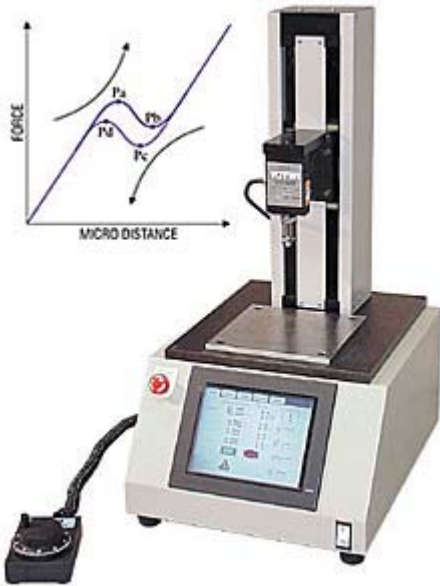


# 137-MVS Ultra Precision Fully Programmable Force / Distance Touch Panel Tester



MVS teststand includes loadcell

- **Capacity: up to 220 lbs.**
- **Force Accuracy: 0.2% F.S.**
- **Stroke: 100 mm**  
(Optional: 200 or 300 mm)
- **Speed: 0.001 mm/sec to 9.999 mm/sec**  
(digitally adjustable)
- **Movement Resolution: 0.001 mm increment**  
(by JOG dial)
- **Position Repeatability: 0.03 mm (0.015 mm one direction)**



The MVS features both force and displacement testing. It accommodates load cells up to 220 lbs. and has very precise digital positioning capabilities and a manual JOG dial capable of 0.001-mm increments.

The touch screen is the ultimate in programming efficiency. Five screens control Testing, Options, Utility, Settings and Calibration.

The MVS is specially designed to test force vs. displacement characteristics including hysteresis analysis of micro-movement test samples such as membrane switches, micro switches, keyboards, etc. It will quickly measure not only compression direction, but also the reverse, decompression, simultaneously. Also, if it is preset, it will indicate the particular force value at the preset distance. Once all of the testing parameters are set, the MVS will perform the uniformly conditioned testing repeatedly. The force and displacement data output in the RS-232C format is available for SPC.

**MVS Ranges (Resolution) Accuracy:  $\pm 0.2\%$  F.S.  $\pm 1$  LSD**

Model	Capacity (Resolution)		
	Pounds Ounces	Kilograms Grams	Newtons
<b>MVS-1</b>	17.64 oz (0.01 oz)	500.0 g (0.1 g)	4.903 N (0.001 N)
<b>MVS-4</b>	4.409 lb. (0.001 lb.)	2.000 kg (0.001 kg)	19.61 N (0.01 N)
<b>MVS-11</b>	11.02 lb. (0.01 lb.)	5.000 kg (0.001 kg)	49.03 N (0.01 N)
<b>MVS-44</b>	44.09 lb. (0.01 lb.)	20.00 kg (0.01 kg)	196.1 N (0.1 N)
<b>MVS-110</b>	110.2 lb. (0.1 lb.)	50.00 kg (0.01 kg)	490.3 N (0.1 N)
<b>MVS-220</b>	220.5 lb. (0.1 lb.)	100.0 kg (0.1 kg)	980.6 N (0.1 N)