

Machine introduction

SMT Cleaning Machine



Pallet cleaning machine



stencil cleaning machine



Squeegee Cleaning Machine



Nozzle cleaning machine



PCB magazine cleaning system



PCB cleaner

Machine introduction

PCBA flux cleaning machine



PCBA batch type
cleaning machine



PCBA water cleaning
machine



PCBA inline cleaning
machine



PCBA inline
cleaning machine



DI water
machine



Ion contamination
tester

Recommond machine

PCBA Batch Type Cleaning Machine

Model: AC510



AC510 PCBA Offline Cleaning Machine is an integrated high-end cleaning machine that is energy-saving, eco-friendly, and designed for batch cleaning. It can automatically complete the cleaning, rinsing, and drying functions. This machine is mainly used for cleaning multi-variety and small and medium batch PCBA boards of high-end products in industries such as military, aerospace, communications, intelligent instruments, and automotive electronics. It can effectively clean the organic and inorganic pollutants such as the rosin flux, water-soluble flux, and no-clean flux/solder paste residue on the surface of SMT/THT PCBA after soldering.

Machine Structure

1. Main Modular

The device has an integrated structure and can automatically complete the cleaning, rinsing, and drying processes in one chamber.

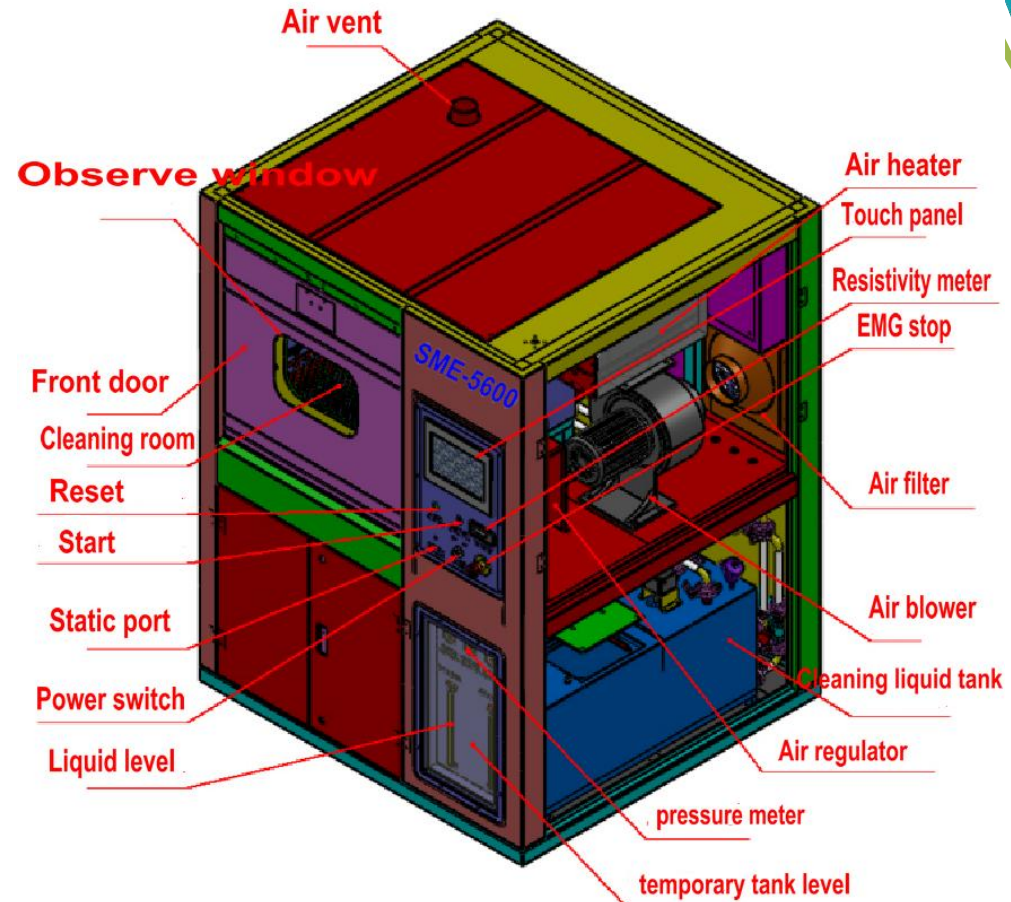
1. Cleaning: chemical liquid cleaning, cleaning time, and temperature can be set.

