

UPKTECH FR-610 Water-based screen cleaning machine

I. Description:

This water-based screen cleaning machine is mainly used for the cleaning of electronic industry SMT screen with water-based cleaning liquid. Use the most advanced cleaning technology in the industry to achieve 100% cleanliness and environmental protection. The machine is composed of cleaning system, rinsing system, drying system and filtering system. The machine uses power and compressed air as energy sources to manually put the screen into the cleaning room. After setting the cleaning, rinsing, drying and other relevant parameters in the touch screen, press the start button, the screen will be automatically cleaned, rinsed and dried. When the set cleaning process is completed, it will automatically stop and reset, so as to realize the next workflow. This machine is very convenient for operators to clean the screen board, and the chief mate can improve the production efficiency and quality. It is a new type of high-performance automatic cleaning equipment. The equipment is rinsed with water-based liquid detergent and DI water. The mechanism adopts high-precision linear guide rail, sliding block and ball screw rod, and is driven by a stepping motor to move left and right, ensuring accurate reset every time and long service life. The operating spray bar moves to and fro from left to right for spraying, and local areas can be selected for targeted spraying.



II. Features:

High pressure spray system specially used for water-based cleaning fluid to clean screen board, misprint board, PCB/PCBA and other processes.

Double liquid tanks are equipped with heating system to meet the requirements of cleaning, rinsing and hot air drying.

Process flow: cleaning - chemical isolation - rinsing (open-loop/closed-loop) - drying.

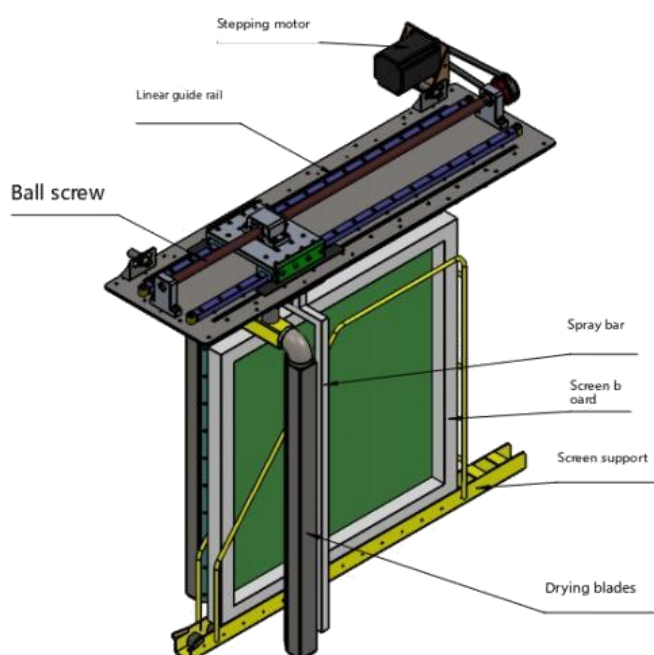
Equipped with advanced full-automatic touch screen operation software, program files are saved, used and simplified.

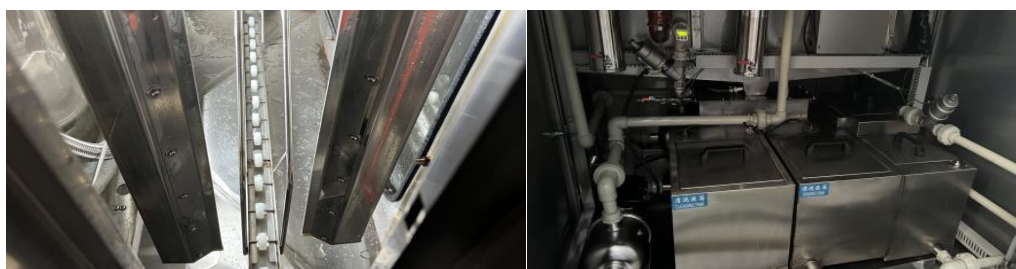
The system counting function can automatically accumulate the number of cleaning screen boards and the number of cycle filtering.

The liquid and pump pressure can be displayed through the panel pressure gauge, and the equipment operation status can be fed back in time.

The spray pressure is monitored by a pressure sensor. If the pressure range is set, an alarm will be given.

III. Internal structure:





IV. Specifications:

Machine dimensions (mm)	L1600*W1200*H1850mm
Applicable screen size (mm)	L750 * W750 * H40 (max)
Power supply	AC380V 50HZ
Total power	30KW
Range of electric resistance tester	0~18MΩ
Air source	0.45~0.7Mpa
Exhaust port	Ø125(W)*30MM(H)
Cleaning tank volume	50L*2PCS (max)
Optimal liquid consumption	40L*2PCS
Detergent isolation time	40S
Cleaning time	3~5Min
Rinsing time	2~3Min
drying time	3~6Min
Cleaning and rinsing methods	Left and right movable high-pressure liquid spray cleaning
Drying method	High pressure hot air switch can be selected from super model
Rinsing times	1-99 times (settable)
Cleaning liquid filtration	oneμM (filter microparticles: red glue and pollutants)
Rinsing liquid filtration	oneμM (filter microparticles: red glue and pollutants)
Liquid heating temperature	Room temperature~60 °C
DI Water Supply	30~60L/min
DI water pressure	≤0.4Mpa
DI water inlet and outlet connecting pipe	1 inch
noise	Less than 50 dB