

DEBURRING MACHINE FOR GEAR WHEELS AND INTERNAL GEARS TM 400 4BP

The deburring machine TM 400 4BP has been designed and realized by Tecnomacchine in order to deburr gear wheels and internal gears of large and small diameters. Three adjustable towers take up gears wheels of diameters between 180 and 550mm. Using a universal chuck, it is possible to deburr internal gears of different diameters and a height of up to 210mm.

The machine is able to deburr and brush gear wheel simultaneously and on both sides. It is equipped with two grinding wheels and two brushes which move automatically to load and unload the work part. The grinding machines are equipped with special shields and are served by three adjustable aspirators.

The machine is equipped with an opening on top for the loading and unloading of work parts by means of bridge cranes.

The arms supporting the grinding machines are equipped with a "wrist" permitting it to be entirely adjustable. After an initial setting of the grinding wheels, it is possible to quickly adjust the arms to the various diameters of the work parts to be machined by means of a simple radial translation of the different groups of "arms supporting the grinding wheel". The programmes uploaded onto the PLC, for the operation in "auto" modus, can carry out entire deburring and brushing cycles with the possibility to exclude the lower units. It is possible to perform only deburring or only brushing cycles. The machine can be assembled on the client's requests regarding diameter, weight and height of the work parts to be machined.