2. Rinsing: multiple rinses with DI water, rinsing time and number of rinses can be set.

3. Drying: hot air drying, drying time and stability can be set.

2. main flow chart

put in PCBA → liquid wash → liquid take back → DI water rinse 1 → DI water rinse 2 → DI water rinse N → Hot air blow dry → take out PCBA



Machine modular in details



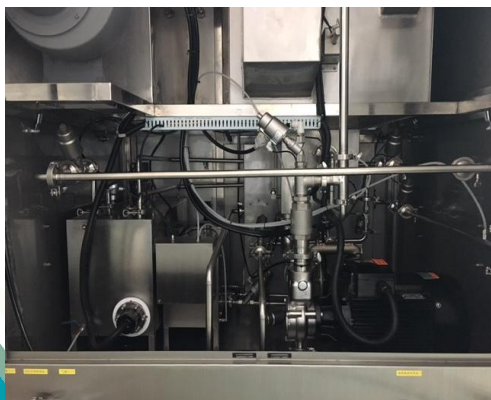
big wash cabinet



wash basket



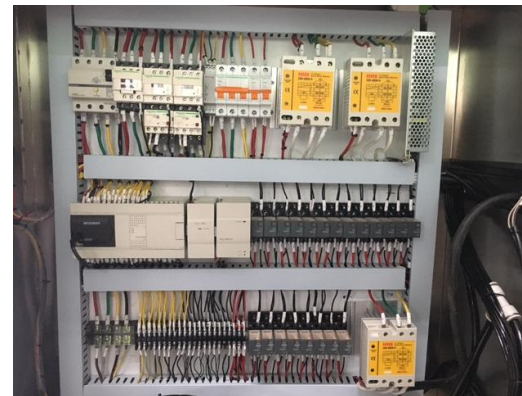
2 layers seal and observe window



Inner pipes



wash&rinse filters



Electric control box

Machine Spec

S/N	Item	Spec
1	wash basket	L610*W560*H100(mm), 2 layers
2	liquid tank capacity	60L
3	concerntrate liquid tank capacity	30L
4	temporary tank capacity	18L
5	clean time	10~20min(0~99min adjustable)
6	rinse time	1~3min/times (0~10min adjustanble)
7	hot air dry time	15~30min (0~60min adjustable)
8	rinse times	3~5times (1~9 times adjustable)
9	cleaning liquid temp	room temp~75°C
10	rinse DI water temp	room temp~75°C
11	hot air dry temp	room temp~99°C
12	liquid tank heater power	9KW

Machine Spec

S/N	Item	Spec
13	temporary tank heater power	6KW
14	Hot air heater power	7.5KW
15	Resistivity range	0~18MΩ
16	electric pump	4.0KW
17	air pump	ARO 1 Inch
18	liquid Spray pressure	0~5kgf/cm ²
19	liquid filter	1um
20	DI water filter	1um
21	Air vent size	φ100XH30(mm)
22	Power/air supply	AC380V,50/60HZ,65A /0.5~0.7Mpa,200~400L/Min
23	Machine size	L1300xW1200xH1850 (mm)
24	Machine weight	600KG

After cleaning test

After cleaning check method

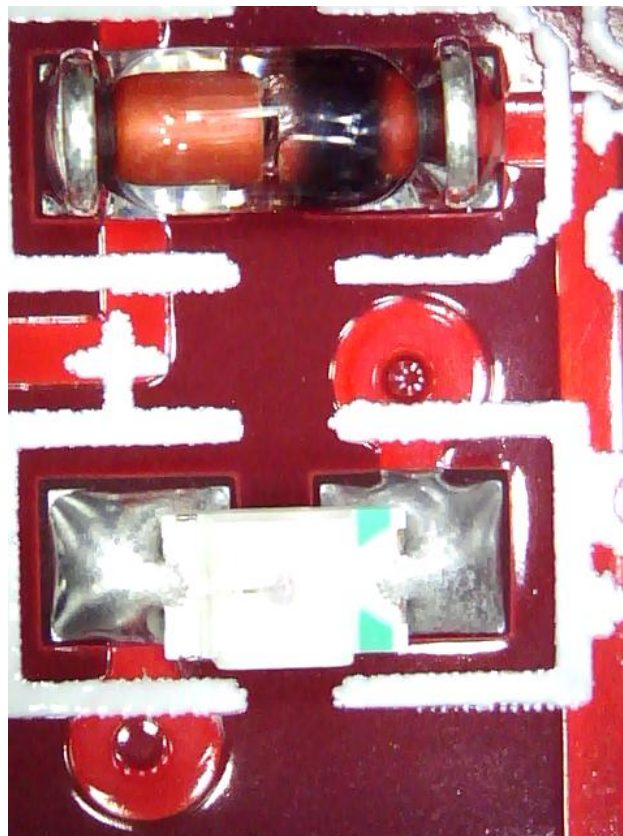
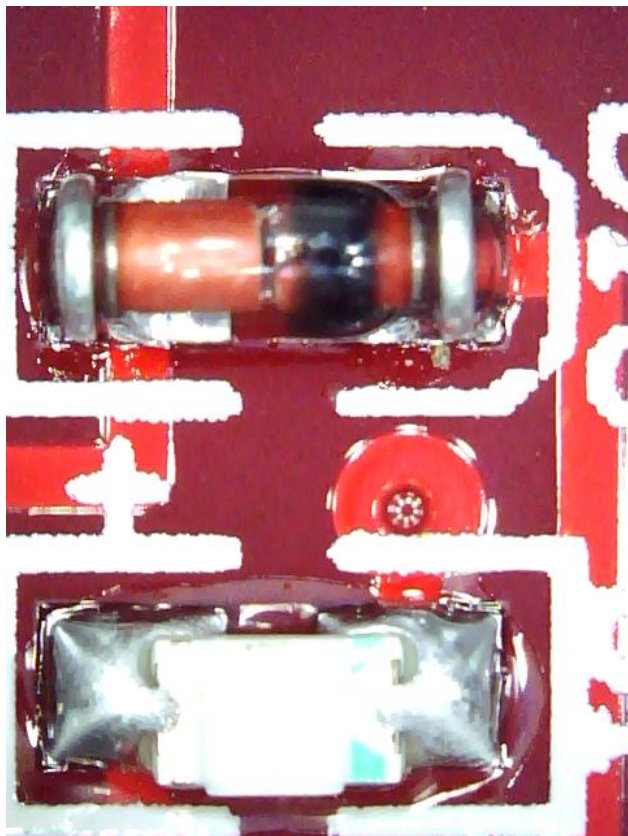


