CMWTEC technologie GmbH

AUTOMATIC POST GREASING MACHINE

Technology
[made in Germany]

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

The Advantage:

- Automatic greasing process
- Unique greasing tool for DIN and JIS type terminals
- Greasing tool design for both - plus and minus terminals
- Defined volume of grease adjustable 0,04 – 0,28 cm³/ stroke
- Short change-over time
- Adaptable to brushing machine as combination unit

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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. The Test unit is mounted onto the working console and the various battery heights are adjusted by Means of the vertical spindle movement.

Function unit
The unit accommodates the stroke with a corresponding greasing tool (+) and (-). For greasing, the tool is moved onto the terminals of the battery and by 180 ° rotation the terminals will be lubricated

Greasing tool
The greasing tool with the form of the (+) and (-) terminals are rotating by a pneumatic cylinder and equipped with special rubber, to achieve a given quantity grease to the terminal

Battery positioning unit
For greasing, the batteries are exactly positioned under the greasing 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 deposit a fine layer of grease onto the 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 rotating special greasing tool is lowered onto the battery terminal. Limitation of the final tool position is realized through tracing on the battery cover. Greasing is accomplished by means of fine lubrication connected to the rotation 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