CSM MACHINERY

OAKLEY
INDUSTRIAL MACHINERY

Semi-Automatic Coil-Pin Welding Machine

Semi-automatic machine for welding coils to terminal pins.

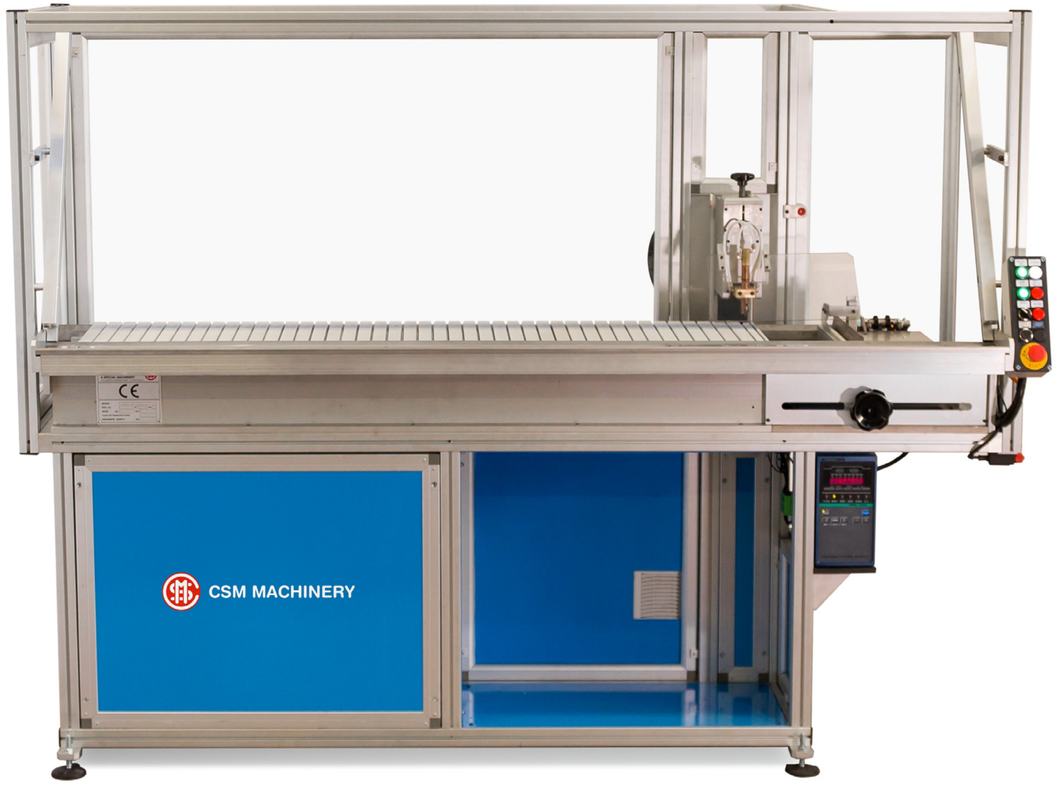


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Machine composition

- **Walking beam** transfers the preassembled terminal pin/coil from the loading position to the welding station. After welding, the parts are offloaded into a stainless-steel container.
- **Working table** made of stainless steel, complete with a device to unload and guide the terminal pin/coil assembly on the walking beam.
- **Pneumatic alignment device** aligns the terminal pin/coil assemblies under the welding electrode, guaranteeing repeatability of the welding process (always at the same point of the coil).
- **15 KVA welder,** complete with process control.

This device has been designed and built as an intermediate solution between completely manual welding of the terminal pins to the coils and the fully automatic solution.
The semi-automatic device allows automatic welding of coils to terminal pins, on manually preassembled coils/ terminal pins.



Technical characteristics

Cycle time	3-4 sec.
Terminal pin length	45-200 mm (1.8-8″)
Terminal pin diameter	2,5-4 mm (.10-.16″)
Coil length	50-1200 mm (2-47″)
Coil OD	1,8-4 mm (.07-.16″)
Power supply	V to be defined
Installed power	15 KVA
Pneumatic supply	6 bar
Water supply	2 l/min (.53 gal/min)
Welding machine	to be defined
Dimensions	2325 × 1245 x H 1770 mm (91.5 × 49 x H 70″)
Weight	400 kg (882 lb)
Set-up time*	2-3 min.

3-4
sec.
cycle time

15
KVA
installed power

255
nr.
weld programs

2-3
min.
set-up time

*When changing the coils or pins, the operator will have to:
- adjust the welding parameters, as in any manual welding system;
- adjust the reference stop according to the length of the terminal pins;
- adjust the positioning device of the terminal pin/coil in the welding station.

AVAILABLE VERSIONS

Mod. 120/50.MIP250 – Complete with welder with inverter controller, with possibility to store 255 weld programs

OPTIONS

Mod. 120/50.000050 – Set of parts subject to wear
Mod. 120/50.000055 – Set of spare parts

Layout

