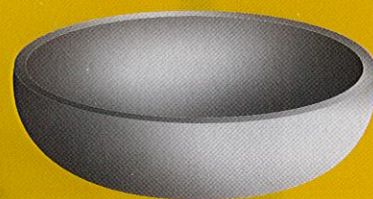


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DISHED HEAD LINES



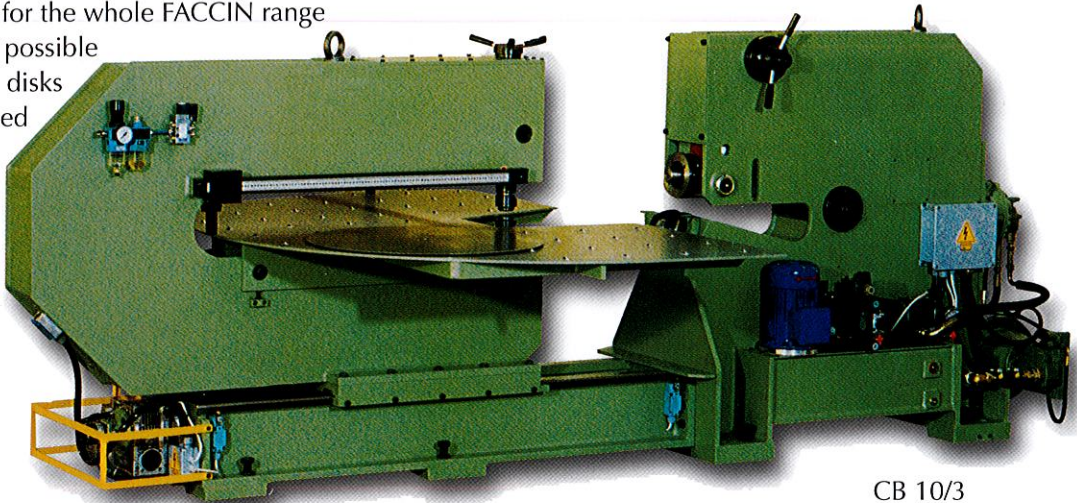
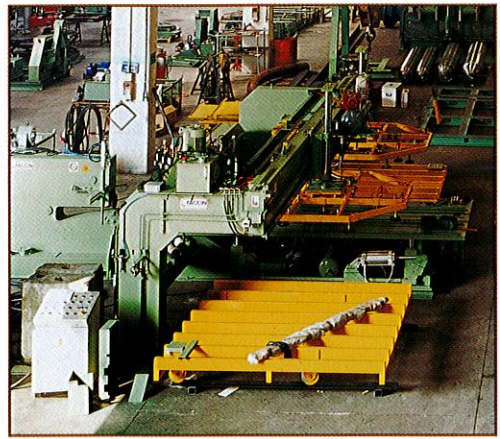
FACCIN

B Circular shears

Blank

An economical system to cut the blank from a square plate is provided by FACCIN CB series of circular shear. These machines are available in different capacities up to 10 mm (0,375") in thickness and 500 mm (19,685") in diameter. Normally, for thicker plates, thermal cutting is used. The circular shear can be supplied as a traditional machine with manual loading/unloading of the work-piece or in a fully automated loading cell.

Models are available for the whole FACCIN range of circular shears so that it is possible to cut disks of various diameters for cutting the disks of those thin walled steel heads typically used in the food processing industry.

