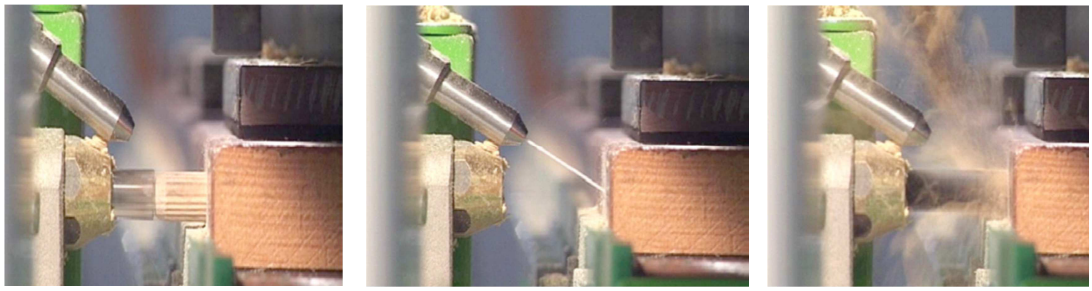
OMAL VELOX

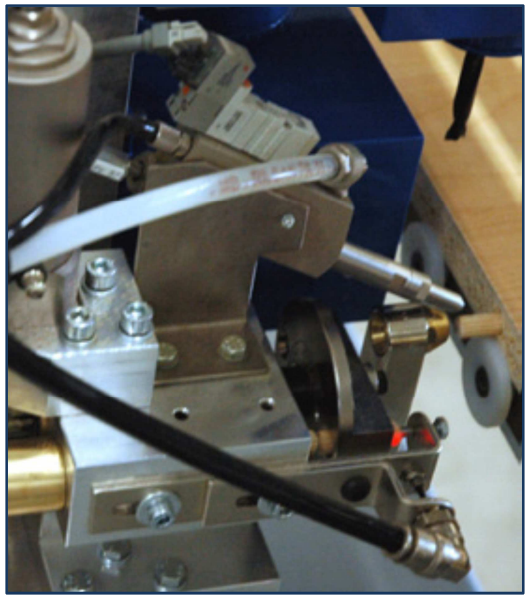
BORE, GLUE & DOWEL



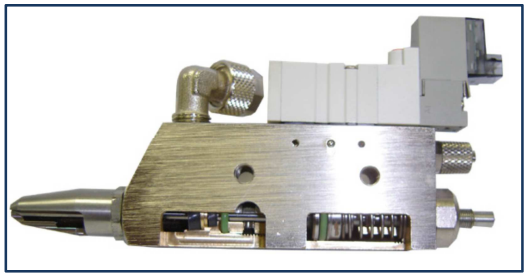
Omal VELOX 1300



The Omal Velox is a Horizontal Bore, Glue and Dowel and numerically controlled machines to drill, glue and insert dowels on horizontal pieces. The OMAL system of bore and dowel yields a cycle time of approximately ONE second for each bore, glue and dowel insertion when holes are on 32mm intervals.



Omal "Sure Shot Dowel Revolver System" - The dowel insertion revolver holds a dowel while a second dowel is inserted, plus via fiber optic sensor , verifies the next dowel is present to prevent misfeeds. The OMAL "SURE SHOT " revolver system guarantees a dowel is inserted everytime!



Speed - The Omal VELOX series has the FASTEST cycle time in the market: Less than ONE second for each bore, glue, and dowel insertion when dowels are on 32mm intervals! Standard is 32mm between the drill and dowel inserter

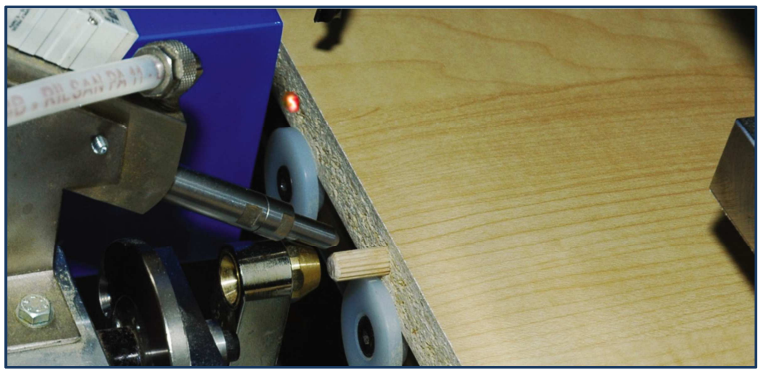
Center and Side Fences - The selection of the loading zone (left, left center, right center, or right) is executed by CNC.

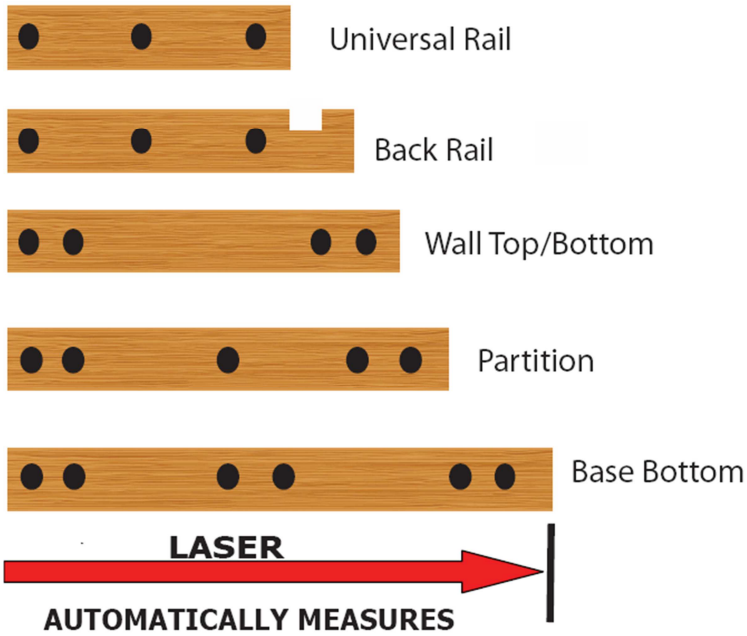


Round Clamps - Four clamps are standard on the machine. The clamps will hold panels horizontally for edge processing.

