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# MT-2200 SMT FIXTURE CLEANING MACHINE CATALOG

To serve global electronics based on innovation

To build the China first brand of KDW SMT accessories



A large, industrial-grade, light grey metal cabinet with a control panel on the right side. The machine has a top-loading door and a control panel with several buttons and a small display. The model number 'MT-2200' is printed on the top left of the cabinet. The background is a blue and white geometric pattern.

# MT-2200

## SMT

# FIXTURE CLEANING MACHINE



*"Best alternative solutions for  
all of your SMT needs".*

MT-2200 Fixture Cleaning Machine is used to clean grease, flux, dusts on the surface of all kinds of SMT fixtures, tray, reflow oven cooler and filter, wave-soldering oven claw, chains, and nets...etc.

## Cleaning Objects



**Fixture cleaning** Reflow oven/Wave oven fixture, plate **Composite stone, Steel, Aluminum materials**



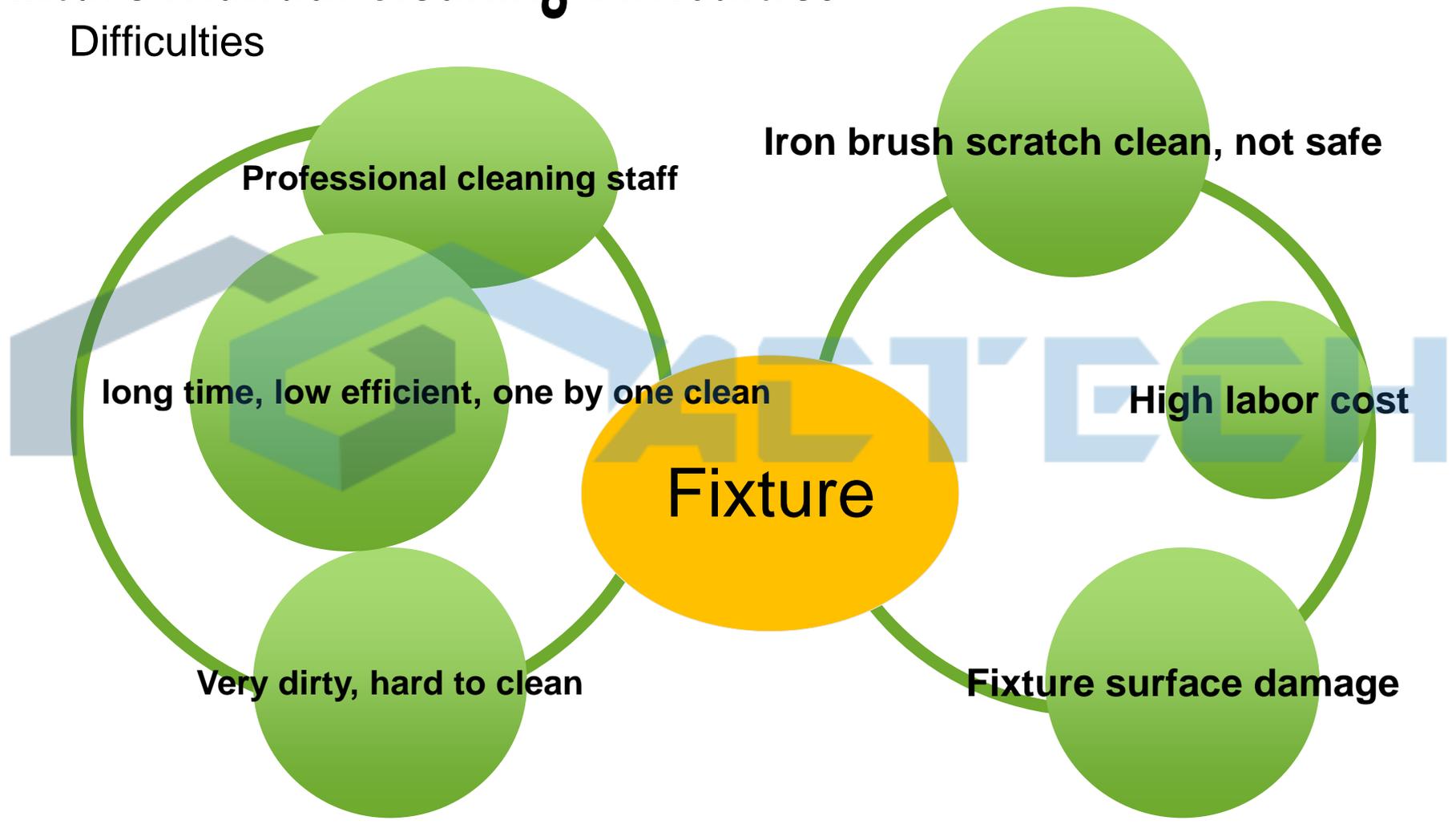
**Reflow oven/Wave oven maintenance** Cooler, filter, chains... **Any machine parts with flux on them**



