

Customer: VW AG, Kassel



General machine data:

Machine type: TAT – 2 / E
 Manufactured size: 2.200 / 2.400 / 5.000
 Machine no.: 1833
 Medium: H₂O + 50% alkaline chemistry
 Medium temperature: 80 – 90 °C
 Treated parts: Varnishing hangers
 Tanks: 2
 Process time: 60 min.
 Cleaning principle: standing goods,
 oscillating nozzle frame

Cleaning:

Spraying pressure: 8.5 bar
 Circulating capacity: 2.300 l/min
 Driving capacity: 2 x 37 kW
 Heating capacity: 160 kW (PWW)

Rinsing:

Spraying pressure: 3.0 bar
 Circulating capacity: 1.600 l/min
 Driving capacity: 11 kW
 Heating capacity: 100 kW (PWW)

Equipment:

- Steam condensor with own refrigeration unit
- Dosage of cleaning agent for the paint removal tank
- Measuring device of pH-value for the rinsing tank, incl. dosing unit
- Automatic in- and output device for the charging trolley
- Tank rinsing with separate fine filter

- Double-switch filter
- Adjustable spraying pressure in OP 17 by speed
- External operator console
- Accessible machine top with cat ladder, railing of stainless steel and floor gratings
- Floor drip pan incl. leakage warning sensor

Using dimensions:

Width: 2.200 mm
 Height: 2.400 mm
 Length (Depth): 3.500 mm

Request of result:

Metallic bright hangers

Process description:

The hangers are put onto the charging trolley of the unit by a fork lift. By an automatic in- and output device and a two-hand operation the charging trolley drives into the machine. Following the paint removal process starts while the rotating nozzle frame oscillates along the hanger. The combination of high pressure, high volume flow, high temperature and a 50 % preparation of paint removal chemistry effect the good result of paint removal. After the paint removal process the rinsing process is made by a separate nozzle system. To minimize the alkalinity at the surfaces the hangers are rinsed with town water in the end.



Pic. 1: Hanger on the table attached to the front of the machine: **before paint removal**



Pic. 2: Hanger on the table attached to the front of the machine: **after paint removal**



Pic. 3: Steam condenser, 3.500 m³/min, with integrated refrigerating machine, 25 kW refrigeration capacity



Pic. 4: Attachment: Double fine filter, enclosed pumps, control cabinet, drive motor for trolley insertion...

Pic. 5: Front view
The unit is completely manufactured of stainless steel, except the yellow fender.

