

Automatic Cleaning Machine

Hydro-clean LTS

Linear Triangle Spray



Cleaning Applications

- Defluxing of good or moderately soluble solder residues
- Removing contamination from handling and board manufacturing
- Removing FOD
- removing misprints on complex assemblies
- Cleaning before conformal coating
- Cleaning soldering pallets
- Fine degreasing of mechanical parts

Unique Features

- Fully automatic spray-in-air closed loop zero drain system
- High volume batch size
- Double-layer PCB clamp
- left and right movable nozzle system
- Powerful hot air dryer
- Cascade filtration
- Compatible with wide range of chemistry
- 100% filtration of entire spray volume
- Double rinse option
- Illuminated glass door chamber for visual process control
- Wide range of standard and customized PCBA fixtures
- Up to 3 fully separated liquid loops
- Outstanding options of water utilization

Control Features

- Intuitive touchscreen interface with Windows OS
- Simple programming

- Complete datalogging and optional bar code traceability, LAN connectivity
- Automatic adaptive cleaner dosing with concentration sensor (ZESTRON® EYE)
- Adaptive rinse water quality control by cleanliness threshold
- Week program with automatic start
- Personalized password security

Technical parameters:

Machine dimension (L×W×H)	1620x1390x1900mm
Weight (without liquid)	600kg
Machine noisiness	LAeq <70 dB
Power supply voltage	3x 400/230 V, 50Hz
Power input	20 kVA
Volume of tank	3x50L
Working range	600 × 620 × 580mm (H: 2 × 220mm (Double), H: 580mm (Single))
Washing - pressure on the nozzles max/min	2.5-3bar
Washing – max. flow	60L/min
Rinsing - pressure on the nozzles max/min	2.5-3bar
Rinsing - max. flow	50L/min

Adjustable parameters

PCBA+ Misprints washing time	0-99 min.
Washing medium temperature	Room temp.-60 °C
Rinsing temperature	Room temp.-60 °C
Drying temperature	Room temp.-90 °C
Drying time	0-99min
Specific conductance	0-99 µS/cm (2 nd rinse)