**Parts cleaning** Grease, oil on plastic, hardware, electrical-parts **Any parts which can be cleaned**

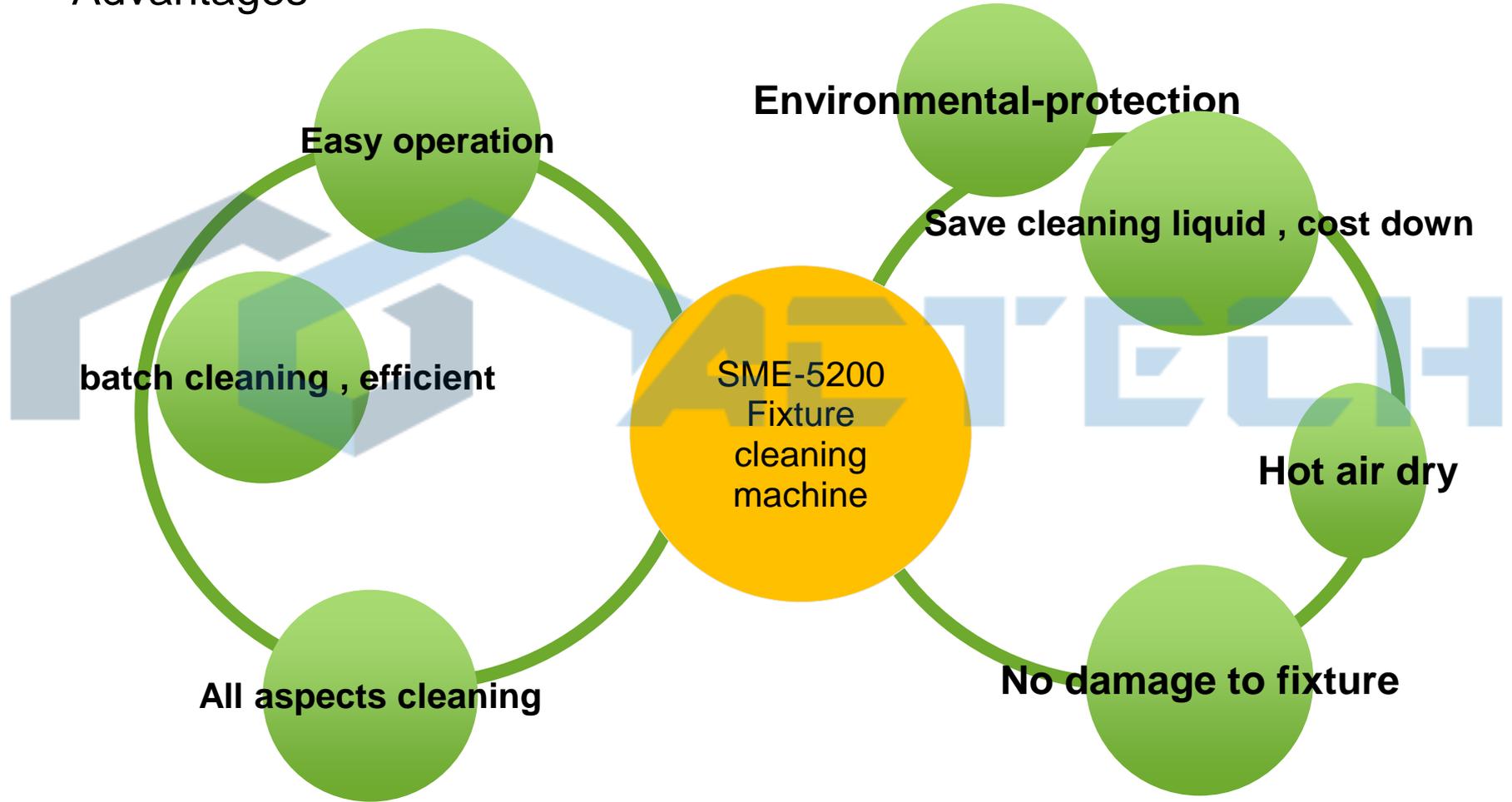
## Fixture Manual Cleaning Difficulties

Difficulties



## Machine Auto Cleaning Advantages

Advantages



## Machine Actual Image



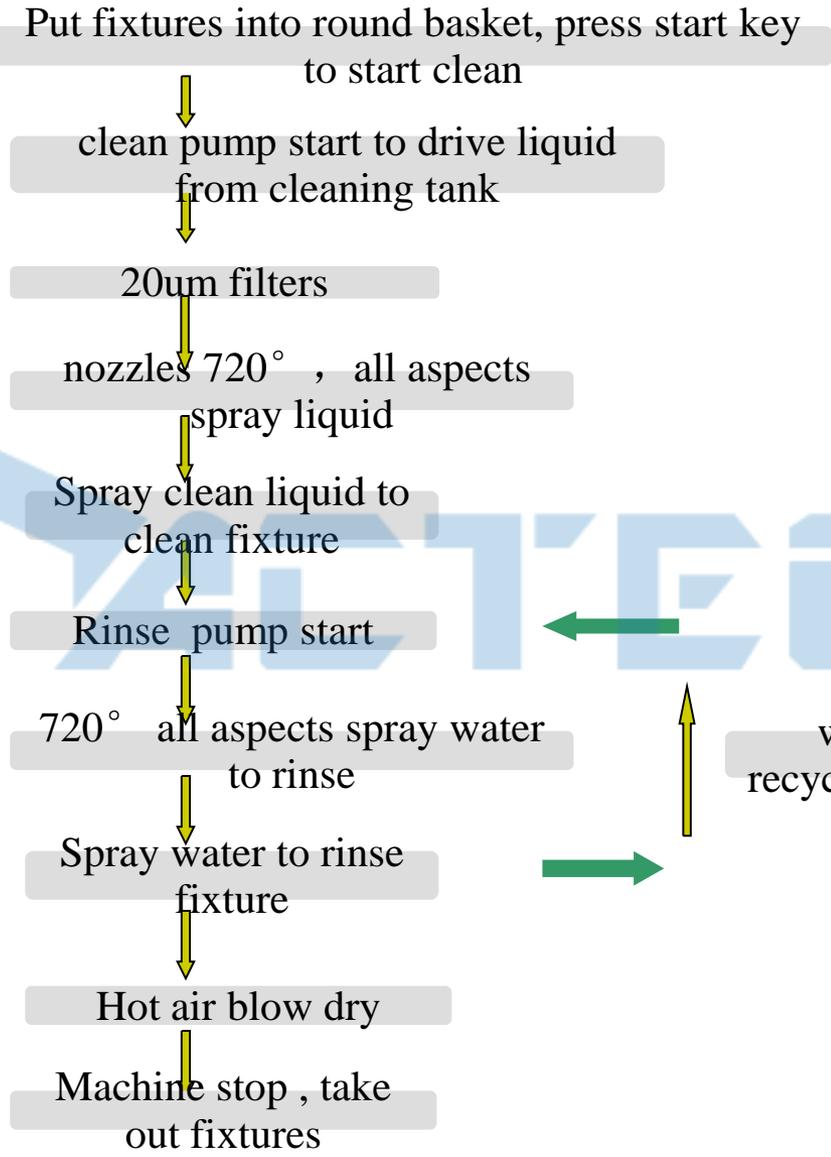
## Introduction



MT-2200 Fixture Cleaning Machine is use to clean grease, flux, dusts on the surface of all kinds of SMT fixtures, tray, reflow oven cooler and filter, wave-soldering oven claw, chains, and nets...etc.

MT-2200 is made up of wash unit, rinse unit, dry unit, rotation cleaning basket unit and control unit. Place dirty SMT fixtures on to the cleaning basket, adjust setting the cleaning parameters, the machine will automatically complete wash, rinse and dry process by just pushing start key. The fixtures after cleaning is very clean and dry, ready to use at any time.

