

AUTOMATIC BATTERY DUMPING MACHINE

Technology
[made in Germany]

Complete dumping of car and truck batteries with 180° rotation unit and motorised clamping positioning system.



The Advantage:

- 180° rotation unit
- Selectable dumping, time with PLC controlled rotation
- Clean dumping process, no acid contaminated area
- Separation infeed unit
- Dumping and shaking possible to select (option)
- No change over time
- 100% acid resistance

Basic machine

The purpose of the basic machine is to accommodate the various mechanical assemblies as well as the pneumatic and electrical systems. In addition, an acid vessel is built into the base frame in order to collect the acid dumped of the batteries.

Dumping unit

The dumping unit consists of a battery mounting device arranged in a row. It is fixed by means of a motorised clamping mechanism to secure the fixed position and protect the battery from scratches. The dumping unit can rotate the battery 180° to turn the battery down and empty the contents. Depending on the size of the battery, the dumping unit can accommodate a certain number of batteries.

Infeed unit with battery separation

This unit separate the batteries and forwarded them controlled into the dumping unit.

Battery lateral guide unit

The batteries in the dumping unit are automatically adjusted and do not have to be set manually.

Battery conveyor unit

A PP chain transports the batteries through the machine and, at the same time, ensures them to be transport smoothly in and out of the machine.

Description of function

The automatic machine serves the purpose of dumping acid from batteries after the two-shot formation. The machine is designed so that batteries can enter and exit, while acid from batteries are dumped underneath into a vessel. This increases the output rate and shortens the machine length.

Technical specifications

Battery type	:	automotive car and truck batteries
Capacity	:	up to 12 batteries/min (depending on size and volume)
Weight of batteries	:	20 – 70 kg
Dimension of machine	:	L = 5200 mm W = 1800 mm H = 1900 mm
Construction	:	Full acid proof Material, Stainless steel 316Ti Plastic PP and PVC Pieces not acid resistant with special protection
Electric	:	230/400V, 3-Phase, 50/60Hz, 4 Wire
Control voltage	:	24 DC
Power consumption	:	5,0 kW
Operating pressure	:	6 bar (90 psi)