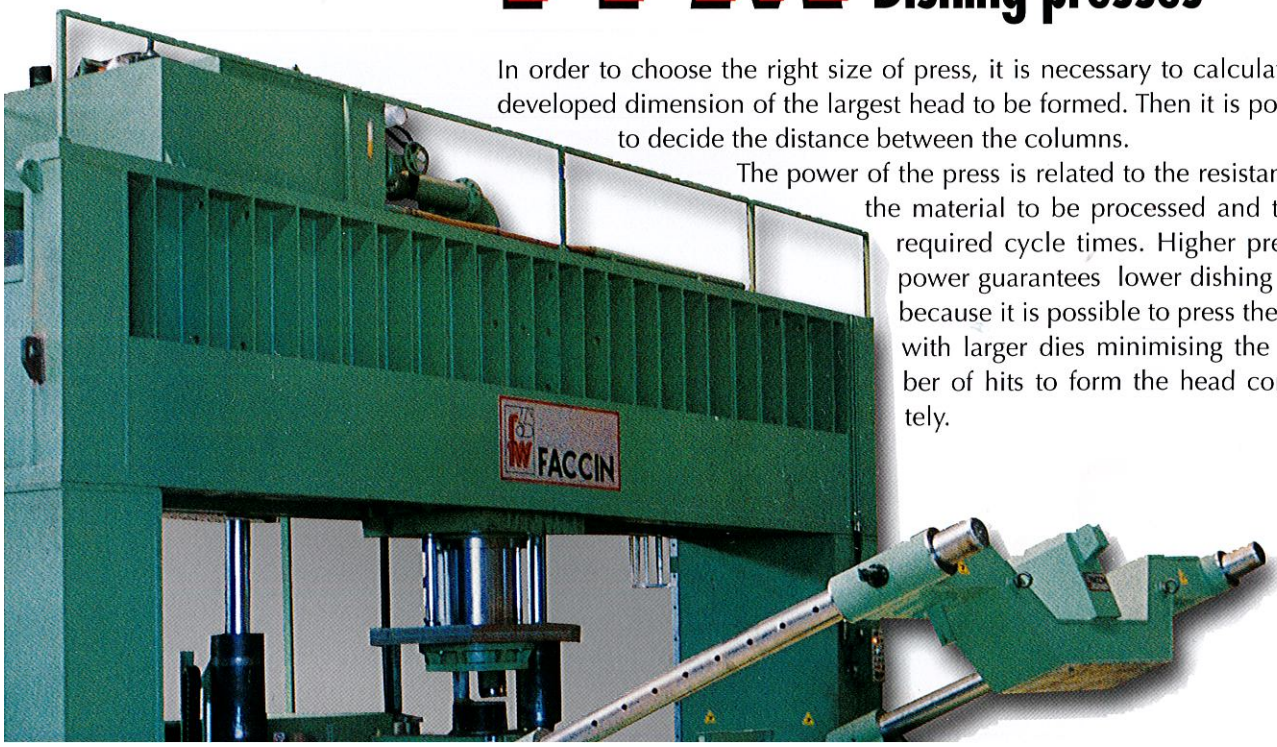


CB 10/3

PPM Dishing presses

In order to choose the right size of press, it is necessary to calculate the developed dimension of the largest head to be formed. Then it is possible to decide the distance between the columns.

The power of the press is related to the resistance of the material to be processed and to the required cycle times. Higher pressing power guarantees lower dishing times because it is possible to press the plate with larger dies minimising the number of hits to form the head completely.

