

***SBM1200 MANUAL CLAMP  
HYDRAULIC PRESS FOR  
THE ASSEMBLY OF  
WINE/SPIRIT CRATES,  
TOOL BOXES,  
ITEMS FOR GIFTS AND  
FRAMES FOR BEEHIVES***

The Omec SBM1200 manual clamp has been designed and built for assembling boxes for packaging purposes machined with straight joints.

The machine has a hydraulic station that drives three cylinders to press the four sides of the box to be machined, which has been previously inserted in the specially designed vises.



The drawer size can be simply adjusted manually by the operator. Height and width can be adjusted by means of a handle that drives a rack cart for width adjustment and two chain carts for height adjustment. Depth adjustment is obtained by sliding the stroke-pieces along a track that is carved directly onto vises.

The machine is designed to perform two different machining cycles, a continuous cycle and a non-continuous cycle, which are PLC-controlled.

In the continuous operating mode, the machining cycle is as follows: 1) The operator inserts the workpieces in the machine and presses the specially designed pushbutton to start the cycle. 2) The machine presses the crate. 3) The front stroke-pieces are automatically released so that

the crate is pushed towards the operator by the springs of the rear stroke-pieces and the work-piece is easily removed. 4) The machine automatically sets in the correct position for the insertion of new workpieces. In this way it is possible to achieve an hourly output of 180 crates.



In the discontinuous operating mode, it is possible to hold the crate in the pressing position as long as you wish, so that the operator can easily install the crate's bottom while the crate is still on the machine using the standard riveting systems. In this case, it is the operator's task to control the release of vises through the specially designed pushbutton when the assembly of the crate's bottom is completed.

This machines is suitable to assemble the full series of wine boxes, from boxes for single bottles to "magnum" boxes. It can also be fitted with different types of vises allowing for the assembly of small-size crates up to the minimum size of 85x70x35mm, frames for beehives or large packages with a size up to max. 400x400x1050mm.

The pressing operation is always performed with the four drawer's elements kept separate. Therefore it is not necessary to pre-assemble the drawer prior to inserting it into the machine.

