MicroCare

Technical Specification

Trigger Grip™ Dispensing System

Faster and Better Benchtop Circuit Cleaning with Less Solvent Waste

The SolventMiser™ Trigger Grip is a handy tool that pays for itself almost instantly with reduced solvent consumption and improved cleaning

About the Product

The patented Trigger Grip™ system from MicroCare is the electronics industry's most efficient tool for cleaning printed circuit boards at the benchtop. For more than a decade, the Trigger Grip system has been delivering better, faster and safer cleaning, at a lower cost.

Proper cleaning requires four steps: wet, scrub, rinse and dry. If any step is skipped poor cleaning is the result. The Trigger Grip ensures that all four steps are implemented properly, so cleaning is easy, fast and consistent.

But the Trigger Grip does more. Since it amplifies the cleaning power of fresh, pure solvent with the mechanical scrubbing action of the brush, the Trigger Grip delivers significantly better results than other cleaning procedures. It saves money, because it slashes solvent consumption up to 50%. Techs also waste less solvent, so fumes are minimized and safety maximized. Because it works faster, each 'Grip typically boosts productivity 5-9%. The Trigger Grip also has been certified by the U.S. Navy as being ESD-safe when used with a conductive solvent and a properly grounded operator.

The Bench Mounting Kit

The Bench Mounting Kit (right) holds the aerosol can and the Trigger Grip neatly at the workbench. It keeps them both from tipping, which extends the life of the Trigger Grip. Perhaps even more importantly, aerosols used with this system are guaranteed to empty completely, saving money and avoiding a source of hazardous waste. These savings go right to the bottom line.

The Benchtop Cleaning Audit

As common as benchtop cleaning is, it is not always obvious which cleaning choices are appropriate and effective, and which ones are too slow, old, dangerous or expensive. MicroCare experts can conduct a "cleaning audit" and review all the chemistries and processes in a facility. The result is a written report with recommendations for improvements, should any be required. This "audit" — complete with a Trigger Grip system and solvent — is available at no cost. Contact MicroCare for details.

RoHS / WEEE Pb COMPLIANT

Part Numbers

Solvent Miser™ Trigger Grip	MCC-ESD
Slo-Flo Solvent Miser™ Trigger Grip	MCC-ESD2

The "Slo-Flo" Trigger Grip is the same as the regular SolventMiser except it is equipped with the "Slo-Flo" brush (#MCCC-RBNB2) which saves solvent.

Trigger Grip Accessories

Bench Mounting Kit	MCC-BK3
Standard Brush, Natural Bristle	MCC-RBNB
Standard Brush, Natural Bristle, Slo-Flo	MCC-RBNB2
Long Brush, Natural Bristle	MCC-LNB
Surface Mount Brush, Standard	MCC-SMB
Surface Mount Brush, Slo-Flo	MCC-SMB2
Syringe, .035 OD (Yellow)	MCC-SR35

Related Products

MicroCare strongly recommends the Bench Mounting Kit (#MCC-BK3) with the Trigger Grip system. MicroCare also recommends lint-free wipes (#MCC-W66), 6" by 6" (15 cm x 15 cm), which is the optimal size for a rework bench. This wipe features a strong, pure, lint-free paper. Many other cleaning accesories and options are available; visit www.MicroCare.com for details.

Product Notes

COMPATIBLITY: Both Trigger Grip systems fit all MicroCare aerosol solvents. The Trigger Grip is not compatible with freeze sprays, canned air, TravelSAFE™ products, pump sprays or the FiberCare™ cleaners.

GUARANTEE: All MicroCare products are covered by our unique, no-hassle, money-back guarantee of satisfaction. In addition, MicroCare guarantees that any aerosol properly used with the Trigger Grip and the Bench Mounting Kit system will empty completely, leaving virtually no solvent trapped in the can. If it does not empty, it is defective and MicroCare will replace it at no charge. Contact MicroCare for details.

PRODUCT EVOLUTION: The Trigger Grip has been made in several variations. The latest iterations, #MCC-ESD and -ESD2, replace all those versions. They have a "fatter" hand piece with better ergonomics. The latest Bench Mounting Kit, #MCC-BK3, features a larger holder for the new Trigger Grip. Older kits will not fit the new hand piece, so MicroCare offers replacement parts at no charge.

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Using the Trigger Grip™

Components Required

There are four components to the system. First, there is a Trigger Grip dispenser and a MicroCare aerosol. The Bench Mounting Kit holds the both items at the workbench. Lastly, there are replacement brushes, as they will wear out.

Installing the Bench Mounting Kit

The bench mounting kit comes with two metal screws on both the can holder and the grip holder (see photo, previous page). These are used to fasten the kit to a work bench, usually ***below*** the benchtop to avoid entangling the Trigger Grip with wires from soldering systems. The kits also can be secured to a table leg using cable ties.

Connecting a Trigger Grip System

1. Place the can flat on a bench. Remove the blue tamper-proof seal from the top of the can.
2. Immobilize the nozzle by putting your thumb under the blue triigger (blue arrow). Be careful — If you push ***down*** on the blue trigger, solvent will spray out.
3. Insert the hose into the nozzle on the aerosol can (red arrow). Push it in all the way.
4. Take the Strain Relief Clamp on the hose and latch it into the two holes on the top of each aerosol (green arrows). It's easier to insert the longer arm into position first.
5. Insert the can and Grip into the mounting kit.

Cleaning (Normal Process)

Using the Trigger Grip is easy:

1. Pick up the circuit board and hold it at a slight angle. This is so the solvent and flux residues will drain off the board.
2. Wet. Spray solvent on the area to be cleaned.
3. Scrub. Using the Trigger Grip, scrub the area. Add any solvent as needed with a tiny squirt.
4. Rinse. Lift the brush off the board 1 cm/.5 inches and lightly spray the area with solvent. This flushes away the flux residues or any other contamination (photo, lower left).
5. Dry. Let the board dry, or use lint-free wipes.

Cleaning with a Wipe

If the board is large, this process may be faster and cheaper:

1. Lay the board ***flat*** on the benchtop. Lay a lint-free wipe, such as the #MCC-W66 wipes, on top of the area to be cleaned.
2. Wet. Spray solvent on the wipe.
3. Scrub. Brush through the wipe and scrub. Let the wipe move. Add solvent as needed.
4. Rinse. Lift the wipe off the PCB. Residues and solvent will be aborbed by the wipe.

Disconnecting a Trigger Grip

Take care when disconnecting a Trigger Grip:

1. Hold the can firmly on top of the bench.
2. Pull down on the blue trigger. This frees the Strain Relief Clamp.
3. Gently and carefully slide the Clamp down the hose, out of the way (purple arrow).
4. Lift up on the blue trigger (yellow arrows). Listen for the "hiss" as the pressure is released. If there is no "hiss" the system is still pressurized.
5. Pull the Trigger Grip from the can. A small drop of solvent may be trapped inside the white cap.
6. Install a replacement can using the instructions above.

Further Information

- Additional user training is available on the MicroCare web site. There is an 8-minute video available for employee training; contact MicroCare for a copy.
- All of the MicroCare aerosols, the Trigger Grips, the Mounting Kits and brushes have an unlimited shelf life.
- Solvent consumption will vary due to many factors. Most companies find the fast-drying solvents last 5-7 days (roughly 75-100 repairs) while the slow-drying solvents last up to 20 days (approx. 200+ repairs). The Trigger Grip should last several years. The Bench Mounting Kit has an indefinite life. The brushes last 3-6 months in normal use.

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