



# YIHUA 993D/993D+ Series Programmable/Non-programmable BGA Rework Station

## Features

1. Using the touch-screen design, easy to use and quick fashion.
  2. Non-programming style:
    - 1) Has ten working channel CH0 ~ CH9 can store various parameters, quickly select parameters according to IC type.
    - 2) Each channel has time to work, air flow, temperature three parameters, set the parameters according to IC type, time is set to 0 can not afford to start the machine.
  3. Programmable:
    - 1) Has ten programmable CH0 ~ CH9 working channels, each set up six working section.
    - 2) Can be viewed, set the time for each work period, the amount of wind, temperature, desoldering process temperature and time meet the performance requirements of the wafer.
  4. Table settings menu with password protection function.
  5. YIHUA993D is non-programmable; YIHUA993D+ is programmable; YIHUA993D+ upgrade version is non-programmable type and programmable type work together;
- Our Engineering combined with Foxconn factory usage has calculated perfect program control scheme which can cover market 90% IC Disassembly.
- Each SEG disassembled IC show standard desoldering temperature curve: SEG1 220°C SEG2 260°C SEG3 295°C SEG4 320°C

Now write into machine factory setting

Steady work channel settings: Usage Scope and desoldering time

- CH0 configuration 13\*13 Nozzle Removable within 13 \* 13MM IC program runtime 140S
  - CH1 configuration 19\*19 Nozzle Removable within 19 \* 19MM IC program runtime 165S
  - CH2 configuration 30\*30 Nozzle Removable within 30 \* 30MM IC program runtime 195S
  - CH3 configuration 35\*35 Nozzle Removable within 35 \* 35MM IC program runtime 210S
  - CH4 configuration 40\*40 Nozzle Removable within 40 \* 40MM IC program runtime 220S
- Fast-type working channel settings: Usage Scope and desoldering time
- CH5 configuration 13\*13 Nozzle Removable within 13 \* 13MM IC program runtime 60S
  - CH6 configuration 19\*19 Nozzle Removable within 19 \* 19MM IC program runtime 85S
  - CH7 configuration 30\*30 Nozzle Removable within 30 \* 30MM IC program runtime 95S
  - CH8 configuration 35\*35 Nozzle Removable within 35 \* 35MM IC program runtime 100S
  - CH9 configuration 40\*40 Nozzle Removable within 40 \* 40MM IC program runtime 110S

## Specification

Power	1300W
Voltage range	220v-240v, 50-60Hz
TEMP. range	100°C~500°C
Working time range	000-999 secs. ("---"shows not controlled by working time)
Air volume ratio range	6-200
Max. air	200L/min
Size (L X H X W)	230 X 205X170mm
Weight (including the handle)	About 4.5KG
Working condition	0-40°C/32-104°F

Storage condition	-20-80°C/-4~176°F
Storage humidity	35%~45%

**Functional comparison table**

Model	993D	993D+	993D+ upgrade version
Display	LCD Display	LCD Display	LCD Display
Fahrenheit/Celsius	YES	YES	YES
Control mode	Digit PID	Digit PID	Digit PID
Screen saving function	YES	YES	YES
No air protect	YES	YES	YES
Programming mode	NO programming	programming	Programming/NO programming