

NC Boring & Inserting Technology – EKO 902

The EKO 902 has a modular concept and it is able to execute all boring, routing and glue & dowel inserting operations. It is also possible to insert further hardware insertions. It is ideal for companies needing a simple and high-tech product for special or batch-one orders.

NC machining centre model EKO 902 combines flexibility with high performance, managing in real time different panel types. In order to reach a high working productivity, the panel displacement occurs by means of a couple of mobile chucks on controlled axes. The EKO 902 manages the panel in a vertical position, which is a distinguishing mark of this machine, thus allowing it to work also on delicate surfaces.



The mechanical stop and the laser reading system are able to detect the zero panel reference both in head and tail position to execute the processing.

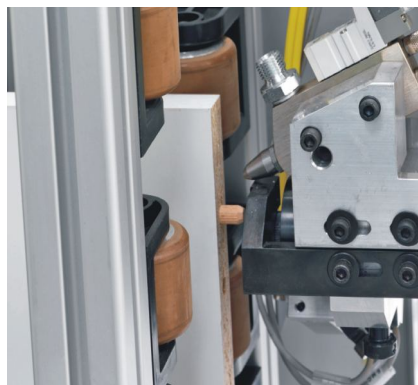
Standard self-selecting drilling unit 7 in Y + 6 in X + 3H/T + 1 UPP + 1 LOW with blade diameter 120 mm. A 4,5KW, 18,000 rpm electrospindle and a configurable hinge boring unit are foreseen as optional.



The grippers detect the panel thickness and they check in real time the boring depth in Z. The grippers, supporting the panel in vertical position, handle it by gripper shuffling without damaging its surface.



Glue & dowel inserting unit placed on the rear side of the column mounted on controlled axis Y.



Available Equipment:

Self-selecting drilling unit 7 in Y + 6 in X + 3H/T + 1 UPP + 1 LOW (tool clamping d. 10 mm with screw) with blade dia. 120 mm.

Double chuck for panel displacement with automatic thickness detecting system.

Laser reading system: to manage the processing double reference (head and tail) in comparison to the two panel edges.

4,5 KW electrospindle with speed up to 18.000 rpm, tool clamping ER32

4,5 KW electrospindle with speed up to 24.000 rpm, quick change spindle tool ISO30

Tool change unit

Customized hinge boring unit (with inter-axis at customer's choice)

Glue & dowel inserting unit

Hardware inserting unit (bushes, hinges, hinge plates, etc.)

Handling system to completely manage the automatic processing cells.

Electric cabinet cooling by external air conditioning system.

Configurable with hardware inserting units.

