

# ECO POST BRUSHING MACHINE

Technology  
[made in Germany]

Automatic post brushing of automotive car and truck batteries with automated process and semiautomated handling, incl. CMWTEC technology



## The Advantage:

- Automatic brushing process
- Adjustment by toggle bolt
- Brushing tool for DIN and JIS type terminals
- Adaptable to external exhaust system to avoid lead dust contamination
- Adaptable to greasing machine as combination unit

### **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 horizontally adjustable. The latter serves to accommodate the testing station, the different heights of the batteries are adjusted via the vertical cylinder movement.

### **Brushing unit**

The brushing unit accommodates the lifting stroke with a corresponding brushing tool. For brushing the tool is moved onto the terminals of the battery and while brushing a smooth contact between terminal and brush is guaranteed.

### **Brushing tool**

The polishing 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

### **Battery positioning unit**

For brushing, the batteries are exactly positioned under the brushing unit. 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 in a PP body 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 brushing the post of DIN and JIS type batteries after the formation in the finishing area. The individual batteries supplied through the conveyor of the brushing machine are positioned exactly. The brushing stroke is lowered onto the battery terminals. By especially designed brushing tool the terminal of the batteries will be cleaned. Therefore, the unit is provided with two brushing units for each terminal, positive and negative.

### **Technical specifications**

Battery type	:	automotive car and truck batteries
Capacity	:	up to 8 batteries/min (depending battery size)
Weight of batteries	:	20 – 70 kg
Dimension of machine	:	L = 2000 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	:	3,5 kW
Operating pressure	:	6 bar (90 psi)