method 1:
Microscope

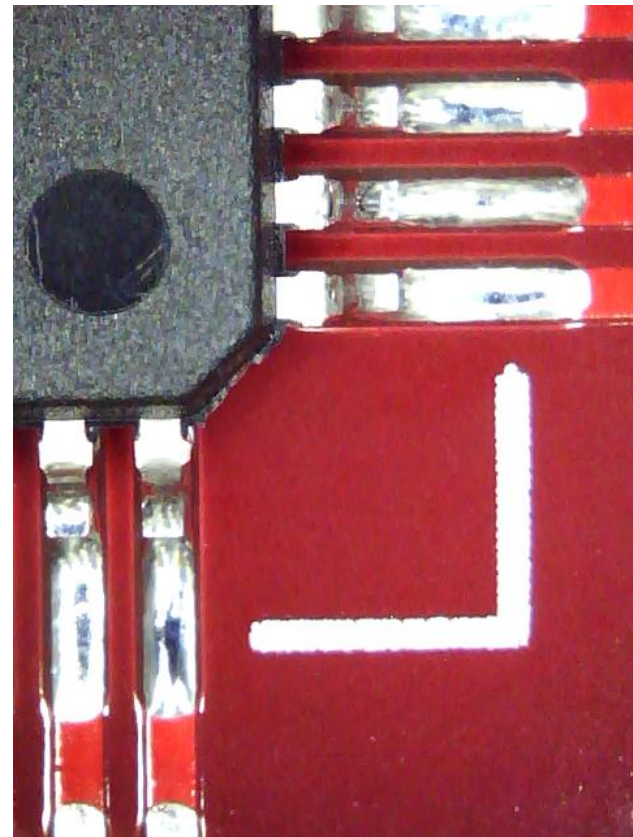
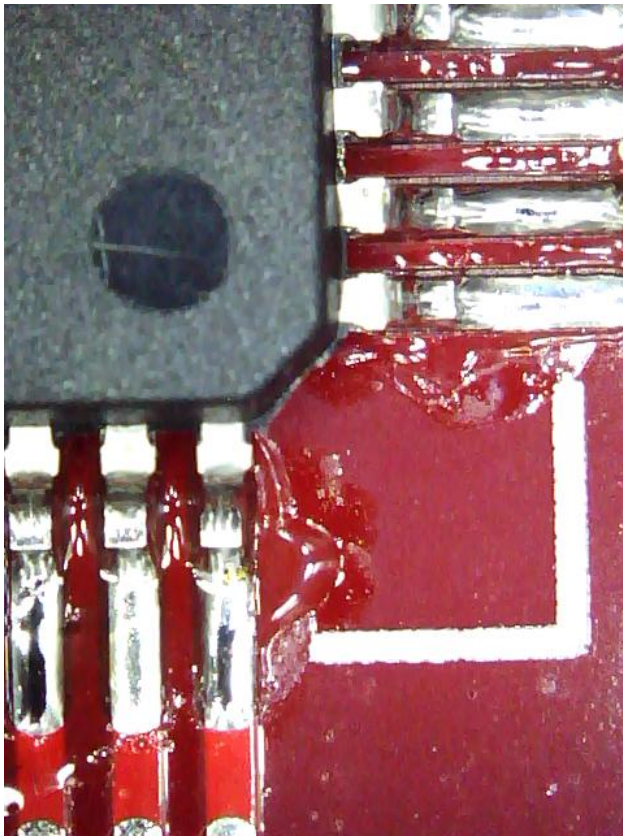