No Drip Glue Nozzle - Omal utilizes a stainless steel needle and nozzle assembly, precisely machined with a reinforced tip to insure water/glue does not leak. Omal uses a 3 seal system to keep glue from seeping back through the needle seal and into the electrovalve. Omal supports programmable electronic control of the glue amount. The injector unit is equipped with a sensor to verify glue is shot.

scmgroup north america





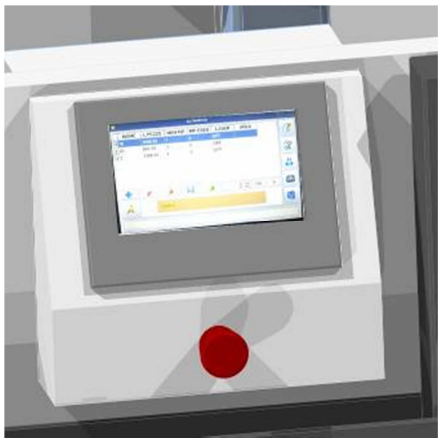
AUTO LASER WITH PARAMETRIC CONTROL

OMAL's width Laser Sensor will automatically measure the part and populate the program list for the part width. Our parametric program will calculate all the dowel locations for the part. The same math used in your cabinet design software can be used in our parametric program.

TOUCH SCREEN PLC CONTROL

The user friendly software makes the machine extremely versatile.

The machine is equipped with a Touch Screen Control for writing and storing programs. Programs can be written parametrically and are generated using graphical icons (drill, glue, dowel check boxes). The selection of the offset of tools for inserting and for operations on different left and right hand references is automatic.



scmgroup north america

FEATURES

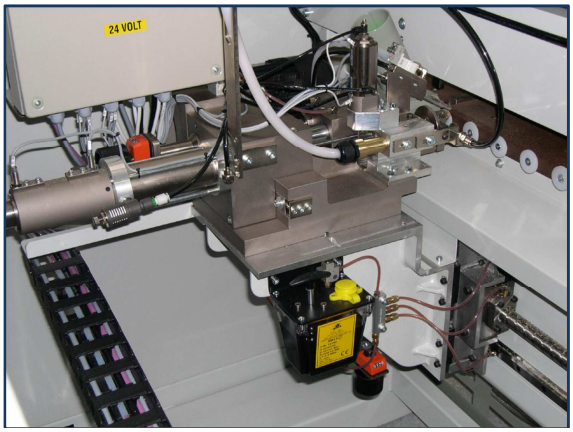
The VELOX 1300 Horizontal Bore, Glue and Dowel machine with a 4' work table is a numerically controlled machine to drill, glue and insert dowels on horizontal pieces with FOUR loading zones.

The machine is equipped standard

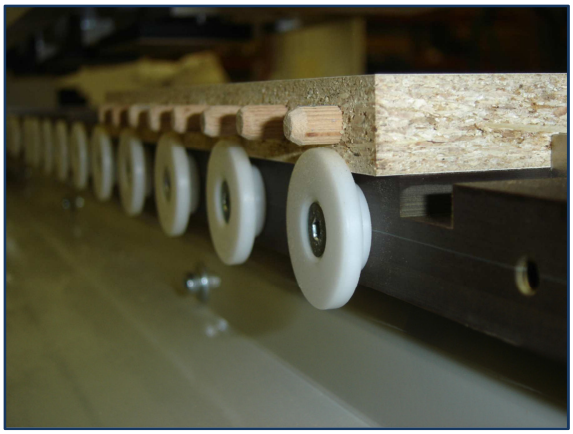
- Four working areas (left, center left, center right, right)
- Four clamps to hold panels horizontally for edge processing
- Glue injection system with precision metering of the glue plus checks to make sure glue is shot
- Standard set up for 8 x 35mm dowel
- The OMAL "SURE SHOT" revolver system guarantees a dowel is inserted every time!
- Fiber optic sensor to check if next dowel is ready
- Programmable in the X axis and equipped with ball screw and quick positioning
- Movement of the carriage is on linear rails with square guides.

SPECIFICATIONS

- Width "X" 1300 mm (51")
- Depth "Y" 40 mm (1.57")
- Vertical "Z" 40 mm (1.57")
- Voltage 220/60/3
- Net weight 1000 kg (2204 lbs)

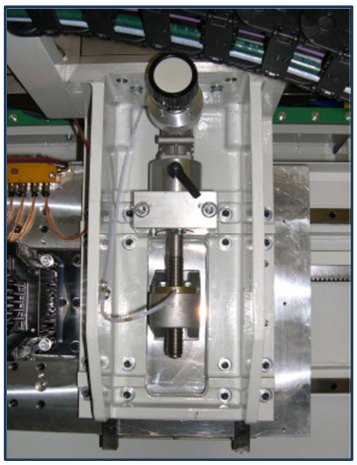


Movement of the carriage is on linear rails with square guides and transmission by precision ball screw system. This allows acceleration to speeds up to 50 meters/min.



Reference fence is standard with offset PVC discs. The advantage of this type of reference system is that it is not affected by dust plus the machine can bore to the edge.

Vertical movement of the carriage is on linear rails with square guides and transmission by precision ball screw, which allows precise control. Manual Z axis.



scmgroup north america