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P88/BIG

MOLDING MACHINE FOR SPECIAL APPLICATIONS

MOLDING MACHINE FOR SPECIAL APPLICATIONS CLASS P88/BIG

The machine P88/BIG is a flexible unit for special applications which accepts one mold in aluminium with maximum dimensions 60 x 47 cm or two molds with maximum dimensions 29 x 47 cm

The unit can be used for prototyping or for molding components of small dimensions in alternative to a more expensive molding with a steel mold.

TECHNICAL FEATURES

- The machine consists of two molding heads, where two molds of maximum dimensions 29 x 47 cm or a mold of maximum size 600 x 470 mm can be mounted.
- The operator positions the pieces to mold then starts the operation.
- The molding cycle consists of the descent from the top of the male mold on the female mold with approaching speed pneumatically adjustable.
- The molds (without electric resistances and equipped with self-centering system) are fixed on supports with heating resistances.
- The operation of changing the molds is easy and fast. It is enough to connect the thermocouple plug to the socket on the machine.
- Machine is equipped with a couple of height adjustable PLIERS to keep in position and to brake the flow of the material during the descent of the male mold and avoid the creation of creases (possible on some materials)
- Photoelectric safety barrier on the front of the unit to control the access in the molding area.
- Compressed air tank for the pneumatic cylinder.
- All setting of temperature and times are adjustable with digital timers and thermoregulators.
- Graphic touch screen operator panel to set the molding temperature and time with complete diagnostic software to inform the operator of any possible alarm and to display instructions to restart the unit.
- PLC controlled machine with a separate safety PLC to control the safety devices.
- Presetable timer P90/TIM for automatic start-up and shut down of the unit on request.

TECHNICAL DATAS

- Dimensions of the molds : Nr.1 mold 600 x 470 mm or Nr.2 molds 290 x 470 mm
- Max molding temperature : 250°C.
- Installed power : 12 kW 400V 50 Hz 3-phase + Neutral + Ground.
- Compressed Air..... : 6 bar min (58.5 PSI), 150 lt/hour).
- Molding force : 29.000 N.
- Stroke of the upper cylinder : 500 mm
- Time to change a mold : 3 min