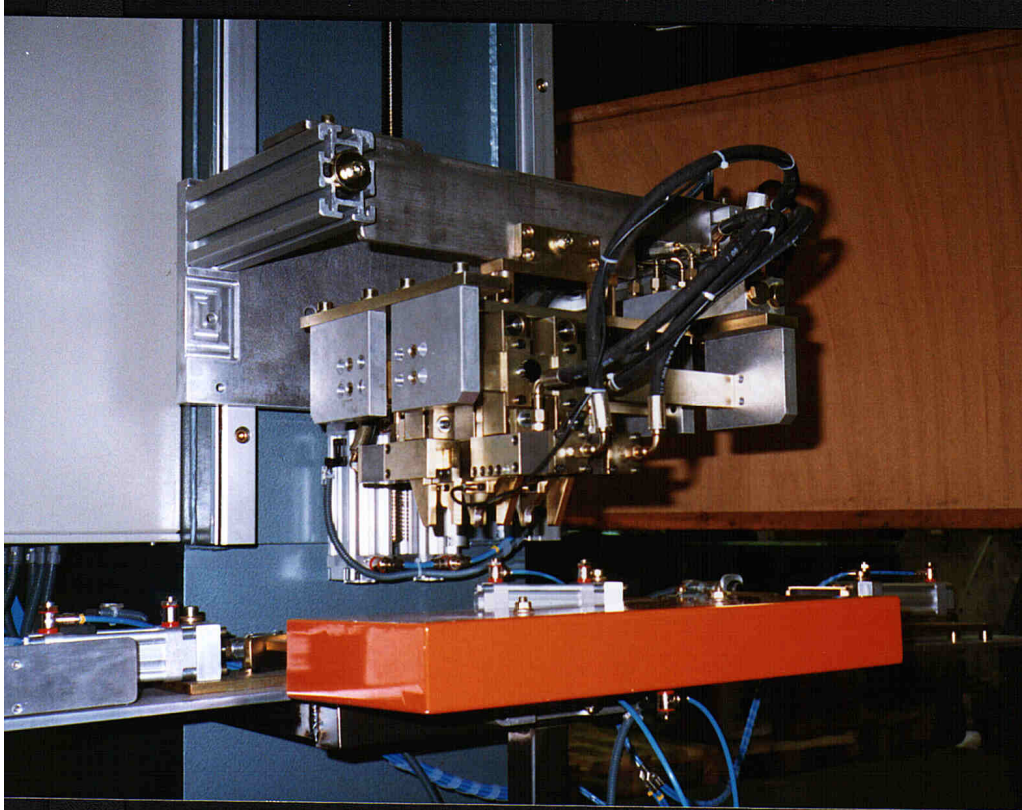




THE CONSORTIUM BATTERY EQUIPMENT

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SHEAR TESTER



The shear tester verify the mechanical resistance of the intercells welding without destroying it.

Tooling

Five testing fingers with hydraulic handling adjusting following the battery type. Each fingers is composed by a jaws couple

The testing head comes with jaws onto the two welded connections as the battery is suitably

blocked under the testing head.

The jaws slide in the opposite direction by hydraulic cylinders, which execute cuts on the welded surface of the connections.

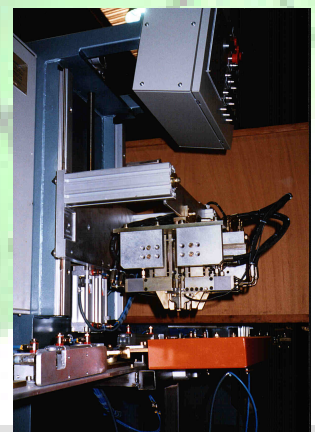
The welding point is tested exposing it for a specific time (generally 0,5 sec. to 10 sec.) under strength to point out eventual welding defects.

If the pressure (inferior to the total yield stress of the checking section) do not determine the disjunction of one of the 5 cells the battery is accepted.

Technical data

Power : 380 V, 50 Hz (three-phase)
Machine dimensions : Length 2200 mm
Height 2100 mm
Width 1600 mm

Installed power: 2 kW
Air pressure: 60 Bar
Oil pressure: adjustable from 0 to 40 Bar
Electric panel : CPU SIEMENS



CONSORTIUM BATTERY EQUIPMENT: STARTER & VRLA ASSEMBLY DEPARTMENT

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DATA HERE CONTAINED ARE ONLY FOR REFERENCE