

# The Trigger Grip™ Systems

## Technical Summary

### Overview

The Micro Care Trigger Grip system is the industry's most efficient method for cleaning printed circuit boards at the benchtop. This patented system helps techs clean faster, better and less expensively than any other manual process. These products are the industry's gold standard for precision benchtop cleaning.

### The Cleaning Myth

Most engineers feel good cleaning is assured by selecting the right chemical. In turn, most purchasing managers believe the right chemical is the least expensive one. Both could not be more wrong.

For benchtop cleaning, the process is vastly more important than the solvent. It is the process that ultimately determines the cost and quality of the cleaning. To this end, the Trigger Grip system enforces great cleaning techniques while delivering quality cleaning at the lowest possible cost.

### The Four Steps

Quality cleaning requires four universal steps: wet, scrub, rinse and dry. Everything gets cleaned with this same process, be they circuit boards, dishes in the sink, a baby in the bath, or a car in the driveway. Each step is important:

- *Wetting* softens the contamination, loosening the soils.
- *Scrubbing* uses mechanical energy to dislodge the toughest soils, speeding the process.
- *Rinsing* removes the contamination and prevents them from being re-deposited on the board.
- Finally, *drying* speeds the process so that dust is not attracted back to the surface.

If any step is skipped, the boards will not be cleaned in a speedy and cost-effective manner. For example, "dip-and-

brush" cleaning skips the rinsing step, leaving contamination on the board. Old-style aerosols offer great at wetting and rinsing, but used too much solvent and may be hazardous with today's new ozone-safe solvents.

### The Trigger Grip System

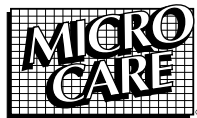
The Trigger Grip ensures all four steps are implemented properly while simultaneously supplying pure, clean solvent. This eliminates most causes of poor cleaning and simplifies troubleshooting. The system also cuts solvent usage, which generates major cost savings. Most users prefer the Trigger Grip system because it makes cleaning fast and easy. Engineers also appreciate the Trigger Grip because it standardizes the cleaning process, imposing a gentle discipline on technicians.

**Simple and Inexpensive,  
the Trigger Grip System  
Delivers Faster, Better  
and Safer Benchtop  
Cleaning**

Reduces Solvent Use

Speeds Cleaning

Improves Quality



These same simple steps will produce great results with a Trigger Grip:

- 1. Wet.** First, hold the PCB at a slight angle, supporting it on a countertop and with the area to be cleaned on the lowest side. Spray a small amount on the board, wetting the residues.
- 2. Scrub.** Gently scrub the board with the Trigger Grip. A little squirt every now and then will help loosen the

grime; there is no need to spray continuously. Many techs customize the Trigger Grip with different brushes or syringes to clean more quickly with less solvent, or use their lead trimmers to shape the brushes to get into hard-to-reach corners.

3. **Rinse.** Once the contamination is dissolved, briefly spray and rinse the board.
4. **Dry.** After rinsing, gently shake the board to dry it quickly. For slow-drying solvents, expedite drying with a gentle squirt of compressed air or by absorbing the liquid into a lint-free wipe (#MCC-W66).



### Trigger Grip Details

- |                                      |          |
|--------------------------------------|----------|
| - Standard Trigger Grip              | MCC-STB  |
| - Slo-Flo Standard Trigger Grip      | MCC-STB2 |
| - Solvent Miser™ Trigger Grip        | MCC-ESD  |
| - Slo-Flo Solvent Miser Trigger Grip | MCC-ESD2 |
| - HDG Trigger Grip                   | MCC-HDG  |
- The Solvent Miser Trigger Grip is the ESD-safe version chosen by most electronics firms. Any grip can be fitted with any brush. The slo-flo brush is standard on the MCC-ESD2, -STB2, and -HDG models.

### Bench Mounting Kits

- |                                  |        |
|----------------------------------|--------|
| - Static-Safe Bench Mounting Kit | MCC-BK |
|----------------------------------|--------|
- Each Kit holds a can and the Trigger Grip, keeping the workbench tidy; extends Trigger Grip working life.