method 2:
Ion contamination tester

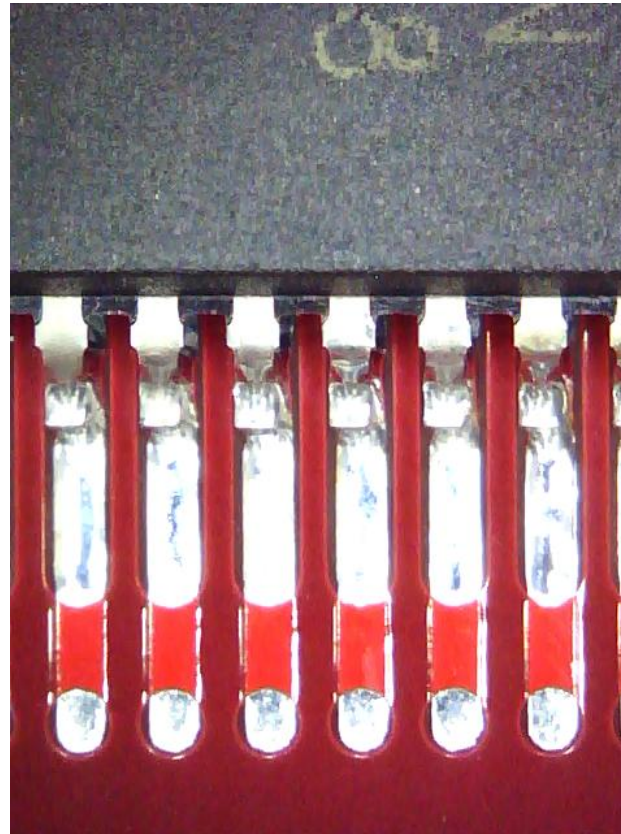
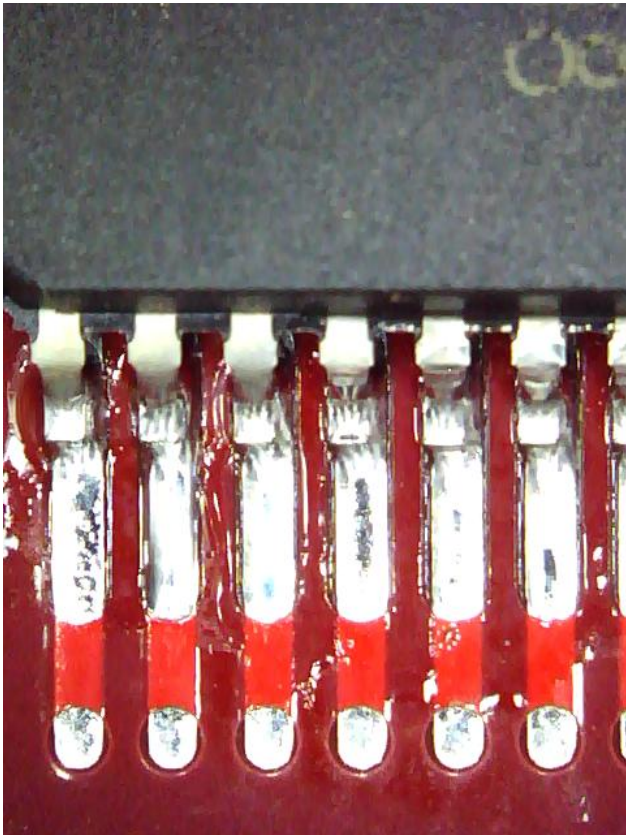
Comparison before and after wash -1



