

AUTOMATIC OCV TEST MACHINE

Technology
[made in Germany]

Automatic final OCV test of automotive car and truck batteries
with best and high technology



The Advantage:

- Soft post contact system
- Reject table for failed batteries
- Automatic test process
- Short change-over time

Basic machine

The basic machine accommodates the individual components and contains the pneumatic and electric control system of the machine. The basic structure accommodates the operating console which is vertically adjustable. The latter serves to accommodate the testing station.

Test unit

The test unit accommodates the probe with a corresponding test pin. For testing, the probe is moved onto the terminal of the battery and while testing a hermetic sealing between terminal and test clamp is guaranteed.

Soft test pin

The test pins with the peaked are soft moving down by a pneumatic cylinder, so that a superb and smooth connection is guaranteed.

Battery positioning unit

For testing, the batteries are exactly positioned under the testing station. This performed by a system, which always guarantees an exact centre-positioning and does not require any change of positioning in machine direction.

Lateral guide unit

The lateral guide including the battery separation and the exit monitoring device is designed for laterally adjusting the battery below the working station. A clamping mechanism ensures the adjustment to be executed exactly and fast.

Battery conveyor unit

A flat top chain transports the batteries through the machine and, at the same time, ensures them to be adjusted smoothly and exactly at the test position.

Description of function

The machine is designed to be used for OCV test of batteries after the formation in the finishing area. The individual batteries supplied through the conveyor of the test machine are positioned exactly. The test stroke is lowered onto the battery terminals. By especially electrical measuring system batteries will be controlled. Therefore, the unit is provided with two control units for each end terminal, positive and negative.

Technical specifications

Battery type	:	automotive car and truck batteries
Capacity	:	up to 8 batteries/min (depending on test time)
Weight of batteries	:	20 – 70 kg
Dimension of machine	:	L = 2500 mm W = 1525 mm H =2200 mm
Construction	:	Stainless steel 304, with aluminum profiles
Electric	:	230/400V, 3-Phase, 50/60 Hz, 4 Wire
Control voltage	:	24 DC
Power consumption	:	2,1 kW
Operating pressure	:	6 bar (90 psi)