

## 8800-DOWNSTOP

### Introduction

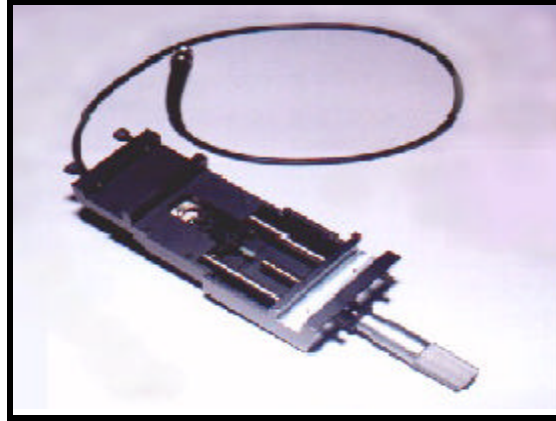
Micromanipulator has years of probing experience which can be identified in the designs of our equipment. A perfect example is the 8800-DOWNSTOP. The 8800-DOWNSTOP has been designed to help users minimize costly damage to expensive probe cards. Damaged probe cards not only represent monetary cost, but downtime cost as well.

### Why is it needed?

Motorized (joystick) control can be tricky. When probing, you don't want to go too far because the slow release of the joystick will damage the DUT. The **DOWNSTOP** gives an "ultimate" limit that is settable.

Some users like to use a mechanical adjustment to set an overdrive distance once they determine where the probes touch. The **DOWNSTOP** has a micrometer adjustment.

The **DOWNSTOP** adds a "fail safe" to prevent damage to expensive probe cards when mistakes in programmable / motorized operation are made. The 8800-DOWNSTOP is a mechanical down limit you can use on motorized probe stations to set



Closeup of 8800-DOWNSTOP

the "fail safe" point at which the platen stops. Using it is easy, it works with any Micromanipulator station with motorized or programmable platen drive by connecting to the probe card edge sense connector on the prober.

### How to Use the Downstop

1. Drive the platen to its correct down position.
2. Adjust the down stop to that level, contact is indicated by an LED.

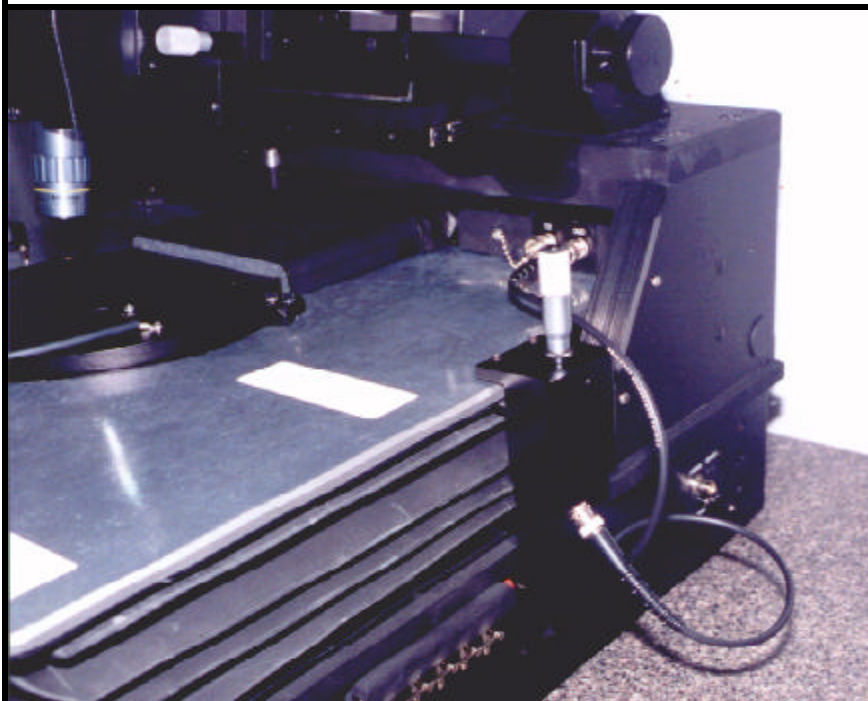
3. Dial in a "fail safe" overdrive distance.

This should be set so the probe card is not damaged if the platen software down limit is set incorrectly or overridden by operator error or distractions during setup.

4. Use the platen normally. If the platen for some reason is driven past its set

down position (either manually or by software), the downstop will stop the platen when it reaches the "fail safe" position.

8800-DOWNSTOP attached to the test station



1555 Forrest Way  
Carson City, NV 89706  
info@micromanipulator.com  
www.micromanipulator.com

Tel: 775-882-2400  
Tel: 800-654-5659  
Fax: 775-882-7694  
Made in the USA

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