



*Our experience
at your service*

Maximum Diameter (D) mm	Head Thickness Mild Steel mm	Head Thickness Stainless mm	Flanger Size /Dia	Recommended Press /D	Manipulator Capacity
3000-4000	6	4	BF 6/D	PPM 100/D	MA 15
3000-4000	10	7	BF 10/D	PPM 150/D	MA 15
3000-5000	15	10	BF 15/D	PPM 200/D	MA 30
4000-5000	18	12	BF 18/D	PPM 220/D	MA 50
4000-5000	20	14	BF 20/D	PPM 250/D	MA 50
4000-5000	22	16	BF 22/D	PPM 280/D	MA 70
4000-6000	25	18	BF 25/D	PPM 300/D	MA 70
4000-6000	28	20	BF 28/D	PPM 350/D	MA 70
4000-7000	30	22	BF 30/D	PPM 400/D	MA 70
4000-7000	32	25	BF 32/D	PPM 500/D	MA 70
4000-8000	36	28	BF 36/D	PPM 600/D	MA 120
5000-9000	40	30	BF 40/D	PPM 800/D	MA 200
5000-9000	42	31	BF 42/D	PPM 900/D	MA 240
5000-9000	45	32	BF 45/D	PPM 1000/D	MA 240

Each model of machine is available in different dimensions according to the heads maximum diameter. Larger, Smaller and intermediate sizes are available upon request.

Please always complete your enquiry with the indication on the types of head you need to manufacture.



FACCIN

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Data can be changed without prior notice in consideration of our continuing technological improvements.



FACCIN

DISHED HEAD LINES



*Quality without
compromise*



SOLUTIONS for Heads Manufacturing

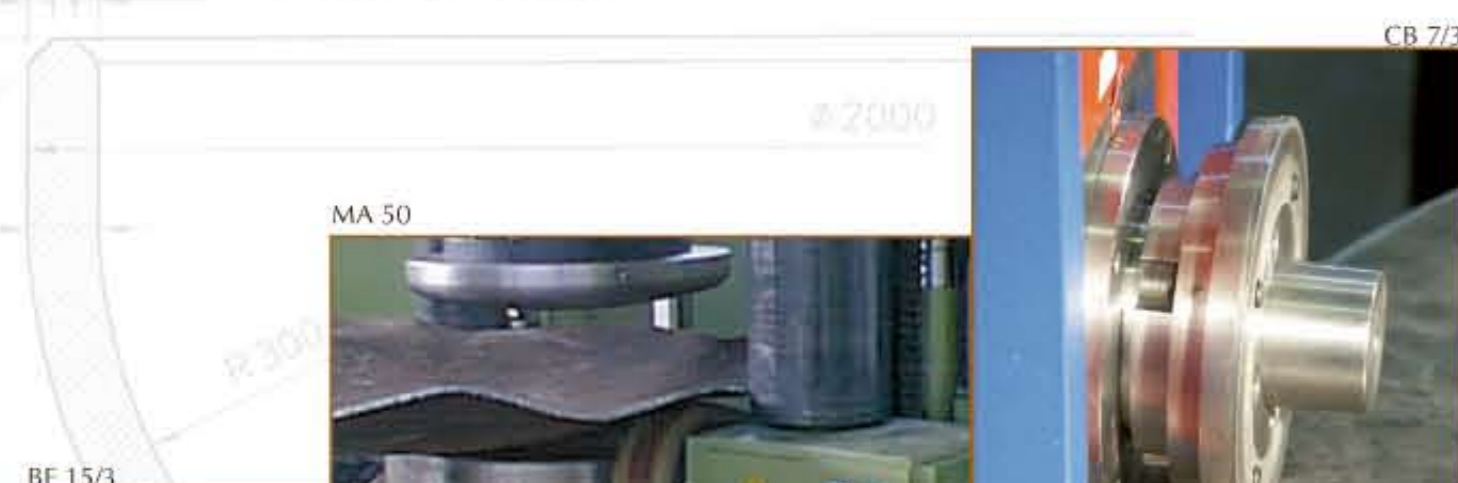
FACCIN is the ideal partner when investing in a modern dished end fabrication line. Over 30 years experience and a long line of satisfied customers is your guarantee for the quality of the product. Our many installations are also source of new innovation for dedicated custom built solutions. FACCIN automatic flanging machines range from 6mm (1/4") to 45mm (1 3/4") cold forming and heavier when

using the hot forming process.

