

Fully-Auto Nozzle Cleaning Machine

UPKTECH NCR-P1 —For PANASONIC NPM Series specially

I. Description:

For PANASONIC NPM series placement machine specially.

3 direct steps :nozzle station>>cleaning>>nozzle station, .No need for too much manual participation.

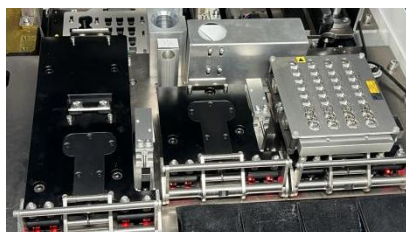
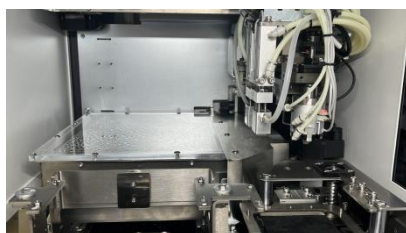
3 functions: cleaning, testing and management.

Can store up to **846** nozzles.

Can clean **49** nozzles at one time (16 working head)



II. Internal Details:



III. Function:

Cleaning

Detecting

Management



IV. Specifications:

Item	NCR-P1	
Nozzle	Panasonic NPM series nozzles	
Dimension	500(L)*1000(W)*1420(H)mm	
Weight	350KG	
Corresponding nozzle station	8, 12, 16-nozzle head Install the nozzle station to the machine as it is.	
Corresponding nozzle	8, 12, 16-nozzle head	
Corresponding nozzle diameter	276s-240cs standard nozzles, (Large diameter nozzles are only for cleaning 2D inspection)	
Cleaning tray Storage tray	8-nozzle head series	Cleaning: 18 pcs/tray; Storage tray 12 pcs/tray
	12, 16-nozzle head series	Cleaning: 49 pcs/tray; Storage tray 47 pcs/tray
	8, 12, 16-nozzle head series	Max cleaning: 49 pcs; Max storage box 846 pcs
Max no. of nozzle station	3pcs	
Structure	Composed of X, Y, Z, Q axes and nozzle inspection	
Identification method	Positioning camera	
Cleaning method	Cleaning with high pressure spray	
Circulation container capacity	Industrial distilled water 6 L	
Front-end image processing inspection	OFC light source modification camera	
Sliding resistance test	Force Sensor	
Inspection qualification method	2D code reading: Use positioning camera to judge whether the image can be processed	
	Nozzle blockage: Use two flow meters with large and small diameters to measure the negative pressure flow rate	
	Dirt/nicks at the front end: Image processing at the front end of the nozzle	
	Movement resistance: Load measurement using a force sensor	
Air supply	0.35 - 0.5MPa,46L/min	
Power	220V, single phase, 2.2KW	

Cycle time	Check nozzle & 2D inspection: 59s
	Transfer Nozzles: 107s/49 pcs
	Cleaning: 96s/49 pcs
	Inspection & Return: 654s/49 pcs