### Standard Replacement Brushes

- |                                  |           |
|----------------------------------|-----------|
| - Standard Natural Bristle       | MCC-RBNB  |
| - Standard Nylon Bristle         | MCC-RBN   |
| - Slo-Flo Brush, Natural Bristle | MCC-RBNB2 |
- The standard natural bristle brush is the single best-selling style. The nylon brush is for cleaning stencils and mechanical parts. Slo-flo brushes cut solvent usage; speeds cleaning, saves money.

### Surface-Mount Brushes

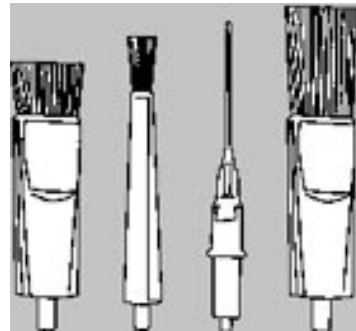
- |                             |          |
|-----------------------------|----------|
| - Soft Bristle (Camel Hair) | MCC-SQB  |
| - Slo-Flo Soft-Bristle      | MCC-SQB2 |
| - Standard Bristle          | MCC-SMB  |
| - Slo-Flo Standard Bristle  | MCC-SMB2 |
| - Stiff Bristle (Brass)     | MCC-STF  |
- These brushes are favored for tightly-spaced SMT assemblies. The soft brush is for hybrids or fragile disk drive heads; the stiff brush is used to cut conformal coatings.

### Trigger Grip Packaging and Shipping

**SHIPPING:** The Trigger Grip system and its components are all packed one per bag. They are non-hazardous, non-regulated freight. They may easily be shipped by air. However, the aerosol solvents cover a wide variety of shipping classifications. See the Product Specification for each solvent for shipping details.

**NOTE:** Micro Care publishes this information from sources believed to be accurate. This data is intended for persons having the technical skills to evaluate and use the data properly. Micro Care does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred using it. Micro Care's liability is limited to the replacement of this product. Specifications are subject to change without notice.

**TRADEMARKS:** "Micro Care" and the Micro Care logo are registered trademarks of Micro Care Corp. The terms "Trigger Grip" and "StatZap" are trademarks of Micro Care. The Trigger Grip system is protected under various U.S. patents. The StatZap is protected under U.S. patent #5,423,458.



### Long-Nose Brushes

- |                   |         |
|-------------------|---------|
| - Natural Bristle | MCC-LNB |
| - Nylon Bristle   | MCC-LNN |
- These brushes are used for cleaning components on through-hole boards, as well as large connectors and stencils. Use the nylon brush for precision cleaning of assemblies which are *not* static-sensitive, such as stencils and motors

### Spray-Thru Syringes

- |                                     |          |
|-------------------------------------|----------|
| - Fastest Flow .035 OD (Yellow)     | MCC-SR35 |
| - Best-Selling Flow .020 OD (Brown) | MCC-SR20 |
| - Smallest Flow .012 OD (Purple)    | MCC-SR12 |
- Our most useful enhancement to the Trigger Grip delivers the convenience of high-pressure precision cleaning (like old-fashioned aerosols) but uses much less solvent and waste, saving money.

### Related Products

- |                          |         |
|--------------------------|---------|
| - StatZap ESD Eliminator | MCC-ZAP |
|--------------------------|---------|
- Eliminate ESD damage from aerosol sprays. This inexpensive spraygun fits any Micro Care aerosol product and dissipates static to protect delicate electronics.
- |                          |         |
|--------------------------|---------|
| - TidyPen® Label Remover | MCC-PEN |
|--------------------------|---------|
- This pocket-sized cleaning pen is amazing. It removes glues, adhesives, tape residues and EPROM labels in seconds. A real time-saver!

### Availability

Distributed Locally by:

### Manufactured by



**MICRO CARE CORPORATION**  
 34 Ronzo Road  
 Bristol, Connecticut 06010-7792 USA  
 Phone: (860) 585-7912 Fax: (860) 585-7378  
 In North America dial: (800) 638-0125