTRIAL DIVISION



OMAL Insert RD Throughfeed Rail Drill & Dowel Machine



QUOTE: 1207173591_3

DATE: June 10, 2015

PRESENTED TO: Windsor Fixtures, Inc
755 Raco Drive
Lawrenceville, GA 30045

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Committed to a single goal....SUPERIOR RESULTS

MACHINE SPECIFICATIONS:

Double side boring and doweling machine for rails Throughfeed Machine

INSERT R D

The machine **INSERT RD** is designed to drill the edges of rails PLUS offer optional vertical boring. The machine is equipped multiple stations:

- 1st Horizontal drilling, Five drills per side, 32 mm centers
- 2nd Horizontal Glue Insertion and Doweling
 - Three Glue & Dowel Inserters per side
- Vertical Drilling
 - Five Vertical drills, 32 mm centers

The machine has the width panel adjustment by NC movements and electronic digital indicator.

The position from the backstop to the first drill/dowel is set by Numerical Control. The distance between the drill/dowels must be a multiple of 32mm.

All other set-ups on the machine are manual with digital readouts in MM.

The machine is equipped with an input hopper able to hold approximately 20 pieces.

Piece transportation with precision notched belts, inverter drive for speed control, and positive end stop references. Pushers on belts are spring loaded.

The production of the machine is 15-20 pieces per minutes depending on the boring required.

The machine has a panel return conveyor to return rails to the operator.



Technical data:

**W: machine opening
working area**

1220 mm

Dimensions of the pieces to work:

-Width (length of rail)

min. 196mm

max. 1220 mm

-Depth (width of rail)

min. 40 mm

max. 200 mm

-Thickness (thickness of rail)

min. 16 mm

max. 40 mm

Horizontal drilling:

-N° of horizontal drilling bit

5LH + 5RH at 32mm step

-motor power

1.5Kw

-bit rotation speed

3,500 rpm

Dowel insertion unit:

-N° of dowel insertion unit

3 LH + 3 RH

-dowel dimension

ø 8mm x 35mm

-dowel feeding vibrator

2 with 3 output each

-N° of Glue Gun complete with Electronic control

-Glue deposit verified through inductive sensor

-Patented OMAL Sure shot dowel checking system to verify dowel is present and ready to be inserted



Dowel Vibrator Bowl

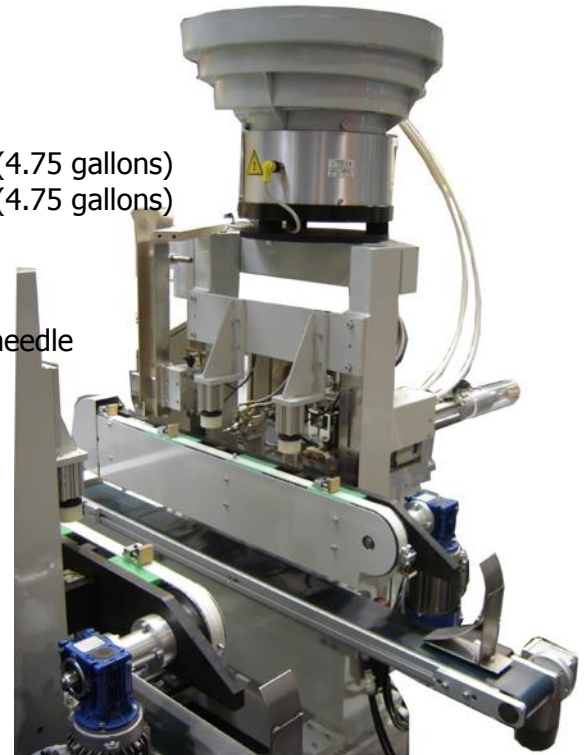
- Capacity 2000 dowels

Gluing & cleaning unit:

- capacity of glue tank 18 Liters (4.75 gallons)
- capacity of water tank 18 Liters (4.75 gallons)
- maximum glue viscosity 900 cps
- electronic control of glue amount, programmable
- injector unit with inductive sensor to verify glue is shot
- injector with double, reinforced seals to insure no leakage by needle

-Pieces return to operator

Lower belt to return the pieces to the operator



1.16V Five vertical drilling unit

Separate Station for face drilling the panel. Manual adjustment for depth and distance from edge of panel.

- Distance from edge of panel 8 mm
- drill rotation speed 4500 rpm
- drill motor kW 0.75
- 32 mm centers



General information:

- Voltage 480/60/3
- Control voltage 24 V
- Air pressure 6 bar (90 psi)
- Net weight 1500 kg (3300 lbs)

Note: The pictures and/or illustrations included in this quotation are for descriptive purposes and intended to aid in understanding certain features of the machine. Some depictions may not reflect the exact construction and may include options that are not part of this offer. In all cases, the written text supersedes any graphic representation. If you have any questions, please consult your Delmac sales manager.

MACHINE PRICE AND LEASING INFORMATION:

MACHINE PRICE, DELIVERED & INSTALLED

\$ 169,000.00