

DIMPLE JACKET WELDING MACHINES



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The plant positions the spot-welding units and the sheets to be both spot and edge welded. The welding units are carried on compressed air driven slides for vertical travel and on two independent motorised axes for cross-travel. The sheets are transferred by two pairs of motorised rollers that allow sheets of considerable length to be processed.

An electronic device (PLC) controls the machine, governing via the programme the logical sequence of the processing cycle. The PLC is connected to a touch sensitive display terminal (Touch Screen), that allows the variable parameters for the single processes, times and positions for welding to be input and memorised in the resident programmes.

Two or more spot-welding units are provided each with TIG generator, made up of a torch carriage with a special patented sheet holder, for longitudinal, transverse and spot welds. Brushing units are fitted in line with the torches to clean the spots welds.

Spot and transverse weldings are on a copper bar with cooling and gas shield.

The longitudinal welds can be with two torches at the same time.

Optional applications:

CAD-CAM software that allows to create the work program from a drawing file.

Plasma or resistance welding generators.

Remote Weld Monitoring Camera System, with manual control for longitudinal and transverse seam weld on the edges of the jacket sheets.