## Process Flow Chart



Liquid recycle used

water recycle used

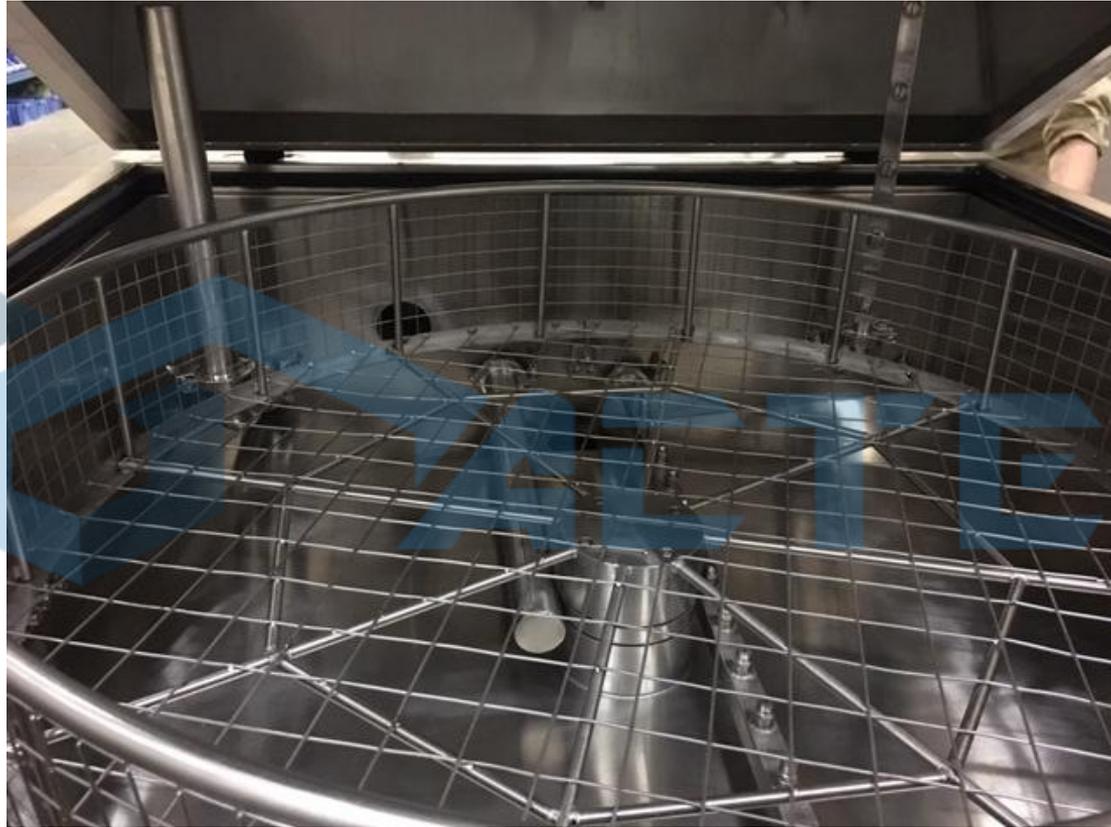
## Features

- Total SUS 304 structure, resist Acid and Alkali corrosion, firm and attractive.
- 1 meter diameter big cleaning round basket, can clean 20~40 . fixtures at one time.
- Clean liquid spray from 3 spray rods on upper/lower and front side, cleaning basket rotates during cleaning.
- Clean liquid pressure up to 6kg/cm<sup>2</sup>, make it thoroughly clean whole fixture.
- PLC program control, Touch-panel operation, cleaning parameters can be set and change conveniently.
- Easy One-button operation, high pressure clean+ rinse+ hot air dry, all process complete in a cycle automatically.
- Clean liquid and water heat and temperature keeping function.
- Closed-loop clean and rinse, clean detergent and rinse water are cycling filtered and reused in the machine.
- Standard equipped solution and water auto fill in and discharge function.
- The fixtures are clean and dry after cleaning, standby and ready for use at any time.