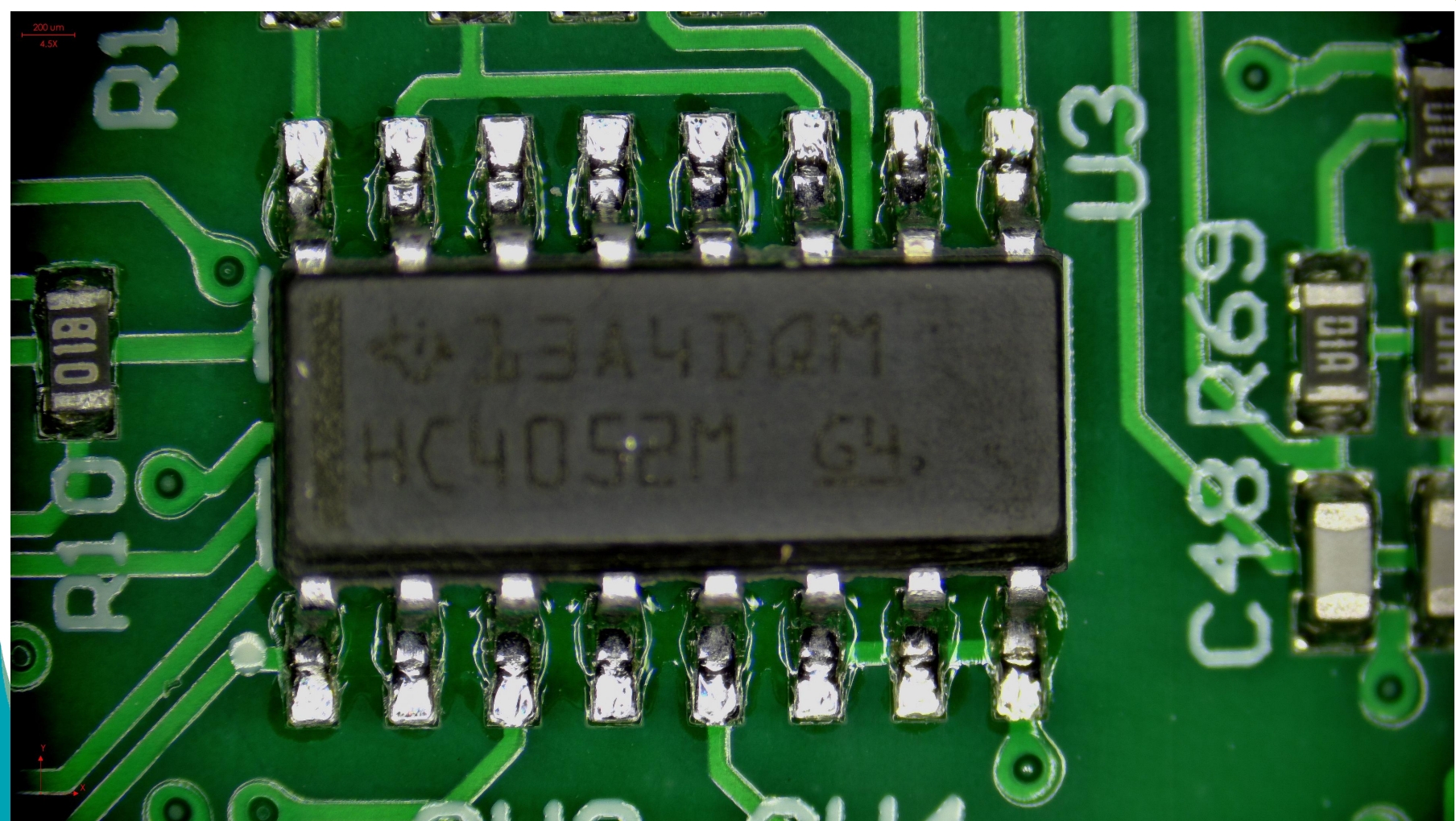
Comparison before and after wash -2



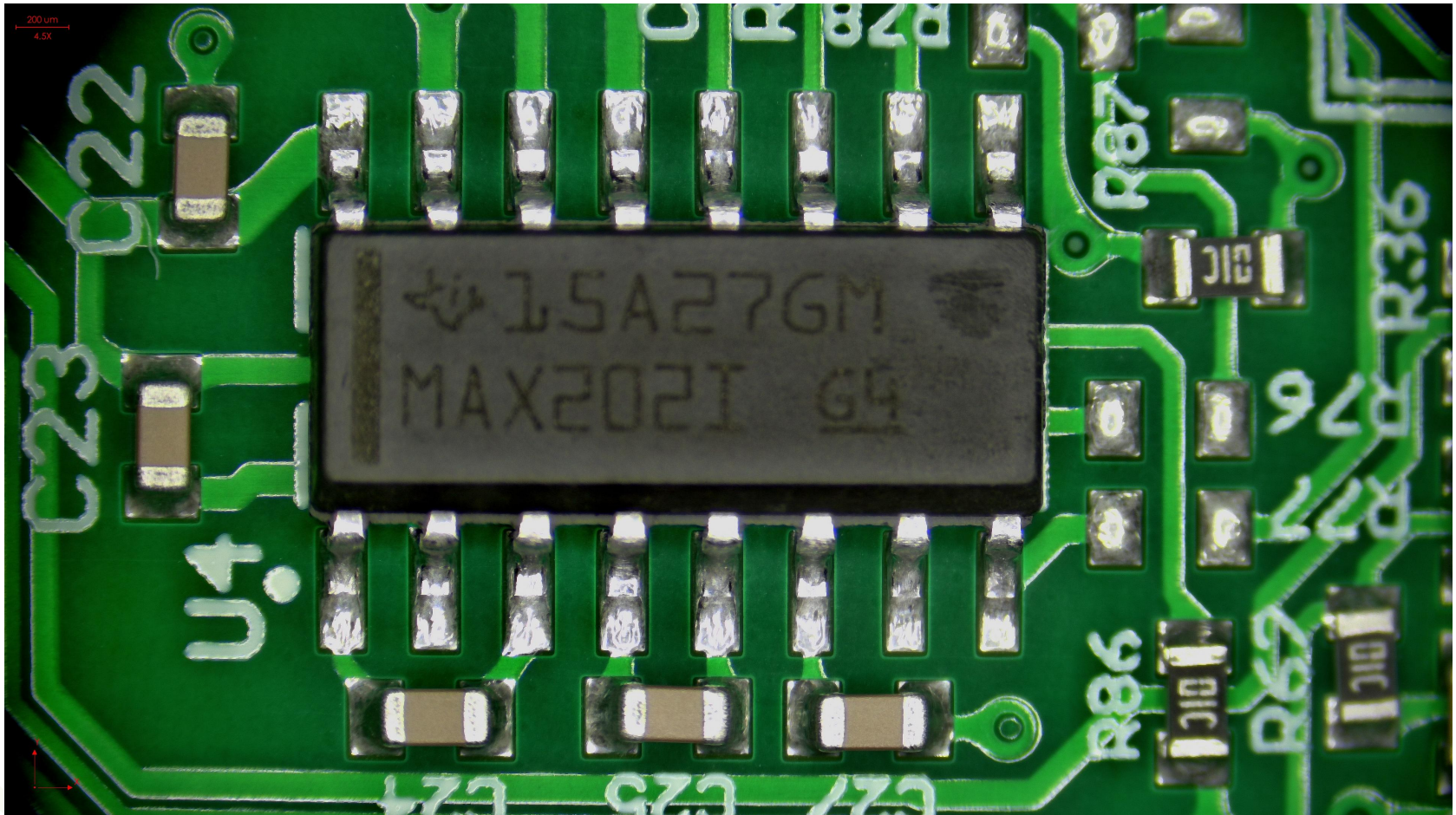
Comparison before and after wash -3



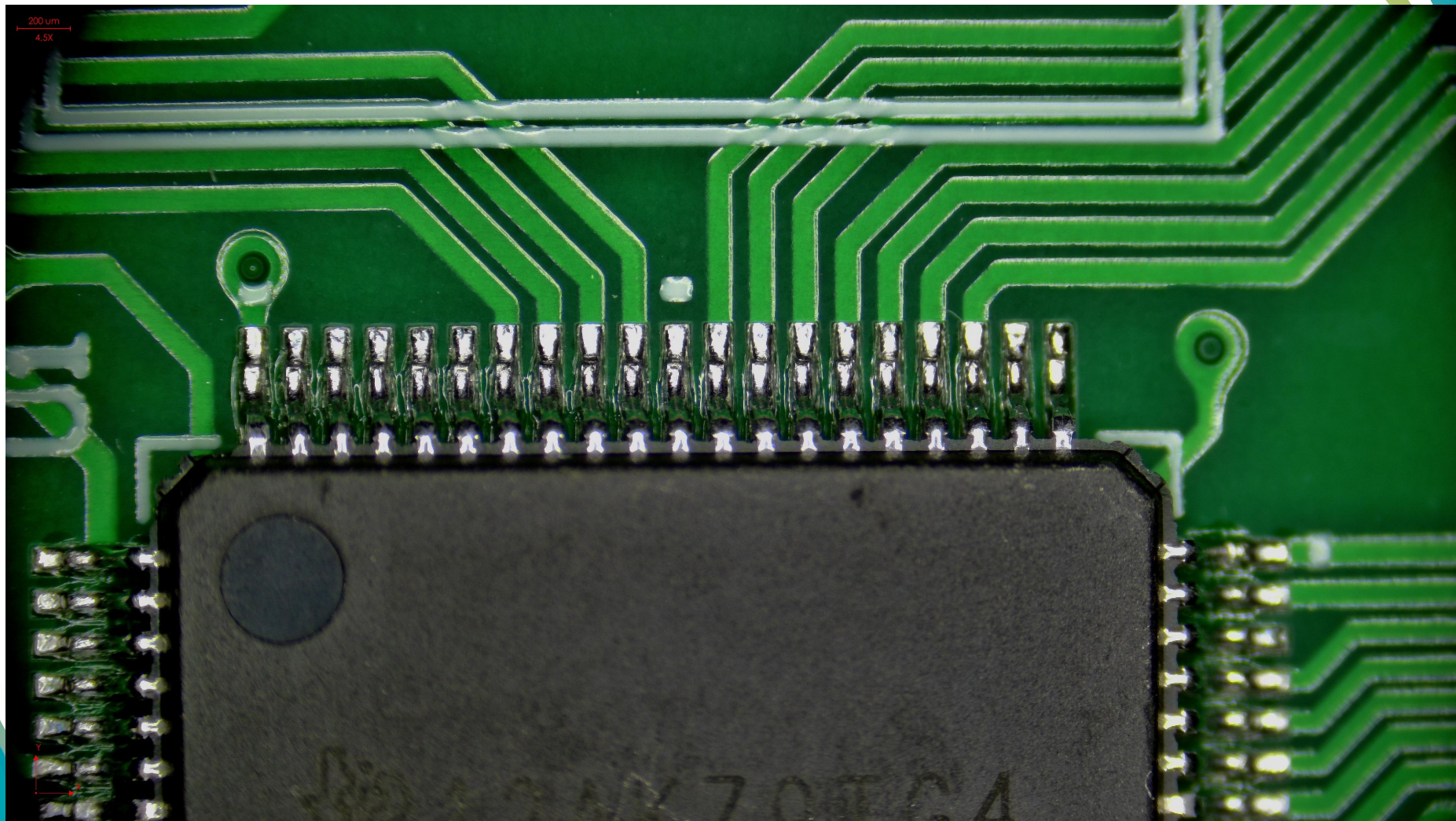
