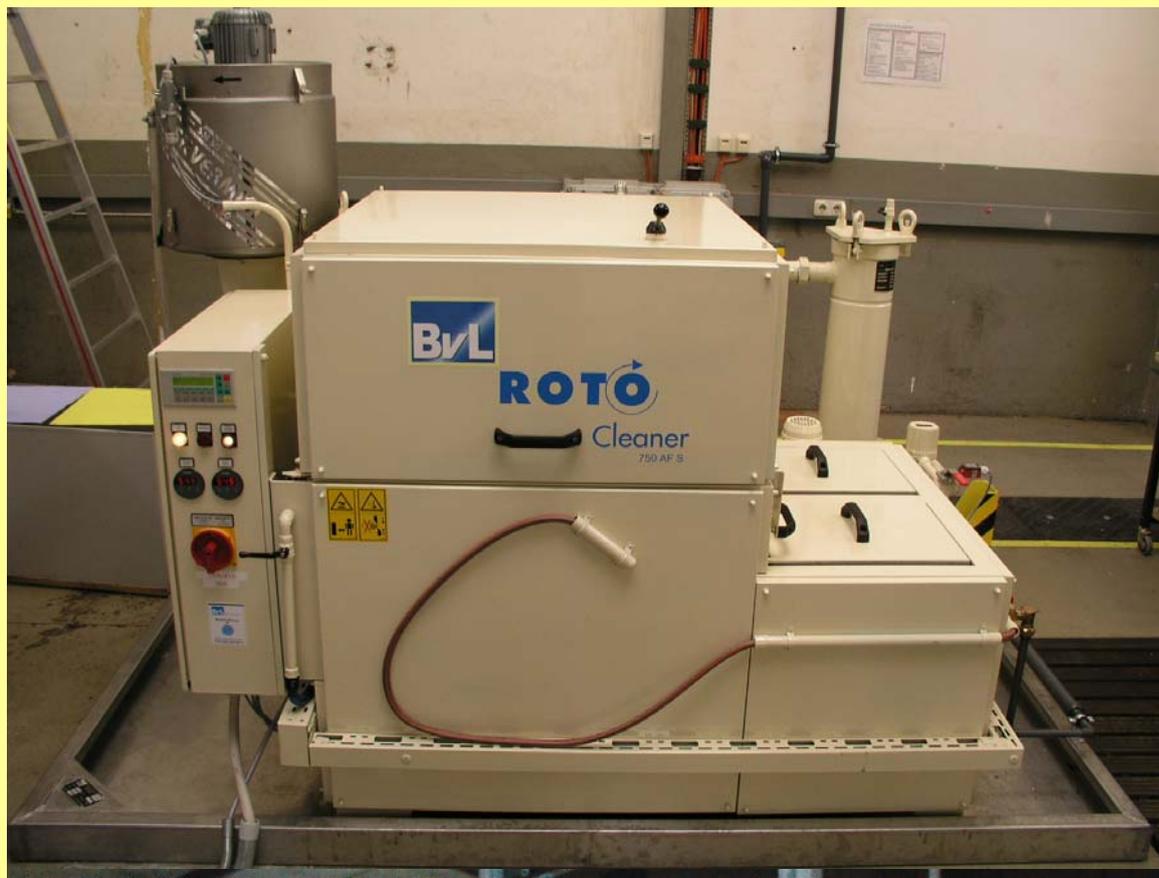


**Customer: Rolls-Royce Germany**



**General machine data:**

Machine type: Rotocleaner AF S  
 Manufactured size: 750  
 Machine no.: 1854  
 Medium: H<sub>2</sub>O (vollentsalzt)  
 Medium temperature: 55 °C  
 Treated parts: Drums (turbine parts)  
 Tanks: 2  
 Process time: approx. 10 min.  
 Cleaning principle: Spraying procedure

**Cleaning:**

Tank volume (cleaning): 220 l  
 Spraying pressure: 5.5 bar  
 Circulating capacity: 170 l/min  
 Driving capacity: 7.5 kW  
 Heating capacity: 9 kW

**Rinsing:**

Tank volume (rinsing): 120 l  
 Spraying pressure: 5.5 bar  
 Circulating capacity: 170 l/min  
 Driving capacity: 7.5 kW  
 Heating capacity: 6 kW

**Using dimensions:**

Diameter: 750 mm  
 Height: 600 mm

**Equipment:**

- Steam condensor
- Drain and cascade pump
- Single fine filter in the pressure lines of the pumps
- Oil skimmer
- Blowing device with compressed air
- Increase of spraying pressure
- Floor drip pan with leakage warning sensor
- Manual suction device for water and chippings

**Request of result:**

Free of grease and chippings for the following balancing of the parts

**Process description:**

The parts to be cleaned are brought into the cleaning machine from above by crane. The process starts with the cleaning step. Here the part is swivelled around the vertical axle and cleaned from all sides inside and outside by the external, u-shaped nozzle frame and the internal lance. After the cleaning process the scooping areas are blown off manually with a suction device. Then the rinsing process follows analog to the cleaning. After processing the inside of the machine is evacuated by a steam condensor, so an exhaust pipe to the is not necessary.



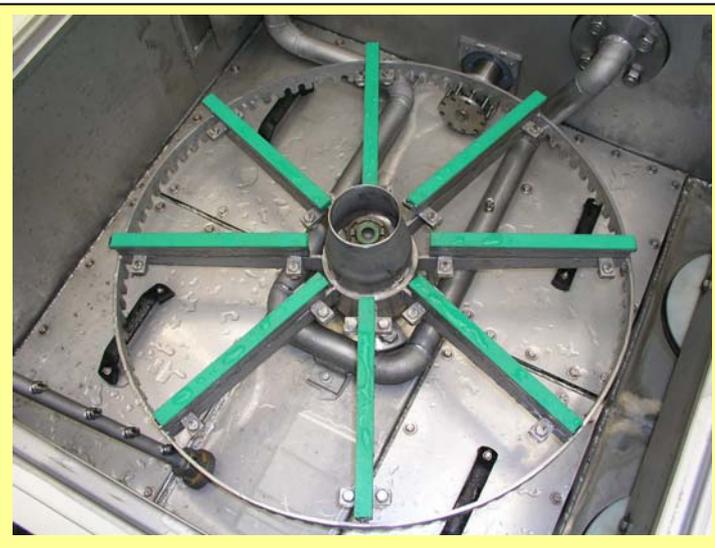
Pic. 1: Drum in the cleaning machine. By a snap closure the lance for internal cleaning can be removed quick and uncomplicated. For avoiding defects on the high-quality part the rotating assembly is equipped with green safety bars.



Pic. 2: removable tank covers. The return flow flaps and coarse filter boxes are arranged thereunder.



Pic. 3: Unit with opened cover and lance for the internal cleaning, blowing device, upper and lateral nozzle frame.



Pic. 4: Taper survey for the centring of the power train components, form-closed rotary assembly drive

Pic. 5: backmost machine area with fine filter, drain and cascade pump, cleaning and rinsing pump, water inlet valve, driving motor for the rotary assembly



Pic. 6: nozzle lances for the internal cleaning