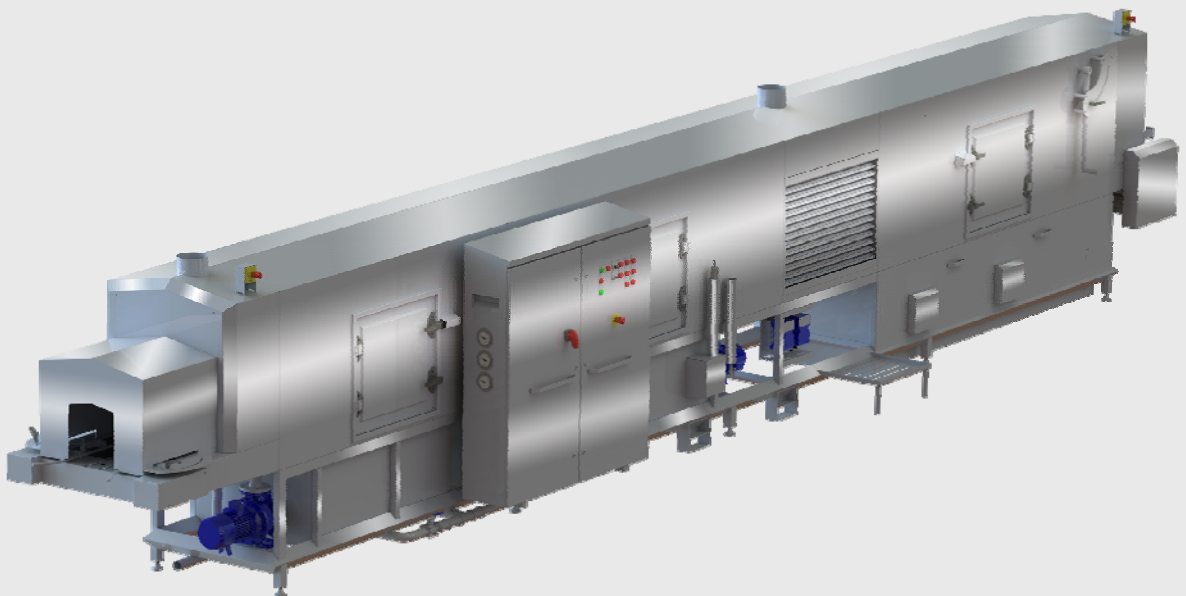


ECO WASHING & DRYING MACHINE

Technology
[made in Germany]

Cleaning and drying of automotive car and truck batteries
with sophisticated technology



The Advantage:

- Full stainless steel construction (316Ti)
- One-piece manufactured and sealed, low energy consumption
- Nozzle arm disassembling without tooling for easy cleaning
- Special open Conveyor grid for washing and drying of battery bottom
- Stainless steel electric tank heating elements and temperature control
- Special spiral heating made of heat resistant inox prevent burn-through
- Wash water cascade flow system
- Double-walled heat and noise insulation
- Central drain pipework

Basic machine

The base unit is a one-piece steel structure and serves as a support for all other assembly groups.

Battery input unit

Input of batteries onto the special conveyor belt of the washing/drying machine.

Pre-wash zone

Distribution of the wash water onto the total surface of the battery Included dead corners and angles. The wash systems consist of individual wash arms with mounted swivelling jet nozzles for easy handling.

Spray wash zone

2nd Distribution of the wash water onto the total surface of the battery Included with 3 heating systems for the water tank. The wash systems consist of individual wash arms with mounted swivelling jet nozzles for easy handling. For best wash result a detergent must be added. Therefore, the machine is equipped with a detergent dosing pump, monitored by a pH-control system.

Final rinse zone

Fresh water heated by a separate boiler at the final rinse sprayed by flat jet nozzles from all sides through the battery. A wetting agent is injected to improve drying properties.

Blowing Drying zone

Batteries are blowing dry by means of blower using hot air coming from the heating register.

Battery output

Output of the batteries to the finishing line.

Description of function

The task is optimal cleaning and drying of automotive batteries of sulphuric acid. The transport through the individual wash zones is affected straight on a continuous special stainless-steel roller chain for a safe transport of the batteries and therefore a long service life. A lateral guide will keep the batteries in line and is one side adjustable for different battery width. The top air blade is also adjustable in height for easy operation and best drying results

Technical specifications

Battery type	:	automotive car and truck batteries
Capacity	:	up to 8 batteries/min depending on conveyor speed
Weight of batteries	:	20 – 70 kg
Dimension of machine	:	L = 9990 mm W = 1380 mm H = 1800 mm
Construction	:	Full acid proof Material, Stainless steel 1.4571 (316Ti) Plastic PP and PVC Pieces not acid resistant with special protection
Electric	:	380V, 3-Phase, 50 Hz
Control voltage	:	230V AC
Power consumption	:	85,0 kW, 160A