Comparision before clean-4



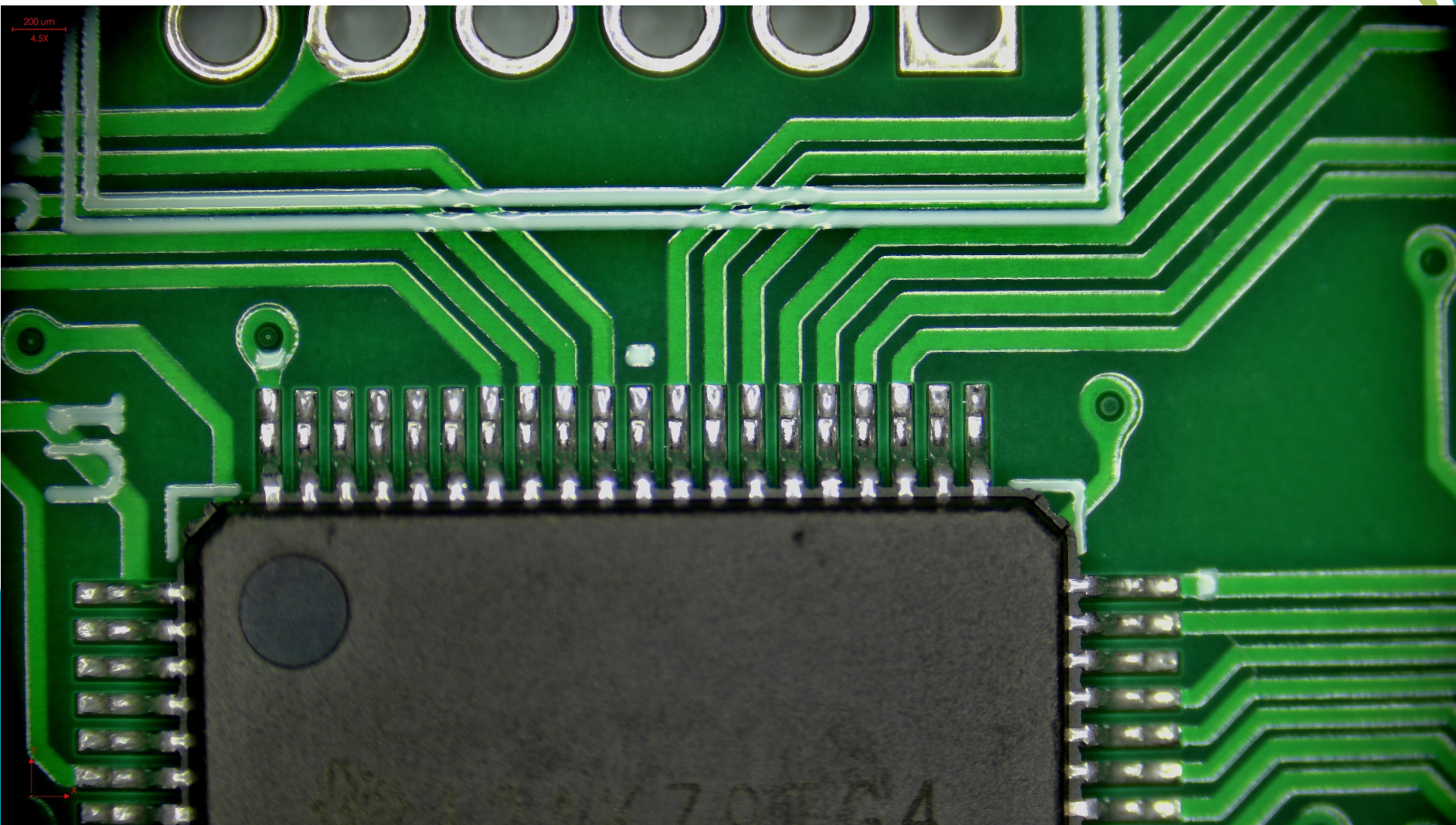
Comparision after clean-4



Comparison before clean-5



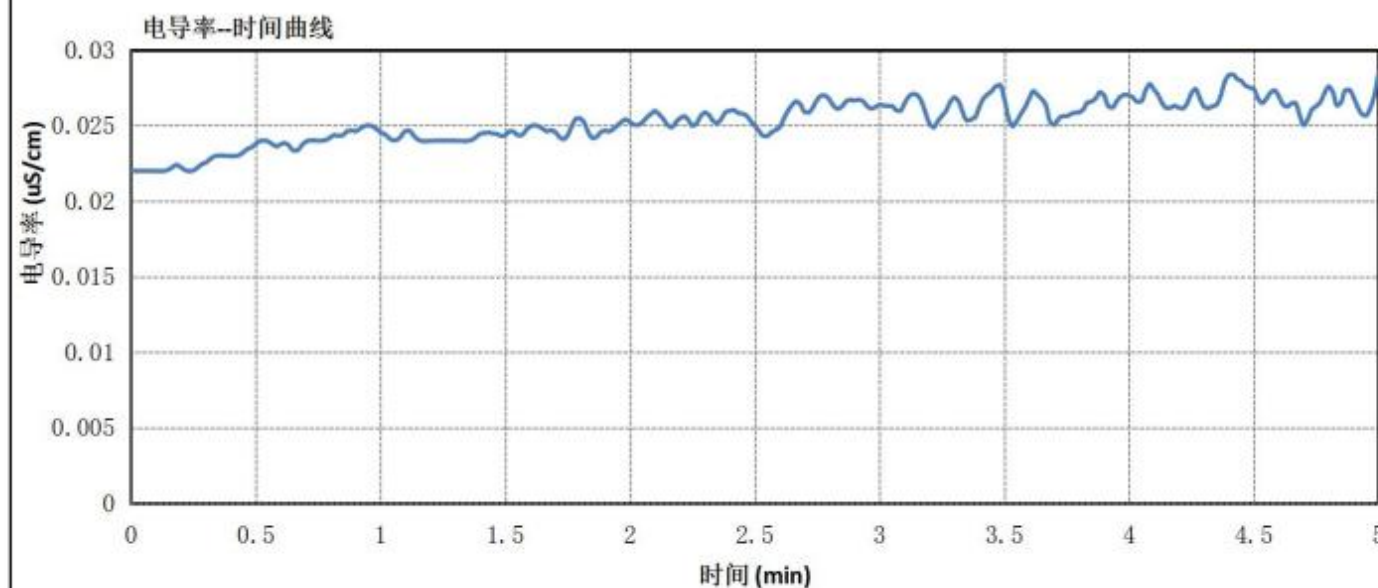
Comparison after clean-5



