

# AGATE GLOBAL PTE.LTD

16,RAFFLES QUAY

# 33 - 03 , HONG LEONG BUILDING

SINGAPORE 048581

Email:aaresources@vsnl.com



## PCB Cleaning System



PCB cleaning system is professionally designed for various and mid & low volume PCB cleaning usages for R&D enterprises, laboratory and institutes. Hanson PCB cleaning system is a highly -automated equipment which is safe and easy to operate. This is an environment-friendly and integrative water-based cleaning system. It can thoroughly clean most kinds of flux contaminations on PCBs.

Water-based with a few amount of saponifiers and warm air drying, Hanson PCB cleaning system use the high purity deion water to clean the PCBs. Suitable activator, detergent or other additive can be mixed into water. The waste cleanser is environment-friendly can be drained out directly.

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## Features:

- All the cleaning, rinsing and drying steps can be done in one cleaning chamber automatically, also each step can be done individually by program.
- Cleaning and rinsing steps are done by centrifugal spray way. The washing circle is programmable from 5-40min.
- All kinds of flux can be cleaned and the cleaning result can reach to the first class of American military MIL28809.
- Its washing basket has wheels in the bottom, very easy to push in and pull out from the machine.
- PCBs can be put in slantways or vertically or hang in the machine. Residues on different PCBs can be cleaned thoroughly.
- All the process are programmable , then can be done automatically. Customers can choose different rinse and dry temperature and times for different PCBs.
- All the processes are controlled by microcomputer. The operation interface is simple. When error happened, the machine can sounded alert and show the reason automatically.
- It contains a high-purity water creator. Raw water can be connected directly, after RO anti-infiltration, UV sterilization and cathode /anode resin bed, high quality pure water can be produced and used for cleaning.
- The waste water can be drained directly. It is environment-friendly and abides the environment regulations.
- After cleaning is done, self-contained printer can print the report, customer also can choose to save the data and print it later.
- It is low cost and affordable. Every cycle just takes 0.045 liter environment-friendly solvent.

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## Specifications:

Model	: Nakum 2200
Inlet water pressure	: $\geq 1\text{kg}$
Pure water conductivity	: $\geq 15\text{M}\Omega$
Pure water tank volume	: 60L
High-purity water output capacity	: 100 L/ hour
Water heat up range	: Room temperature to 65°C
Dry temperature range	: Room temperature to 100°C
Wash time	: 5-40min
Rinse time	: 2-10 min
Dry time	: 5-600min
Max PCB sizes	: 515×495mm
Input water volume	: < 6L
Washing boards capacity ( PCB size )	: 432×508mm = 31pcs 178×254 mm = 62pcs 178×178 mm = 124pcs 127×178 mm = 186pcs 76×152 mm = 248pcs
Electricity requirement	: 220V
AC Power	: Approx 4kw
Noise	: 60 dB
Weight	: 120kg
Chamber size	: 600 H×530 W×480D mm
Dimension	: 1700 H×900 W×790D mm