

Fully-Auto Nozzle Cleaning Machine

UPKTECH NCR-F1 —For FUJI NXT, AIMEX Series specially

I. Description:

For FUJI NXT, AIMEX series placement machine specially.

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

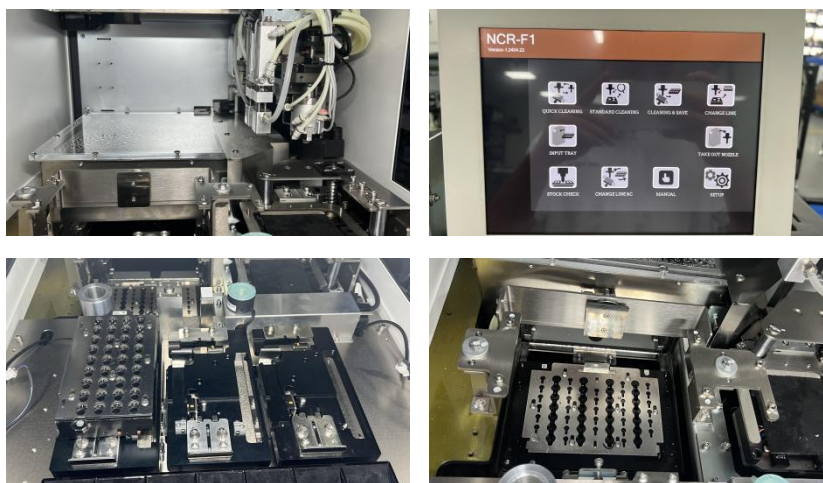
3 functions: cleaning, testing and management.

Can store up to **1349** nozzles.

Can clean **63** nozzles at one time (H24S working head)



II. Internal Details:



III. Functions:

Cleaning

Detecting

Management



IV. Specifications:

Item	NCR-F1	
Nozzle	NXT、 AIMEX series nozzles	
Dimension	500(L)*1000(W)*1420(H)mm	
Weight	350KG	
Corresponding nozzle station	H08/12 series, H24 series Install the nozzle station to the machine as it is.	
Corresponding nozzle	H08/12, H24 series	
Corresponding nozzle diameter	Standard nozzles from $\phi 0.2$ to $\phi 3.7$, (Large diameter nozzles are only for cleaning 2D inspection)	
Cleaning tray Storage tray	H08/12 series	Cleaning: 45 pcs/tray; Storage tray 54 pcs/tray
	H24	Cleaning: 63 pcs/tray; Storage tray 71 pcs/tray
Max no. of nozzle station	3pcs(H08/12 series, H24 nozzle stations can be mixed loaded)	
Nozzle storage box	H08/12 series, H24 can store up to 18 nozzle holders	
Structure	Composed of X, Y, Z, Q axes and nozzle inspection	
Identification method	NXT 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	0.5MPa,46L/min	
Power	220V, single phase, 2.2KW	

Cycle time	Check nozzle & 2D inspection: 76s
	Transfer Nozzles: 137s/63 pcs
	Cleaning: 124s/63 pcs
	Inspection & Return: 1098s/63 pcs