

easywin

**CNC - Machining center for drilling,
gluing and dowel inserting for windows and doors**



CNC - Machining center for drilling, gluing and dowel inserting for windows and doors

Easywin has been thought and developed with specific technologies and solutions meant for the processing of windows and of wood components for the building industry, for both handicraft and industrial production.

Ideal as flexible work island with compact design and dimensions, to produce in an easy and intuitive way, for both batch production and customized parts manufacturing. Easy to integrate in the production process and in support of other machineries.

With Easywin it is possible to work in total production autonomy and with extreme easiness for the operator. Easywin does not require specific skills and works in maximum efficiency.

The machine is equipped with 3 axes CNC controlled and with an advanced and specific software, intuitive programs, a touch-screen control panel, which enable the operator to work in an easy, smart and efficient way. The operator loads the pieces into the machine following the instructions of the software and takes the finished piece out.

Easywin has been designed to be easily customized, modified and adapted to specific and special applications, implemented and sized according to the customer's production needs.



General features

Easywin is a processing center with three axes controlled by a brushless motor, for drilling, both on the front side or on the edge of the wood piece. The CNC system allows to easily switch from one processing to another, to select and perform single drilling or only glue and dowel insertion, to program and perform combinations, sequences, and complete cycles. By interpolating the axes, it is possible to drill slots, grooves and profiles.

Processing programs can be inserted directly from CAD or sent by remote control.



Stroke of the three axes, their speed and acceleration

AXES	STROKE	SPEED	ACCELERATION
X	690 mm	500 mm/s	1000 mm/s ²
Y	190 mm	500 mm/s	40 mm/s ²
Z	140 mm	500 mm/s	1400 mm/s ²

Technical data

- _ Structure:
 - _ Robust supporting structure in welded steel, for the best response to dynamic stress during machining, to ensure stability and precision
- _ High-performance working cell
- _ Working units:
 - _ 1 drilling unit
 - _ 1 gluing unit
 - _ 1 dowel inserting unit
 - _ 3 axes on ball bearing guides
 - _ 3 brushless motors
 - _ 1 3-kW electrospindle
- _ 1 circular vibrating feeder
- _ Concealed side mechanical stops
- _ 10" display
- _ Touch-screen control panel
- _ No-Tools clamping system
- _ No-Tools system to change the dowel size
- _ Cleaning and glue draining system
- _ Drilling stroke: 60 mm max.
- _ Dowel length: 60 mm max.
- _ Dowel diameter: 6/8/10/12 mm



Working range

590 X 110 X 110 mm

3-axis System

High flexibility and easiness for the operator!



The 3-controlled axis system allows high positioning and machining precision, with great programming capability thanks to the intuitive graphical interface.

Great flexibility and autonomy in accordance with the complexity of the machining, for batch production, fragmented batches and customized production. The 3 axes are powered by brushless motors.

Interpolating the axes enables to easily drill slots, grooves and profiles.

Drilling unit

High performances and maximum precision!



- _ Easy handling
- _ Dowel diameter 6/8/10/12 mm
- _ Dowel length up to 60 mm
- _ Efficient dust and chips extraction system

Gluing unit

The complete production cycle on a working island with compact design and dimensions!



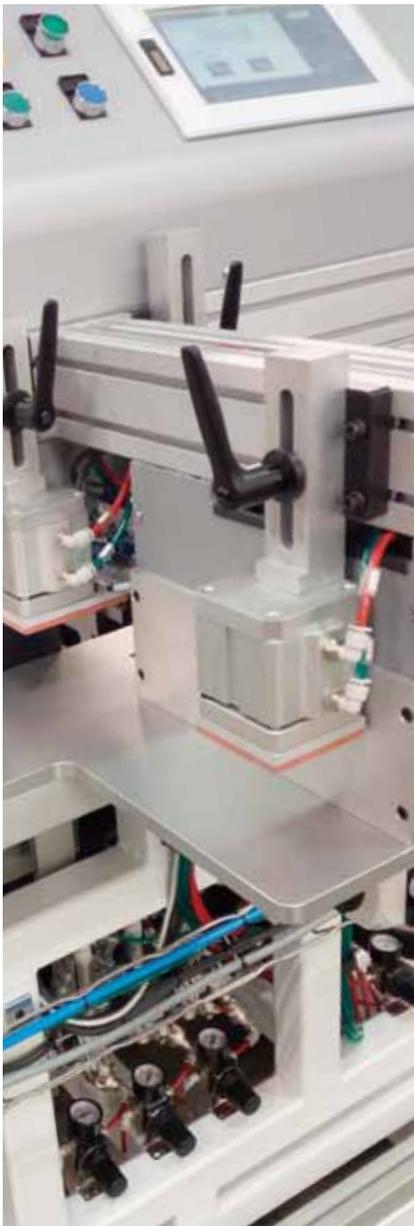
- _ Glue feeder in stainless steel, 20 kg capacity, placed outside the machine
- _ The glue feeding hose is outside the machine and independent from further wirings, in order to allow easy inspection and maintenance
- _ Cleaning and glue draining system inside the machine, useful to avoid, between a work cycle and the other, the formation of obstructions and impurities due to the glue
- _ Electropneumatic extrusion gun for the application of glue and adhesives with low or medium viscosity. Gun body with non-stick treatment, needle in tungsten carbide and nozzle in stainless steel. Micrometric adjustment allows accurate adjustment of the amount of product applied without the use of tools. Possibility to use different types of nozzles
- _ Possibility to insert a second glue feeder, for a bigger capacity, as optional

Dowel inserting unit The part is finished!



- _ Circular vibrating feeder
- _ The dowel feeding hose, as well as the glue feeding hose, is outside the machine and independent from further wirings, in order to allow easy inspection and maintenance
- _ Insertion of dowels with diameter 6/8/10/12 mm
- _ Dowel length up to 60 mm
- _ Electronic optical dowel control system to check the presence of a dowel prior to the inserting and for the following insertion

How to increase performances with a user-friendly technology



- _ Maximum customization and modularity
- _ Flexibility and Italian genius
- _ High productivity with perfect finishes
- _ Smart solutions with tailor-made concepts
- _ Ideal solution as a working cell to be integrated in the production process
- _ No-Tools system
- _ Total safety for the operator
- _ Technology easy to perform and with minimum maintenance requirements
- _ Advanced and intuitive software with specific and easy-to-manage programs
- _ Remote assistance
- _ Saving production data

Optional aggregates and units

- _ Visual system for drilling positioning
- _ Unit for the machining and joining of 45° wood pieces and further angles

Machine dimensions: 2180 mm x 1370 mm x h. 1560 mm

Machine weight: 600 kg

PGS S.r.l.

Reg. Torame, 9
13011 Borgosesia (VC) _ ITALIA
T (+39) 0163 02.80.67 - 68
F (+39) 0163 02.80.69
info@pizziofficine.com
sales@pizziofficine.com
pizziofficine.com

40 1977
2017

