

Automatic system for grinding electrical boxes

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INPUT TABLE

Composed of a welded and painted steel frame, with adjustable feet and fixing system to the ground with expansion plugs. Free rollers in galvanized steel.

GRINDING CORNERS GROUP WITH 2 HEADS

Welded steel frame and fixing system to the ground with expansion plugs.

N.2 motorized horizontal carriages, guidance system with reducer and trapezoidal screw transmission and nut, electronic positioning according to the workpiece width from 200 mm up to 1200 mm.

N.2 conveyor belts with toothed belts width 50mm coated in polyurethane, motorized by a gearmotor asynchronous, inverter and incremental encoding. The guides will move the workpiece up to the processing area. The side guide is in polythene.

Vertical movement of the heads, recirculation guiding system and motorised system with reducer transmission and trapezoidal screw and nut, electronic positioning according to the width of the workpieces up to 400mm, with incremental encoding.

Grinding heads with swinging forks for rounding edges, pneumatic abrasive belt tensioning, motor power 2,2 kW, abrasive belt size 150x2000mm.

GRINDING GROUP ON FLAT WITH 4 HEADS FOR THE UPPER WELDED PART OF CORNERS

Welded steel frame and fixing system to the ground with expansion plugs.

N.2 motorized horizontal carriages, guidance system with reducer and trapezoidal screw transmission and nut, electronic positioning according to the workpiece width from 200 mm up to 1200 mm.

N.2 conveyor belts with toothed belts width 50mm coated in polyurethane, motorized by a gearmotor asynchronous, inverter and incremental encoding. The guides will move the workpiece up to the processing area. The side guide is in polythene.

Vertical movement of the heads, recirculation guiding system and motorised system with reducer transmission and trapezoidal screw and nut, electronic positioning according to the width of the workpieces up to 400mm, with incremental encoding.

Grinding heads with swinging forks for rounding edges, pneumatic abrasive belt tensioning, motor power 2,2 kW, abrasive belt size 150x2000mm.

Horizontal heads movement, recirculation guiding system and motorised system with reducer transmission and trapezoidal screw and nut, electronic positioning according to the width of the workpieces up to 400mm, with incremental encoding.

OUTPUT TABLE

Composed of a welded and painted steel frame, with adjustable feet and fixing system to the ground with expansion plugs. Free rollers in galvanized steel.

ELECTRIC PANEL

Control panel with PLC and touch screen composed of metallic framework containing contactors and relay, start and stop button, emergency stop, alarm and all the electrical components necessary for the proper functioning of the machine.

FENCING

Welded wire and painted mesh, fixed to the ground with screw anchors. The height is 2200mm from the ground. Opening doors with security system.

Suggested suction system self-cleaning compressed air, with capacity 4000 m³/h Consigliato filtro di aspirazione ad aria compressa auto-pulente, con capacità di assorbimento 4000 m³/h equipped with silencer to 73/75 dB/A