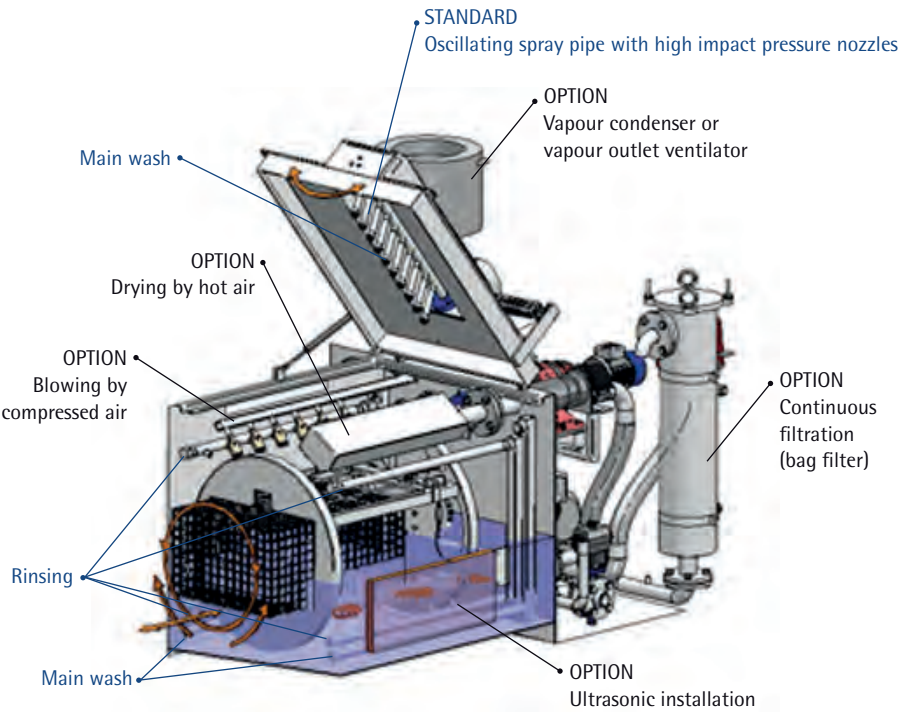


POSSIBLE OPTIONS

- ▶ Automatic transport system with safety fence
- ▶ Drying by hot air
- ▶ Continuous filtration (bag filter)
- ▶ Oil separator
- ▶ Vapour condenser
- ▶ Automatic level security
- ▶ Electric metering pump with delivery regulation
- ▶ Ultrasonic
- ▶ Chain of several floodwashers possible
- ▶ PLC S7/300 Profibus
- ▶ DP/DP coupler for the external Profibus communication
- ▶ Panel 10" color-TFT-display touch screen
- ▶ Special baskets



TECHNICAL DATA OF THE FLOODWASHER

	Type 150	Type 500	Type 1300
Effective dimensions basket	613 x 431 x 255 mm	1000 x 600 x 600 mm	1250 x 698 x 850 mm
External dimensions basket	651 x 471 x 300 mm	1020 x 620 x 600 mm	1250 x 700 x 850 mm
External dimensions machine	2475 x 1886 x 2314 mm*	5400 x 2240 x 2900 mm*	7080 x 5400 x 3300 mm*
Wash pump	15 kW - 7 bar - 500 L/min.	30 kW - 8 bar - 800 L/min.	90 kW - 18 bar - 1650 L/min.
Rinsing pump	5,5 kW - 4,3 bar - 333 L/min.	7,5 kW - 5 bar - 500 L/min.	15 kW - 6 bar - 800 L/min.
Capacity wash tank	970 L.	2200 L.	6050 L.
Capacity rinsing tank	450 L.	800 L.	2260 L.
Heating wash	3 x 9 kW	6 x 9 kW	10 x 9 kW
Heating rinse	2 x 9 kW	3 x 9 kW	4 x 9 kW
Filter buckets wash	3 pcs.	5 pcs.	12 pcs.
Filter buckets rinse	2 pcs.	3 pcs.	8 pcs.
Nozzles wash	high impact pressure nozzles with oscillating spray pipe		
Nozzles rinse	high impact pressure nozzles in the 4 corners		
Max. drum capacity	150 kg	500 kg	1300 kg
Drum drive	SEW gear motor with frequency control		
Control	Siemens S7/1200 - panel 6"		

* Other dimensions are available on request. Barring changes.



