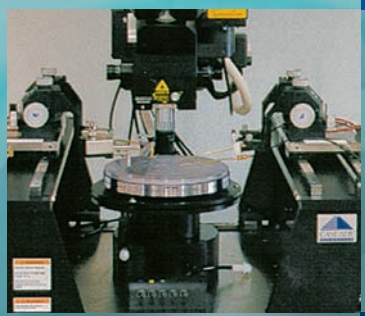
REL-1000™ LCD/Large Area Probe Station





Flexible probing platform for large-area test

The REL-1000 is custom designed for accurate probe placement on LCDs and large-area substrates including circuit boards with mounted components. With a large variety of device mounts and positioning stages available, you can configure a system that meets your needs.

CASCADE® MICROTECH

Innovating Test Technologies

The REL-1000 is custom designed for accurate probe placement on LCDs and large-area substrates including circuit boards with mounted components. Independent placement of four platens and microscope translation allow probing multiple configurations. The rigid precision base and microscope transport provide outstanding stability when used with high-magnification optics. This allows you to probe smaller geometries.

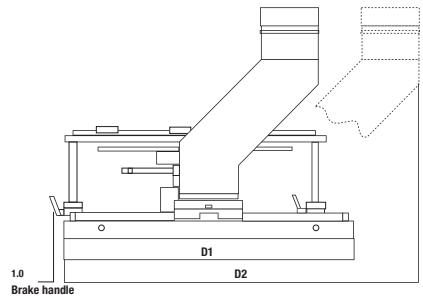
With a large variety of device mounts and positioning stages available, you may configure a system that exactly meets your needs. Options include thermal chuck interface, vacuum chuck, custom fixtures for LCD's, test boards and programmable x and y stages with submicron resolution.

Features

- Coarse microscope translation to cover entire chuck area
- 2.54 cm x 2.54 cm (1 in. x 1 in.) fine microscope translation
- Platen plates with independent movement to cover entire work area
- Positioner drop down arms for MS1, MH or DCM series positioners
- Vacuum manifold allows up to four vacuum zones

Optional Features

- Programmable x-y stage
- Vibration isolation table
- Assortment of device mounts
- Choice of microscope, micropositioners, and other accessories
- Vacuum manifold for positioners
- Cable interfaces to station
- Up to 4 vacuum zones available on device mounts
- Platen plates to support probe cards



Station A & B:
D1 = 30.0 in. (76.2 cm
D2 = 36.6 in. (93.0 cm)

Station C:
D1 = 40.1 in. (101.9 cm)
D2 = 40.1 in. (101.9 cm)

Specifications

Microscope Gross Travel

Station A
x = 20 in. (50.8 cm)
y = 20.5 in. (52.07 cm)

Station B
x = 26 in. (66.04 cm)
y = 20.5 in. (52.07 cm)

Station C
x = 20 in. (50.8 cm)
y = 20.5 in. (52.07 cm)

Microscope Fine Travel

(With RST-01 standard manual scope transport)
x = ±0.5 in. (1.27cm), 1 in. total travel
y = ±0.5 in. (1.27cm), 1 in. total travel
Resolution <1micron

Platen Travel

Station A
x= up to 15 in. (38.1 cm)
y =up to 17 in. (43.18 cm)

Station B
x= up to 24.5 in. (62.23 cm)
y= up to 17 in. (43.18 cm)

Station C
Stationary platen- probe card holder (RAC-52) compatible

Dimensions

Station A: R1000-16
Height: 24.6 in. (62.48 cm)*
25.7 in. (65.28 cm)**
Width: 33.3 in. (85.58 cm)
Depth: 30.0 in. to 36.6 in. (76.2 cm to 92.96 cm)

Station B: R1000-15
Height: 24.6 in. (62.48 cm)*
25.7 in. (65.28 cm)**
Width: 42.7 in. (108.46 cm)
Depth: 30.0 in. to 36.6 in. (76.2 cm to 92.96 cm)

Station C: R1000-04
12 in. x 12 in. programmable stage
Height: 26 in. (66.04 cm)**
Width: 40.6 in. (103.12 cm)
Depth: 40.1 in. (101.85 cm)
* Manual microscope transport
**Programmable microscope transport

Micropositioners

- MS1-44 series programmable
- MH2-B, MH4-B and MH5 series manual
- MD1 and MDL series manual
- DCM series manual

Optics

- A-Zoom
- Mitutoyo Finescope
- Olympus Zoom Stereo

Accessories

- Laser cutting systems
- Class I enclosures
- Color video system
- Thermal systems
- Vibration isolation tables
- Dark box/isolation table combo (increases overall system size)

Ordering Information

Consult factory for a custom quote

CASCADE MICROTECH

Innovating Test Technologies for better measurements faster

Cascade Microtech, Inc., 2430 NW 206th Avenue,
Beaverton, Oregon 97006, USA
Toll Free: 1-800-550-3279
Phone: 503-601-1000 Fax: 503-601-1002
Europe: +44 1295-812828 Japan: 03-5478-6100
Email: sales@cmicro.com www.cascademicrotech.com

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REL1000DS-1200
Data subject to change without notice