



T H I N K
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BRAKE PADS GRINDING MACHINE

The brake pad grinding machine is a self-contained machine, substantially consisting of an electrowelded steel bed, where the following is fixed:

- One worktable suitable for translation of brake pads;
- One working unit consisting of a power spindle, which the grinding wheel is coupled to.



Loading and unloading of the brake pads to be ground are carried out by means of two units, mounted on the worktable and including suitable pneumatic actuators, used to control the displacement and rotation of the pick-up units. The pad picking-up units are fitted with appropriate electromagnets.

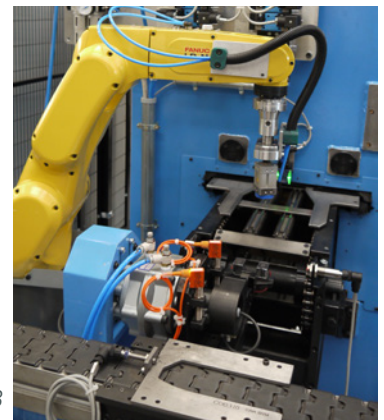
Function of this machine is the automatic grinding of brake pads, friction material side.

Technical features:

- The speed of the worktable where the brake pads are sliding may be adjusted function of the loading manipulator speed;
- Loader A, capacity 550 pcs/h.
- Loader B, capacity 850 pcs/h.



Loader A



Loader B

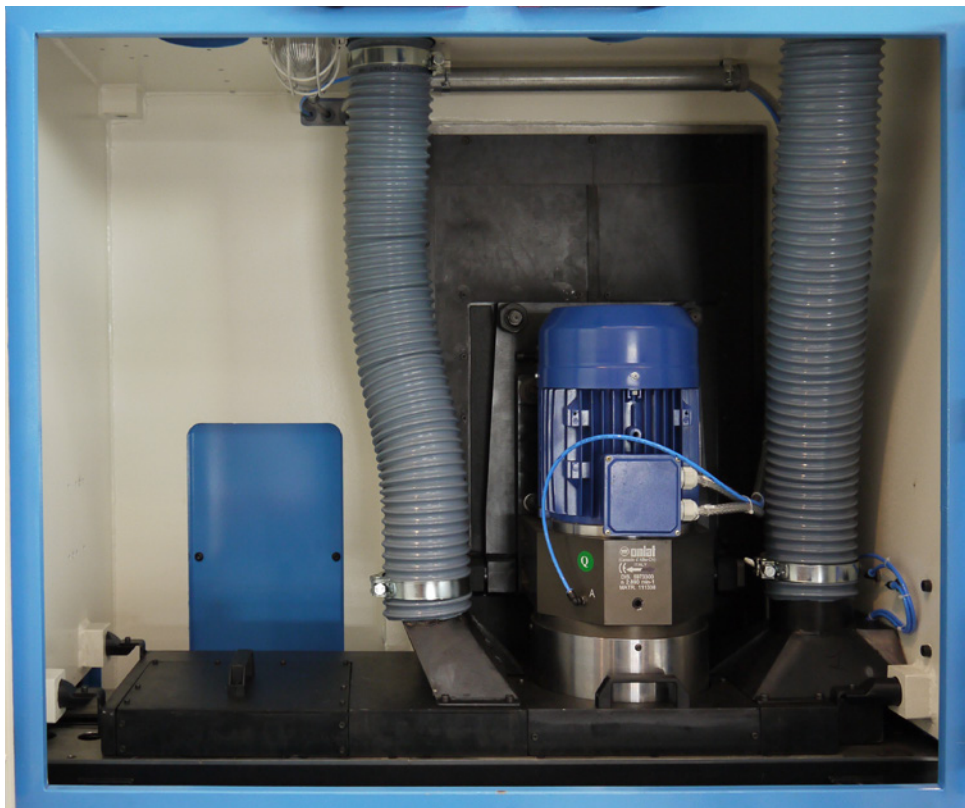
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Workpiece

The grinding head unit includes the following main components:

- Head slide running on round bars and fixed to the frame of the bed unit;
- Floating plate, constrained to the hinging plate by means of 2 pins, where the head coupling plate is fixed;
- Power spindle “Omlat”, 2-pole, 380 Volts, secured to the head coupling plate, where the diamond wheel has to be mounted;



Machine inside – Grinding head and cutting arrangement

NOTE: A pad-cutting head can be added before the grinding head.