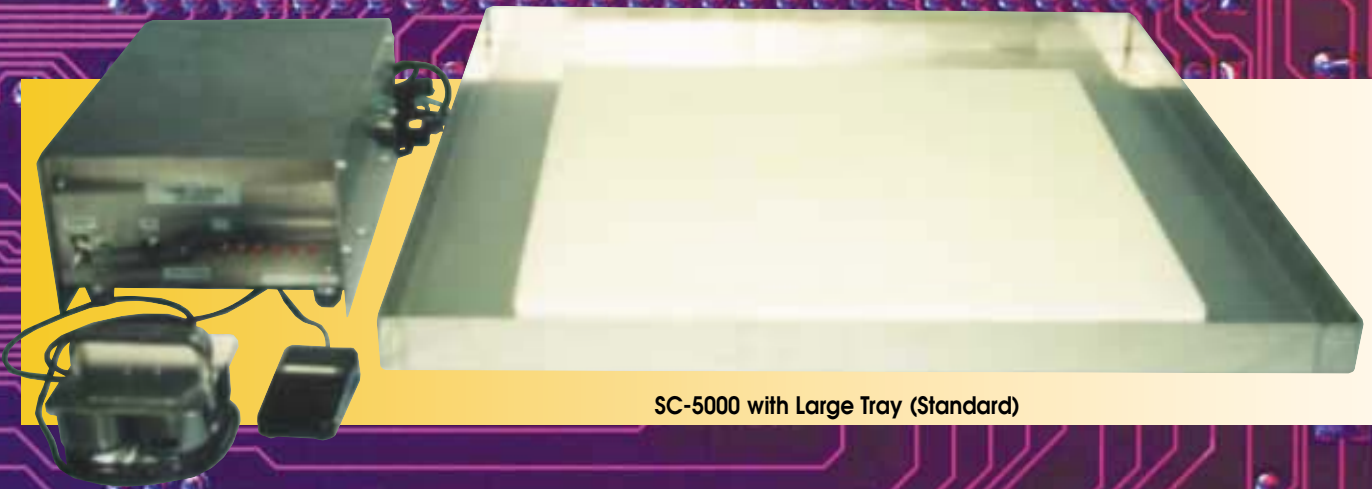


INSTRUCTIONS AND CLEANING PROCEDURES

SAWA CLEANER



SC-5000 with Large Tray (Standard)



SC-5000 with Optional Small Tray and Stand



SC-5000 with Small Tray

Step 1



Remove the excess solder paste or adhesive from the stencil with a scraper or spatula. This step can be performed while the stencil is still on the printer.

Step 2



Wipe both the top and bottom sides of the stencil simultaneously with a clean, wet SMT wipe. Wipe the stencil in a circular motion covering the same area on the top and bottom.

Step 3



Place (24" x 24") sponge in the large (32" x 32") tray. The tray is used to contain the solvent. The sponge absorbs the solder paste or adhesive dislodged from the stencil during the cleaning process. Replace the sponge when visibly dirty. The cleaning head can be applied to a dampened sponge to force solder balls or adhesive into the sponge away from the surface for prolonged use.

Note: A clean sponge is necessary for proper cleaning. Solder balls or adhesive may remain in the stencil apertures if the sponge is dirty.

Step 4



Saturate sponge with solvent as shown in the picture above. The sponge should be damp such that solvent leaks from the sponge upon touch. Use the appropriate safety gloves when handling solvents as indicated by the MSDS (Material Safety Data Sheet).

Solvents:

Water Soluble

Pastes:

Water or IPA

(for quick drying)

No Clean Pastes:

IPA or Non VOC

solvent

Adhesives:

Solvent recommended

by the manufacturer

Step 5



Place stencil on top of the sponge and apply solvent liberally on top of the stencil. The stencil must remain wet during the cleaning process.

Warning: Do not run the cleaning head dry as it will become hot!

Step 6



Apply cleaning head to the stencil in a motion similar to "ironing clothes." Apply minimal pressure to the cleaning head during the cleaning process. Cleaning time is typically between 30 and 60 seconds. Concentrate on apertures for critical components such as BGAs, CSPs, QFPs, and fine pitch.

Note: The Sawa SC-5000 is equipped with an automatic, internal 20 second timer. The cleaning head will turn off automatically after 20 seconds of continuous use. The cleaning head can be restarted by pumping the foot pedal once. The timer is to prevent overheating of the cleaning head due to accidental compression of the foot pedal.

Step 7



After cleaning with the Sawa Cleaner remove the stencil from the tray and wipe the top and bottom of the stencil with a clean, wet SMT wipe to remove any remaining solder balls or adhesive.

Step 8



After wiping the stencil use a magnifying glass to examine the apertures, especially fine pitch areas such as QFPs and BGAs. If not clean please repeat steps 1-7. Listed below are reasons for poorly cleaned stencils.

Reasons for Poor Cleaning:

- Cleaning time is not long enough (30-60 seconds)
- Solvent is not appropriate for the application
- Dirty sponge
- Dirty SMT wet wipe
- Dirty cleaning head

Step 9



Please turn off the generator when finished. Wipe the cleaning head to remove any solder paste or adhesive.



SC-5000 with Optional Metro Cart



Setup Instructions for Sawa Cleaner

Step 1



To accommodate different voltage settings in your facilities, please adjust the voltage dial on the front of the generator to the proper setting using a screwdriver. Settings are available for 240V, 220V, 120V, 110V and 100V.

Step 2



Please connect the serial cable attached to the cleaning head to the serial cable attached to the back of the generator/transformer.

Step 3



After completing steps 1 and 2 as shown, plug in the unit and turn the unit on.

Trouble-Shooting Guide for the SC-5000

FRONT VIEW OF GENERATOR

Main Power Fuse
5A (ampere)



Green LED
(Main Power Light)

Red LED
(Illuminates only during operation)

BOTTOM VIEW OF GENERATOR



Cleaning Head Fuse
.8A (ampere)

SC-5000 Card

FRONT VIEW OF GENERATOR



Multimeter

Fuse

If green light is not illuminated and cooling fan is not operating, please check the main power fuse. If green light is illuminated and cooling fan is operating, but cleaning head is not working, please check fuse underneath. Test the fuse using a multimeter to determine if the fuse is burned out or broken. Please contact Seika Machinery, Inc. if the problem can not be resolved.

Note: Please do not try to repair the unit otherwise you void the warranty.



SEIKA

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