

## N29 SA4 Stencil Cleaning Equipment

In order to meet your daily SMT adhesive or Solder paste stencil cleaning requirements, even for frameless stencils, the N29 SA4 machine is an efficient and innovative solution.



Specially designed to enhance VIGON® SC200's MPC® system (Micro Phase Cleaning), the stencil is immersed in the upright position and submitted to the superior cleaning performance of perpendicular ultrasound and is perfectly cleaned in just a few minutes.

The in-line filtration removes continuously the soil loading and keeps the cleaning medium at high quality levels.

The use of an aqueous product (no flash-point, low VOC content) that makes it possible to separate the residues, ensures a 100% closed loop cleaning process to meet today's economic and environmental demands.

### Characteristics:

- ◆ Ultrasonic Cleaning system,
- ◆ Water based process in close loop,
- ◆ Rinsing with filtered VIGON®
- ◆ No water, no air compressed,
- ◆ Magnetic driven pumps to avoid leaking,
- ◆ Automated lift after cleaning cycle,
- ◆ Drying system included.

# "Plug and Clean"

**Technical Data:**

GENERAL	
Dimension (Length x Width x Height)	1100 x 700 x 1015 mm
Empty weight	200 kg
Voltage supply	230V single phase 50/60Hz 16A ± 5% plug

ULTRASONICS	
Ultrasonic area	550 x 450 mm
Power	1 kWA

CLEANING UNIT	
Volume	55 Liters
Pumps	2 magnetic driven
Filters	2 standards 20in 5µm filters
Time cycle	3 minutes solder paste ; 10 minutes glue

DRYING UNIT	
Crossflow fan maximum flow rate	17m <sup>3</sup> /h
Heating element	Stainless steel element with 35°C max temperature
Time cycle	From 10 to 15 minutes

TOOLS	
Frameless Stencil adaptor	Standard sizes available, special sizes on request
Misprinted boards tool	Maximum area 500 x 500 mm
Squeegee and tools	Stainless steel basket 500 x 40 x 80 mm

**Efficient**

- ♦ Effective cleaning of adhesive or solder paste stencils, misprinted boards and squeegee.
- ♦ Contains filtration avoids contamination build up (solder paste, adhesives, fluxes and soils).
- ♦ Drying a stencil while the next is getting clean is possible ensuring high through put rates.
- ♦ Completely automated with PLC.
- ♦ Automated maintenance alarm.
- ♦ Traceability in Option.

**Economical**

- ♦ Low cleaning process costs
- ♦ Evaporation cleaning agent losses minimized by cover design.
- ♦ Product recycled permanently.
- ♦ Low electrical consumption
- ♦ Minimal maintenance requirements (standard filter cartridges)

**It protects the environment**

Contact us for a demonstration

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