

750 THE OMEC TRADITION

The 750 model is a token of the Omec tradition. This machine was designed in 1965 and was the first automatic milling machine that was launched in the market by Omec. It was manufactured in several thousands of pieces and many competitors have tried to copy it with no equivalent success.



In time, this machine has been enhanced with the addition of new developments based on acquired experiences, on new production technologies and on European safety standards. It is now more compact and boasts an excellent level of reliability and quality in machining.

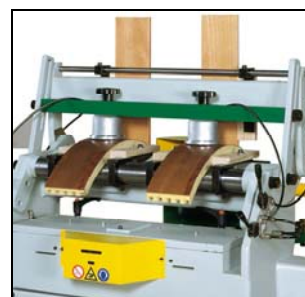
The machine can be controlled by a control panel fitted directly on the machine, and processing is possible with two different tool feeding speeds, so that the tool's feeding speed can be adapted to the different types of processed material.

Workpieces are locked manually by means of pneumatic cylinders controlled by lever-operated valves that are fitted onto the machine base. This machine can process single male workpieces, single female workpieces as well as combined male-female workpieces.



The feeding of workpieces occurs by means of a system of tooth plates and cams that automatically move the tool. Looking from the operator's station, the work cycle occurs from the right side to the left side, sliding all along the length of the work top. A special stop tells the milling unit to go back to the cycle start point. When small-size workpieces are machined (80-120mm) it is possible to reduce the work cycle by moving the workpieces towards the machine centre and displacing the stop accordingly.

The OMEC 750 milling machine has a fixed pitch (the distance between the centres of joints is 25mm). It is also available with an extended work top (Omec 750-L) to machine boards up to 900mm, and with a tilted work top (Omec 750-I) to machine dovetails on curved and shaped drawers.



The milling machine is very easy to use. Adjusting screws can all be accessed from the front side of the machine base.

The spindle is fitted with an eccentric milling cutter with only one cutting side. Therefore, after the sharpening procedure, the outer diameter can be adjusted by simply rotating the milling cutter towards the + symbol. This adjustment allows

operators to sharpen the tool several times before replacing it.

With this operation it is also possible to adjust the joint's coupling depending on height.

The high number of revolutions of the tool's motor guarantees a perfect machining of solid wood.



It can also be fitted with different types of optional features:

the chipping of sides on the tool feeding area can be avoided by installing a set of wooden deburring tools on the reference stroke-pieces.

The centric spindle allows for the use of milling cutters with two cutting sides.

The equipment for the machining of small workpieces can be used to easily manufacture drawers with a front width up to 130mm.

This machine has been designed to offer a good price/performance ratio, a simple operation and very easy adjustments, which make up its strong side.