

# AUTOMATIC POST BRUSHING MACHINE

Technology  
[made in Germany]

Automatic terminal brushing of automotive car and truck batteries with best and high technology



## The Advantage:

- Automatic brushing process
- Unique brushing tool for DIN and JIS type terminals incl. extraction of lead
- Brushing tool design for both - plus and minus terminals
- Adaptable to external exhaust system to avoid lead dust contamination
- Short change-over time
- Adaptable to greasing machine as combination unit

### **Basic machine**

The basic unit has been designed for housing the individual assemblies and contains the pneumatic and electrical machine controls. The base frame houses the working console that is vertically adjustable.

### **Function unit**

The unit accommodates the stroke with a corresponding polishing tool (+) and (-). For brushing, the tool is moved onto the terminals of the battery and by rotation the terminals will be cleaned.

### **Brushing tool**

The brushing tool with the form of the (+) and (-) terminals are rotating by an electrical motor and equipped with 4 single brushes, for side and top polishing of the terminal. The tool is designed to extract lead dust during brushing to avoid lead contamination in the environment.

### **Battery positioning unit**

For brushing, the batteries are exactly positioned under the brushing 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 stainless steel flat top chain in a C-profile stainless steel body transports the batteries through the machine and, at the same time, ensures them to be adjusted smoothly and exactly.

### **Description of function**

The machine is designed to be used for cleaning of battery terminals after the washing machine in the finishing area. The individual batteries supplied through the conveyor of the finishing lines are positioned exactly. The special designed rotating brushing tool is lowered onto the battery terminal. Limitation of the final tool position is realized through tracing on the battery cover. Brushing is accomplished by means of steel brush inserts mounted in the rotating tool with lead dust suction inside the tool.

### **Technical specifications**

Battery type	:	automotive car and truck batteries
Capacity	:	up to 8 batteries/min
Weight of batteries	:	20 – 70 kg
Dimension of machine	:	L = 2500 mm W = 1000 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	:	3,1 kW
Operating pressure	:	6 bar (87 psi) working pressure