

MS8000N Rework Station for Economy use

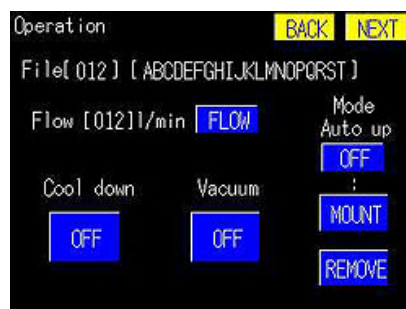


MS8000N is a reasonably cost machine, but heating power is very powerful, it is almost same as MS9000SAN model. Therefore, almost all SMD can be rework such as BGA, CSP, QFP, SOJ etc.

Operation



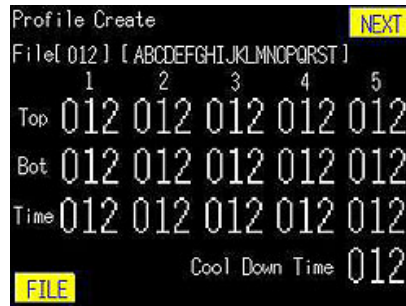
MS8000N BGA Rework System is an ideal repairing station for the BGA on the board. The system has the temperature profile creation of 5+1 zones in which a lead free is also possible. Top heater is by hot air system and the bottom heater is by IR wide. They are our original high efficiency heater system, and the controller is by PID high response system. Therefore, optimal lead free temperature profile is also can create easily, correctly.



Operation is friendly and all of it can be control on the screen. Furthermore, the controller has the function of interlock for safety operation. The message screen will be bringing up, if there is a important trouble, and the screen will tell the message of the failure.

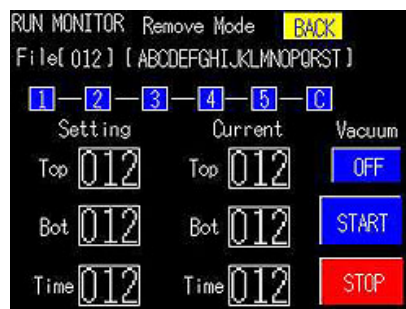


Operation System



The control data is inputted on the touch screen. It can be by ten-key on the screen, The ten-key is bringing up, if touched of the window.

The Temperature Controller



The run monitor screen is shown that the result and process of the temperature controller. Temperature is controlled by five heating zones and one cooling zone. Therefore, the temperature profile for lead free will be able to made correctly.

The Heater System



The heating system is the combination of the IR bottom with large area, and the hot air top with high response. They are our original and, the combination heating system has very high stability, reliability and ability.

The bottom heater is very large size IR system, about 250x300mm.

It will be made minimum warp by heating of the board, and it can be powerful and high response heating to the board. Therefore, the temperature profile for lead free can be made easily.

The bottom heater unit has four support pins for the board, they can be setting in a free position. it is prevented to the board warp by the heating.

| The File Manager



The file manager can be data saving and loading.

The created data can be saved in the machine up to 50 files. They are managed with the number and the text in less than 19 characters. There are five screens with 10 files each.

| The XY Table



The board support Jig

The board must be held firmly certainly. It is very important for reworking. Please hold certainly with the attached the board support jig when the board has some parts at around, and or in the case of complicated form.

| Accessories

1. Board support Jig (L size x 4 / S size x 4)
2. Under board support pins system (2 rails and 4 pins)
3. Power Cable (3 cores) x 1 (approx. 5M)

4. Air Tube x 1 (6mmD approx. 3M)

Optional Parts

Nozzle: It selects according to the size of the package which rework.

Sensor Kit : This is CA sensor for surface temperature of the package and also the board.

Cleaning unit : It is the cleaner for the board which after reworking.

Solder Printing Jig : The printing jig for the BGA.

Test Board Kit :It is for Vision system calibration.

Inspection system : X ray inspection system for after reworking.

Temperature profile checker:Measuring of the temperature profile.

Wide Bottom Heater Unit:For bigger heat load. It is 1.5KVA powers.

Specifications

Item	Specifications
Board size	50x50---280x400mm
Thickness	0.5--3.5mm
Weight	3Kg max.
Top Space	up to 45mm max.
Bottom Space	up to 25mm max.
XY Table Fine Adjust	+&- 5.0mm max.
Moving Range	150x200mm max.
Board Holder	Z Slot or Holder Jig
Board Support	Under side 4 pins by 2 rails
Z Axis	Manual Controlled
Accuracy	Repetition Accuracy: +&-0.025mm
Adjustable Angle	Nozzle Angle Adjuster:+&- 5 degrees
Vision System	----
Magnification	----
Focus	----
Monitor	----
Splitter	----
Heater System	Top by Hot air 260x4=1040VA
Bottom	by IR 1000VA (250x300mm)
Controller	Color Touched Panel System
Temp. Controller	PID
Manual Mode	5+1 zones PID
Data Setting	Top heater: 000---450
	Bottom Heater: 000---600
Time Range	Heating: 000----999 sec.
	Cooling: 000----999 sec. (Manual/Auto)
Temp. Measuring	by optional instrument
Data Save	up to 50 files
Data Analyzer	by optional instrument

Power	220-240V AC 2 phase 2.5KVA
Air	0.5Mpa (N2 possible)
Dimension	500Wx700Dx540Hmm
Weight	40Kg approximate.

The specification are subject to change without notice.