

ORMA NPC DIGIT HOT PRESSING TECHNOLOGIES



The Orma NPC Hot press is the result of constant studies in the research of highly functional and reliable machines. The main characteristics of these machine are:

Press structure: Structure is made entirely of welded and tooled machine beams. The choice to offer the beam structure instead of the bended steel sheet (economically more viable) has come from the decision to offer a highly reliable product where quality plays the main role.

Hydraulic system: HAWE highly reliable hydraulic power unit fitted with a double stage pump, the first stage at a low pressure and fast drive to begin the platen movement and the second stage at a high pressure and slow movement to get the press into the working pressure set by the operator.

Controls: General switch board from where the operator can set and use all functions of the press. As a standard all the presses are supplied with the automatic pressure recovery device. This accessory allows to keep the same given pressure, even in case the panel, under the platen thrust, shall lower its thickness. Siemens touchscreen digital control to set and/or adjust all press functions.

Mechanical Elements: All the NPC presses are fitted with a crossed rack system composed of: 2 rack groups for the platen depth and 2 groups for the length all connected by torsion shafts to grant a perfect platen movement.

Feed Through Options:

NPC/A:

This version is an automated version of the NPC standard press with loading conveyor equipment, motorized belts for the working piece to move through the press and unloading conveyor. The press can be fitted for end or sided loading and can have either an upstroke or down stroke platen movement. The press line can be further complimented with a glue spreader, motorized transfer and positioning equipment as well as different solutions for unloading.

NPC/R:

Handling panels properly on through feed presses has always been a problem. To improve productivity and to facilitate these operations we designed and manufactured the NPC/R Hot Press. This machine, fitted with a double composite conveyor, allows the transfer of boards from the glue spreading machine onto the press lay-up table turning them of 90°. The double conveyor, fixed to the press lay-up table frame, is composed by a powered system whose knives run orthogonally to the press and by a free wheel conveyor, inserted in the same direction of the press infeed conveyor. Once board(s) are in unloading position on the knife conveyor acting on a lever, a pneumatic circuit raises the free wheel conveyor and lets the boards slide, via gravity, onto the press lay-up table.