

## **OMEC F11TS A COMPLETE MILLING SYSTEM FOR THE PRODUCTION OF DRAWERS**

The Omec F11TS CNC milling machine was designed with the aim of ensuring the utmost versatility for the machining of drawers and furniture parts.



The CNC milling machine lets you modify the following parameters within the machining limits: type, pitch, number and depth of joints, workpieces' size, cutting speed, tools' feeding speed and tool diameter variation.

All machining data can be entered with a simple procedure, following the software instructions on the machine's control panel with a touch screen monitor.



The CNC system can save up to 600 different

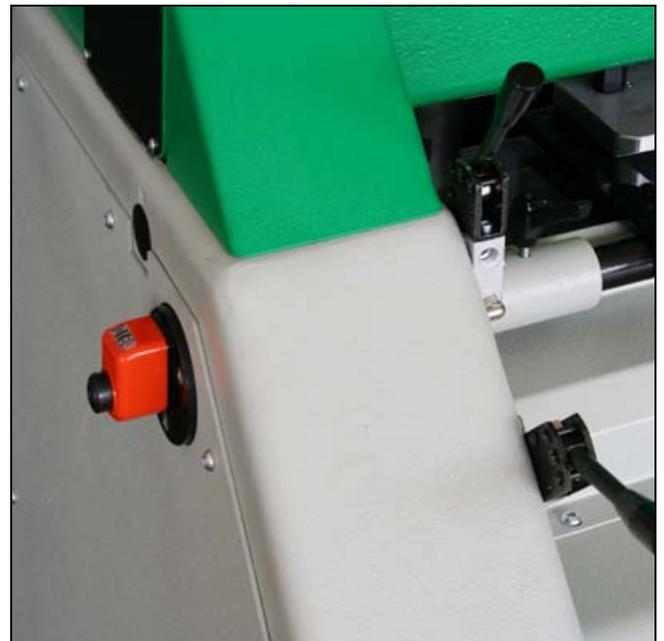
machining programmes that can be recalled according to the user's needs. The machine software has drop-down menus. The machine has a USB port to update the software.

On request a barcode reader can be installed to load the programmes using the code.

The machine's output is 120 finished drawers per hour.

The machine can operate with whole hard-metal tools or with diamond-tipped tools. This machine uses tools of different diameters (from 6 to 18 millimetres) in order to manufacture even joints with a very small pitch. The machine is fitted with two top deburring units and two bottom deburring units made of plastic. The wide range of tool feed speed adjustments lets you obtain optimal results on all types of wood and composite materials (hardboard, plywood and MDF) with no chips or machining burrs.

The only necessary manual adjustments concern the pushers height and the spindle height, which can be obtained by operating on the adjusting screw. The stroke-pieces of vertical parts are fixed, whereas horizontal stroke-pieces can be adjusted through a screw and have a specially designed position indicator. The stroke-piece position is provided directly by the CNC system depending on the pitch used for the machining process.



This machine can manufacture several types of joints, specifically: dovetails with fixed and variable pitch, interrupted joints, pass-through joints with ball-shaped or rectangular male pieces, alternated

dovetails (a small dovetail followed by a large one), front-pieces with stroke-piece, parallel joints, French joints and housings for guides fitted on the drawer's back-piece and seats for the mechanical connections of the fronts. X



The machining range envisages also applications other than the machining of drawers, for example cutting slots in table legs, pin holes for shelves, and machining the sides of units and joints for bed frames and kitchen suction hoods.

The F11TS milling machine is factory set for the installation of a number of tools that allow users to customise the machine according to their needs in time.

The available tools are:

- Equipment for machining drawers with curved, concave, convex or irregularly shaped front-pieces
- Equipment for machining angular drawers
- Equipment for milling the seats of mechanical connections for front-pieces
- Vacuum unit for working small pieces
- Barcode reader

Moreover, it is possible to complete the machine software with two optional programmes to perform engraving operations on the Y axis (engraving of table legs and tops) and rear half joint machining at the beginning and end of the X-axis.



The fast, simple adjustments and replacement of tools and the machining programmes make this milling machine very versatile and able to manufacture cheaply small and medium size drawers, maintaining a high quality standard.