FACCIN hydraulic presses, model PPM, range up to 1,650 tons and are versatile to be used for dishing, straightening and swaging operations.

FACCIN automatic manipulators and global plate handling systems complete the FACCIN range of machines for the total automation of the whole manufacturing process.

ASTM 516 GR 70



CB Circular shears

Cutting the blank

A fast and economical system to cut the blank from a square plate is represented by FACCIN CB series of circular shear. These machines are available in different capacities up to 10 mm (0,375") in thickness and 5 metres (16ft) in diameter. Normally, for thicker plates, thermal cutting is preferred. The circular shear can be supplied as a traditional machine with manual loading/unloading of the work-piece or in a fully automated disks cutting cell.

Flanging tools are available for the whole FACCIN range of circular shear so that it is possible to use it both for cutting the disks and flanging those thin walled stainless steel heads typically used in the food processing industry.

AUTO LOAD/UNLOAD - CB 10/5

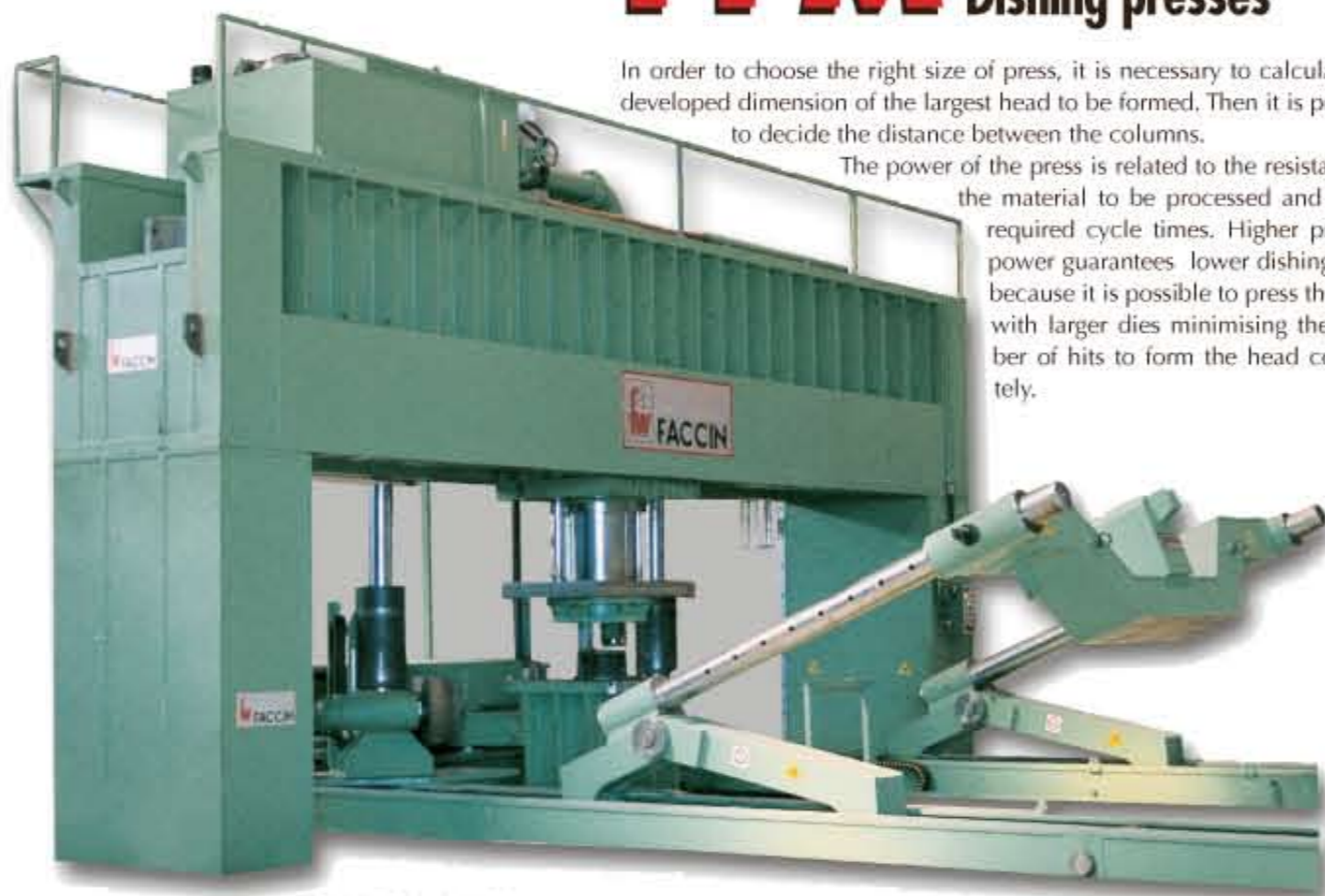


CB 10/3

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 800/6+MA120

PPM Dishing presses

Superior Frame Structure

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



PPM 1000/6 + MA 200

Special Versions

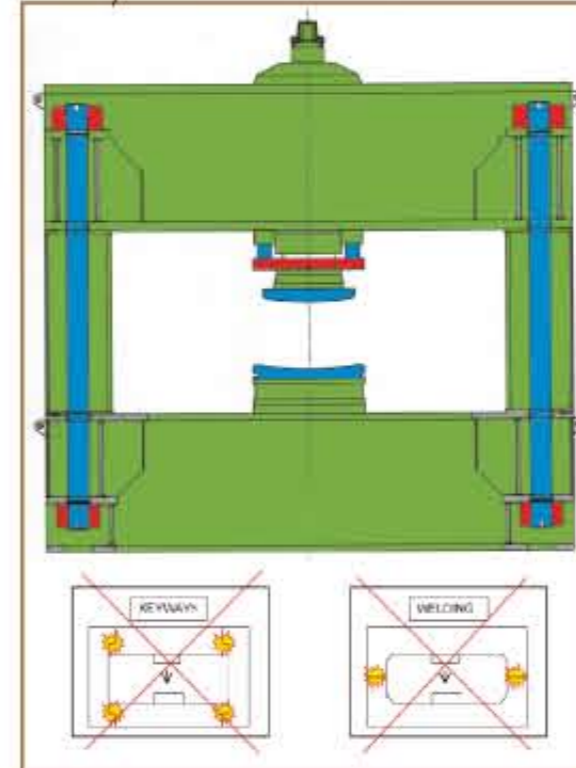
The PPM range of hydraulic press goes up to 1.650 Tons of pressing power and is suitable for many applications other than heads dishing. Many PPM presses have been installed in shipyards because of their versatility with dedicated options like transverse movement of top and lower die holders or with rotating top and bottom dies.

Hydro forming with a PPH press allows fast and easy production of dished heads for poly-cylindrical and oval tanks up to 10 mm (3.375") in thickness.



PPM 1500

HPT System



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 70



PPM

BF Flanging machines



BF22/4

BF30/5

BF40/6WCM

Automatic Flangers

With the widest range of flanging machines available on the market, FACCIN is the ideal supplier for those companies who need to improve the quality of their production and, in the meantime reduce the production costs. Every BF flanging machine is designed to be very easy to operate. It is supplied, in its standard configuration, with a fast automatic working cycle to help inexperienced operators during the flanging process. The BF range of flanging machines is available in "with centre hole" or "without centre hole design" and goes up to 45mm (1.75") capacity. A comprehensive range of accessories is available like: automatic tool change systems, automatic loa-

ding/unloading systems for the work-piece, edge bevelling. Numerical control units with graphic programming, digital feedback system for diameters control and special design solution for specific applications.

Longer life of the tooling is guaranteed by the use of special alloy forged steel for manufacturing the flanging and shaping rolls. The FACCIN special tooling can also be used as a substitute for the less reliable rolls originally supplied by other manufacturers.



BF25