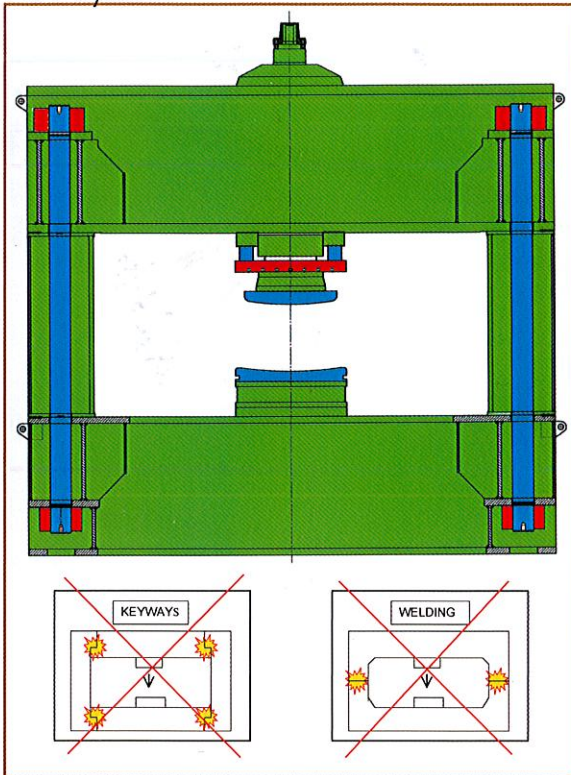


PPM Dishing presses

Frame Structure

PPM series of hydraulic presses, guarantee superior formability and the highest reliability because they are designed with the exclusive **HPT SYSTEM** to minimize the deformation of the frame. In this solution, two solid forged tie rods are used to keep the frame connected to the upper beam with a constant compression load. The rods are permanently pre-stressed. There are cheaper alternatives to the construction of hydraulic presses for manufacturing tank heads. In the cheaper design, the base is connected to the upper beam by means of structure machined on the frame or simply by welding the structure to a monolithic piece. FACCIN presses are all designed with HPT

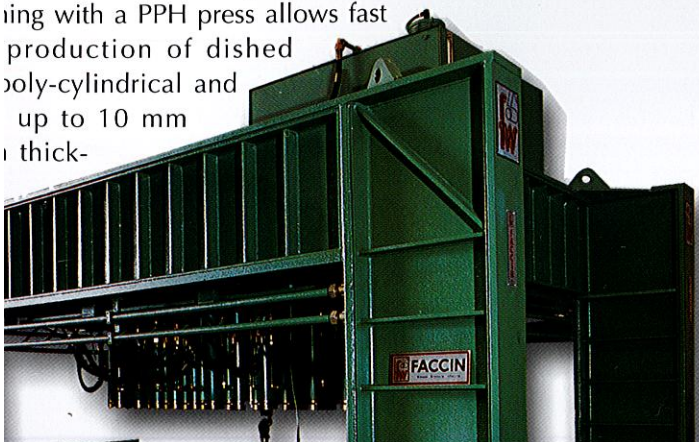
HPT System



PPM 1000/6 + MA 200

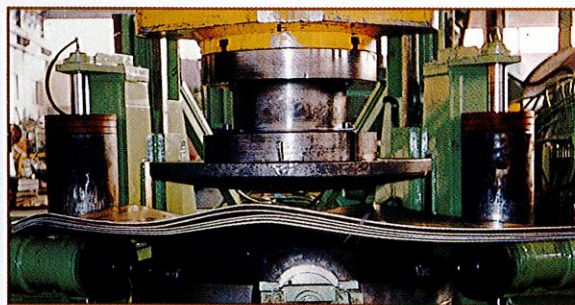
Versions

The range of hydraulic press goes up to 1.650 Tons of pressing force, which is suitable for many applications other than heads dishing. FACCIN presses have been installed in shipyards because of their versatility, with dedicated options like transverse movement of top and bottom dies or with rotating top and bottom dies. Working with a PPH press allows fast production of dished ends, conical, poly-cylindrical and spherical shapes up to 10 mm thickness.

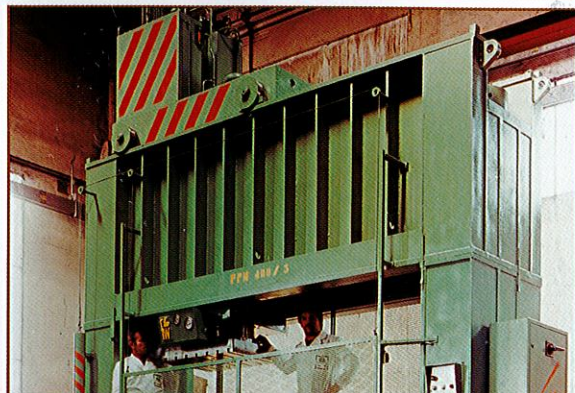


Handling systems

Automatic manipulators can be used to accurately position the plates under the press dies. This solution guarantees very high and consistent quality. An important advantage given by the MA series of manipulators is the reduced production times for dished ends and the additional benefit to press a number of plates together. The possibility of multiple plate forming means consideration should be given to increasing the size of press.



MA 200



PPM