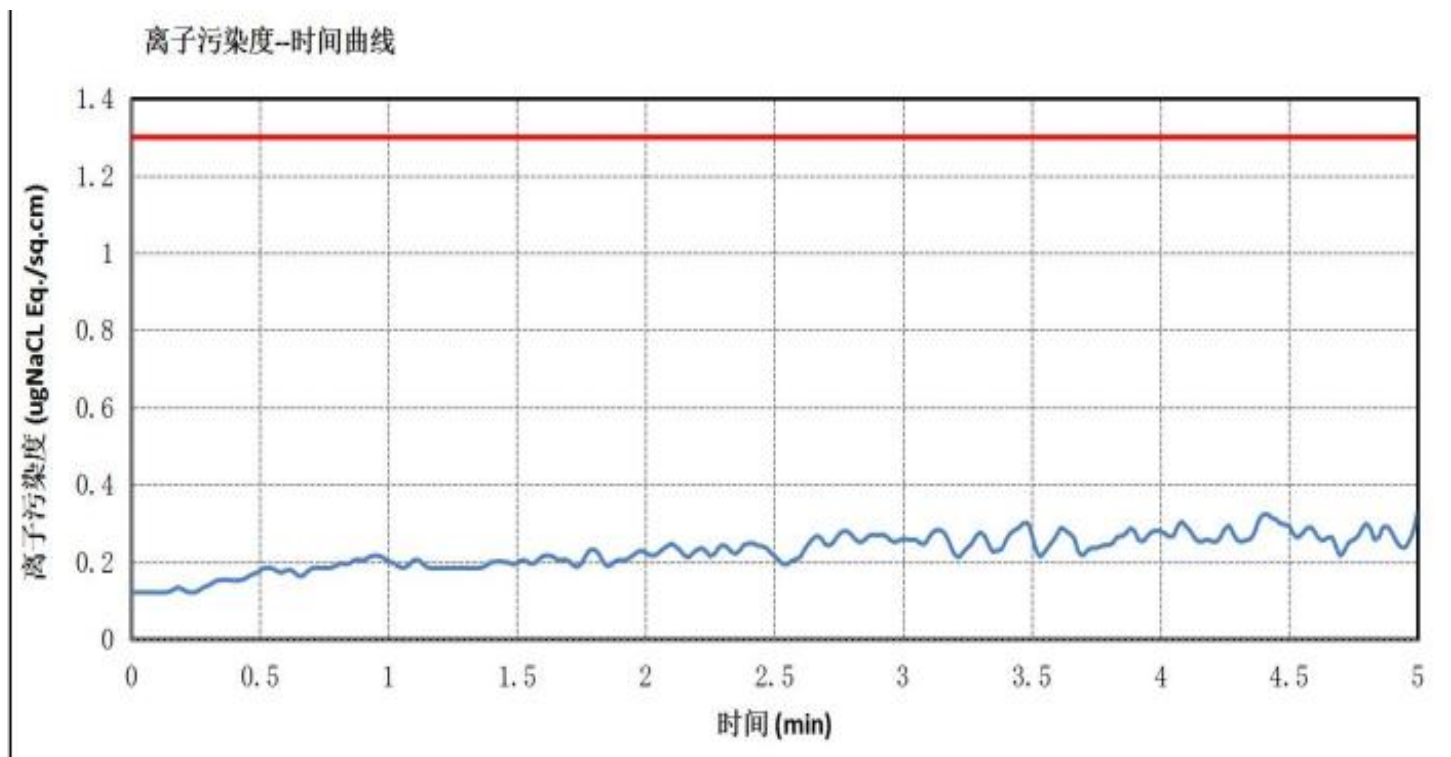
Ion contamination test

离子污染度检测报告

仪器型号	AC100	序列号	CNKS2016001
产品名称	L0704	检测日期	2023/3/4
板面实际面积	170.00 sq. cm	修正后面积	170.09 sq. cm
测试液温度	29.5 °C	测试时长	5.00 min
测试方法	静态测试	操作者	江正鑫



Ion contamination test



测试结果判定

选用标准	标准要求 (ugNaCl Eq./sq.cm)	测试结果 (ugNaCl Eq./sq.cm)	判定
用户自定义	---	---	---
DEF-STD-10/03	1.3	0.325	良品

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