Floodwasher



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ROTATING FLOOD SPRAY PRESSURE CLEANING MACHINE (FLOODWASHER)



The Laborex flood spray pressure cleaning machine (floodwasher) is especially designed for the cleaning, degreasing, rinsing and drying of parts with complex geometry, parts with (blind) holes and machined components where a very high cleaning degree is required, etc.

Two fixed spray pipes, an oscillating spray pipe with high impact pressure nozzles, rotation of the basket in combination with a powerful wash pump (with a pressure of 7 bar and a big capacity), makes the Laborex floodwasher so unique!



The first phase of the washing process rotates the basket of parts or, makes a partial rotation movement, clock wise and anti clockwise, less than an angle of 180°. After a fixed time the washing chamber is closed and then flooded up to the permanent overflow. Now the parts are fully immersed, whilst the wash pump still operates. The nozzles, which are now under water, cause a strong flow in the washing chamber, i.e. "floodwashing". The combination of spraying and floodwashing ensures very intensive cleaning.

All inner and outer surfaces of the parts are actively cleaned including deep into the (blind) holes. Watermarks and residue shading are eliminated. Even the smallest channels, corners and edges inside the parts are cleaned thoroughly.

For specific applications is it possible to equip the machine with additional ultrasonic agitation which supports the floodwash-principle.



Integral casing as standard

TYPES

The Laborex rotating flood spray pressure cleaning machine is also available as a multi tank version. This allows more process steps to be carried out, such as pre-washing, washing, rinsing and the option of drying and/or blowing.

FEATURES

Our Floodwasher has an integral casing as standard.

The installation consists of a cabin, made of stainless steel AISI 304, in which a drum on non-driven wheels is mounted. The basket is located for rotation within the drum. The drum is driven at the rear, causing the parts to move continually through the spray and fluid.

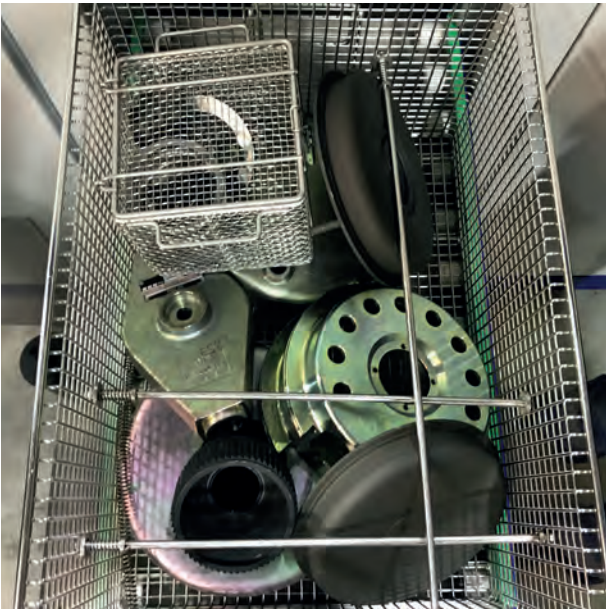
The program not only allows the basket with the parts to rotate 360° but, can also partially rotate clock wise and anti clock wise 180° (instead of turning the basket completely). This is useful when delicate parts have to be cleaned.

Each filter compartment has a big cleaning hatch mounted at the side. This ensures that the tanks can be cleaned easily inside, as there is good vision and access to all components, which are installed.

A cover is mounted on the roof of the machine in which the oscillating spray pipe is installed. When the cover is opened, the washing chamber is completely accessible, which facilitates maintenance of all components.



Parts before cleaning



Parts after cleaning