



FLUXCLEAN

Environmentally friendly cleaning system for solder pallets and flux traps

This system is designed for cleaning of heavily contaminated soldering frames and frames used for the wave-soldering process. The applied technology is based on an alkali process. The system is equipped with three baths: for cleaning, rinsing and drying. This method is optimal for the gentle processing of soldering pallets. The life time of composite material is much longer than those cleaned with ultrasonic.

The cleaning process consists of the following three phases:

1. Cleaning

To remove the contaminants they are first softened and then dissolved. An alkali process causes them to drop off from the surface as a gelatine substance. The contaminants then drift down and build sediment on the bottom of the bath. In the case of an water based process the contaminants drift down as flakes. To accelerate the cleaning process compressed air is blown into the bath.

2. Rinsing

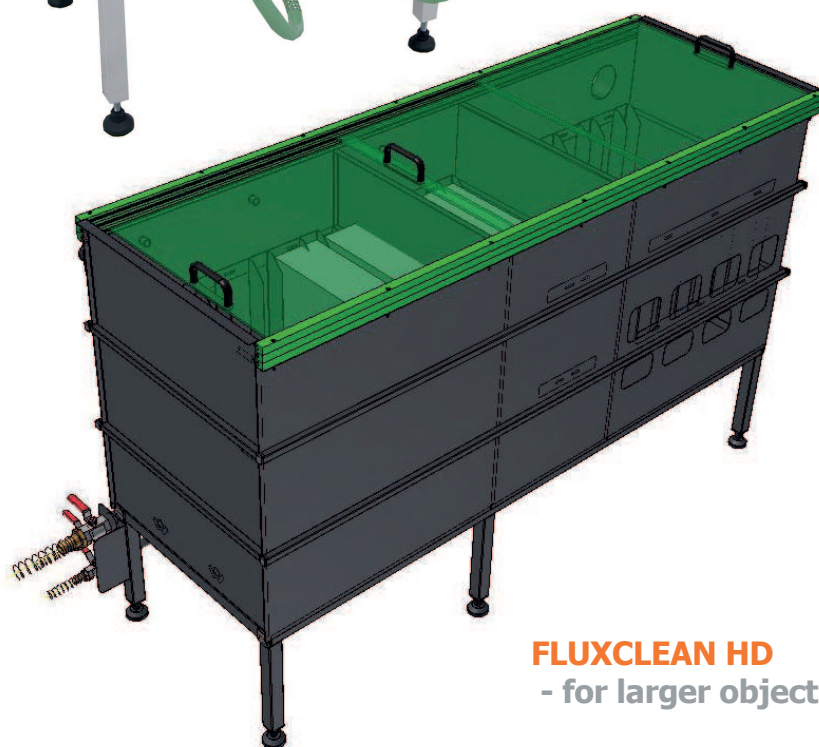
Rinsing by immersion in the second bath is important to achieve optimum cleanliness. For this purpose compressed air is blown into the bottom of the bath. Normal mains water can be used.

3. Drying

The third chamber is designed with stacking space to enable drying with natural airflow.



FLUXCLEAN SD
- standard version



FLUXCLEAN HD
- for larger object

Technical description

- **FLUXCLEAN SD** (standard duty) has three chambers made from welded polypropylene plates and the frame is made from weld steel profiles and is powder-coated.
- **FLUXCLEAN HD** (heavy duty) has three chambers made of stainless steel for larger size of objects to be cleaned.
- Used materials are very compatible and resist chemical compounds very well.
- All three chambers are equipped with solder frame separators and compressed-air piping. The system also has a polypropylene cover.
- The third chamber serves as a dryer. The effluents must be disposed of in accordance to the local authority laws as they normally contain Tin (Sn) and Lead (Pb) deriving from the oxides in the residues of the flux.
- The system has compressed-air controllers and valves for individual draining of each bath.
- Under normal conditions an interval of about one month between changing of the baths can be expected.
- Apart from standard systems for soldering pallets there is a wide choice of different models for individual dimensions of flux condensation filters.

Technical data - Fluxclean SD standard version (others on request)

Effective bath dimension (LxWxD)	cleaning	500 x 277 x 600 mm
	rinsing	500 x 155 x 600 mm
	drying	500 x 277 x 600 mm
Volume of cleaning medium	cleaning bath	110 litres
	rinsing bath	60 litres
Temperature of cleaning bath		ambient temperature
Recommended cycle time	cleaning	30 min.
	rinsing	10 min.
Capacity for one cycle and frames with dimension 550 x 430 x 60 mm		
	cleaning bath	4 frames
	rinsing bath	2 frames
	drying bath	4 frames
Recommended air-pressure; consumption		0,6 - 0,8 MPa; max. 30 l/min
Weight of empty machine		45 kg
Overall dimensions (LxWxH)		780 x 760 x 1350 mm

Fluxclean SD standard version baths



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