## Specifications

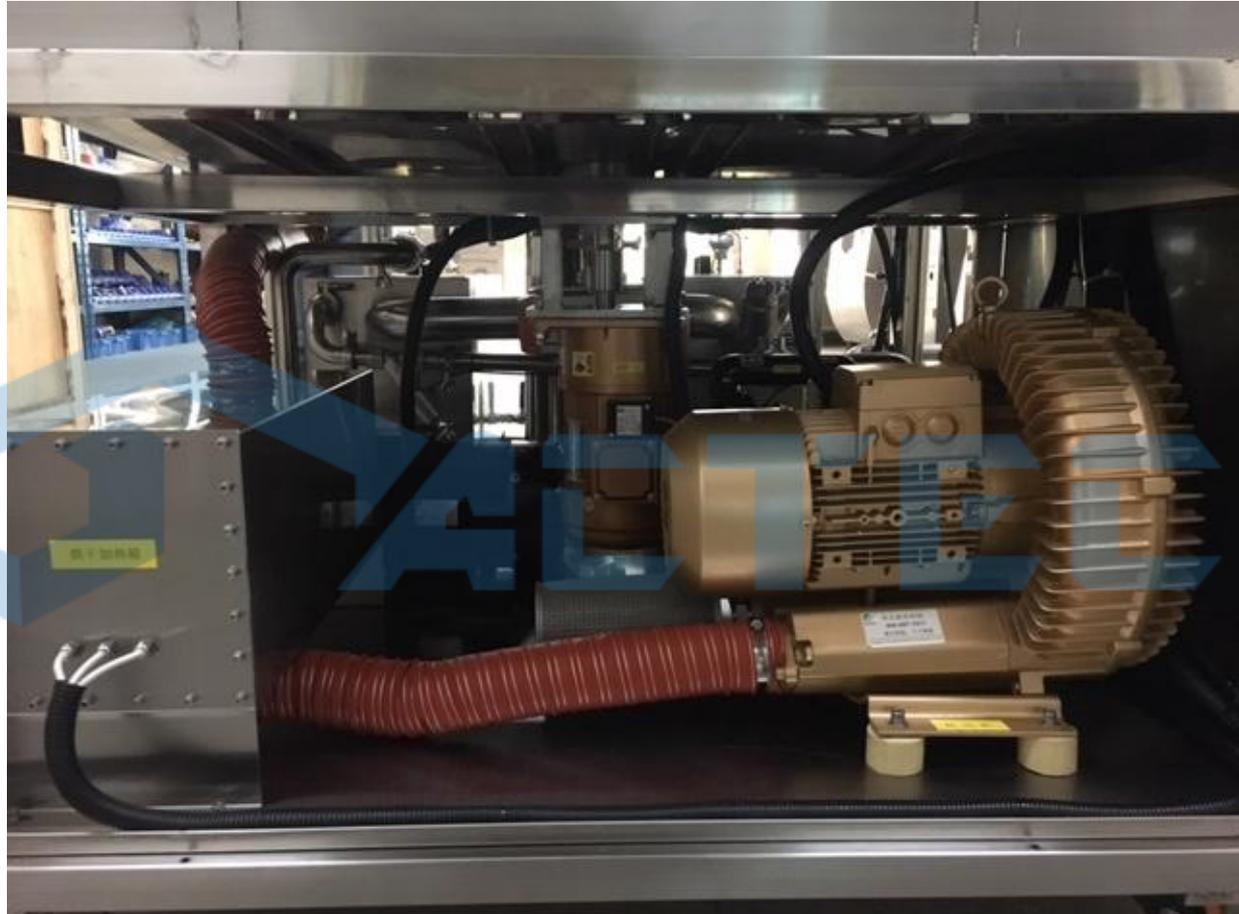
Item	MT-2200 Spec
Cleaning basket size	Φ1000mm x H 200mm. Special size option
Spray unit	Upper/lower/front side, 720° all-around spray
3-level filter system	1mm /50um/20um filters
Clean tank capacity	80L
Rinse tank capacity	80L
Clean spray pressure	5~6 kg/cm <sup>2</sup>
Clean time	5~15 Min
Rinse time	1~3 Min
Dry time	10~20Min
Clean detergent heat temp	Room temp~80°C
Rinse water heat temp	Room temp~80°C
Hot air heat temp	Room temp~90°C
Clean pump power	2.2KW
Clean detergent power	9KW
Hot air heat power	9KW
Air blower power	4.0KW
Air supply	0.5~0.7Mpa
Power supply	3 P, AC 380V, 50/60HZ, 33KW
Machine size	L1380 x W2100 x H 1400 (mm)
Machine weight	500KG

## 1.CLEANING BASKET



- A. 1m diameter round cleaning basket, batch clean fixture, basket turns during clean, rinse and dry process。
- B. clean-rinse- dry , the total process time is 30~40min

## 2. PUMPS AND AIR BLOWER



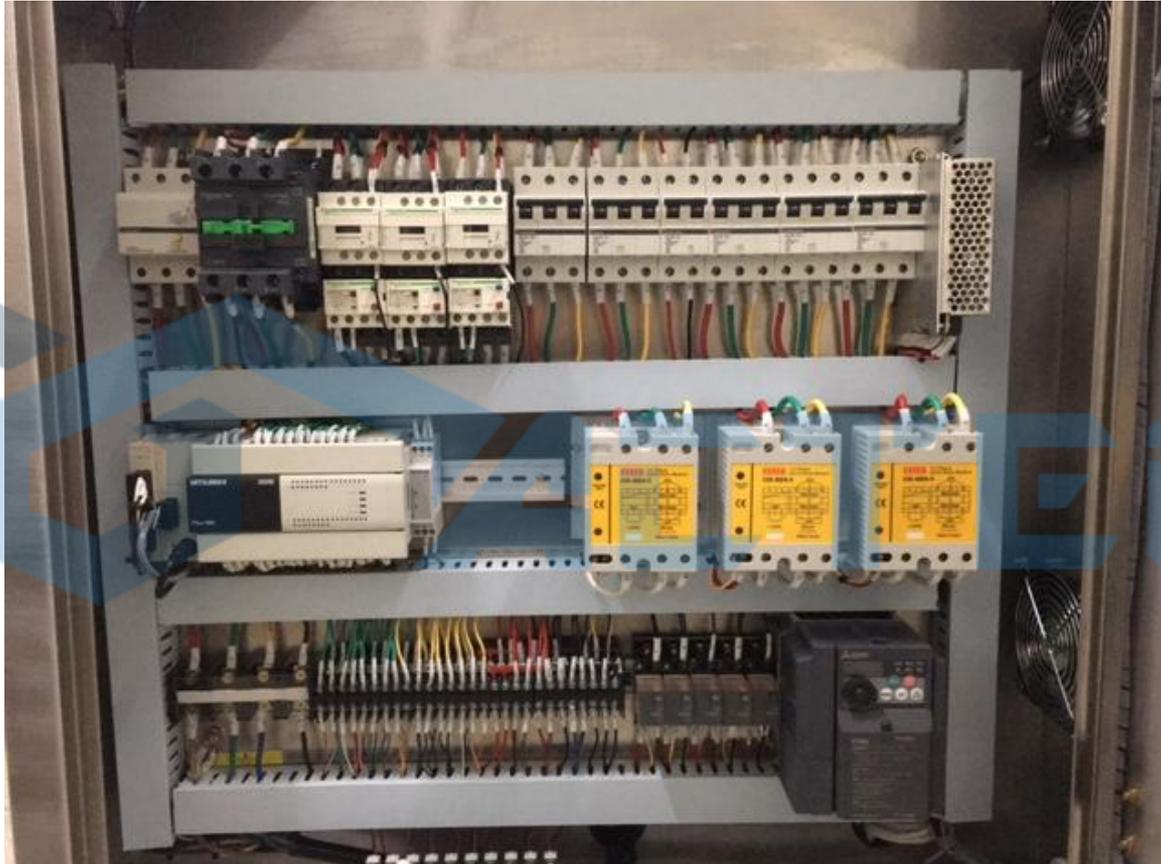
- A. High quality, big flow cleaning pumps。
- B. High flow rate blower, reduce hot air dry time 。

## 3. LIQUID TANK/WATER TANK/SUS304 PIPES/AUTO LIQUID/WATER FILL IN AND DRAIN OUT FUNCTION



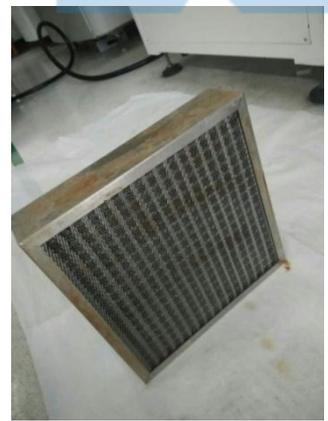
- A. Total SUS304 machine。
- B. Auto liquid/water fill in and drain out function.
- C. Liquid tank and water tank and separated pipe system

## 4.CONTROL SYSTEM



- A. Famous electric devices: Mitsubishi PLC, Touch Panel, Inventor, Schneider Contactor, Relay, CKD solenoid valve, OMRON power unit.
- B. Isolated and protected power supply and distribution system

## MT-2200 REFLOW OVEN COOLER CLEANING COMPARISON:



## MT-2200 WAVE OVEN FIXTURE CLEANING COMPARISON:

