

WAVELINK

WL-170

High-Stability Manual RF Probe Station

The WL-170 incorporates the base, platen assembly and microscope transport from the WL-210 and the stage drive from the WL-1160 to provide an ultra-stable probing platform. While not upgradeable to the extent that the WL-210 is, the 4-point platen lift and support, 1.5" of platen travel, and .625" thick over-sized platen, the WL-170 easily supports all your leading-edge applications. 6 & 8 inch models available.



PERFORMANCE, QUALITY, VALUE

SIGNATONE®

Advanced Microprobing Solutions Since 1968

Features & Benefits

The **WL-170** High-stability RF/Microwave probe station was designed for millimeter-wave applications, and the large tuner assemblies required. This technology dictates that the station offer improved structural strength and rigidity, a larger platen, and superior non-resonant performance.

The **WL-170** includes a 2" X 2" microscope stage for optimal viewing of the test area and supports most StereoZoom and high-powered microscopes on the market today.

The **WL-170** incorporates many of the performance and convenience features of **WL-210**, with the cost-effective XY wafer stage of the **WL-1160**. The WL-170 and WL-1160 share the same versatility that allows the use of probe cards, magnetic, vacuum, and bolt-down base micropositioners, thermal chucks, light-tight enclosures and many more essential accessories that provide you the tools you need.

Features:

- 150mm & 200mm Rack & Pinion stage options
- 50mm X 50mm microscope stage standard
- Separate contact/separate and platen height controls
- 1.5" of platen Z control, locking
- Holds up to four S-96MW microwave micropositioners
- Optional steel platen



Separate theta eliminates the wafer realignment step after calibration

SPECIFICATIONS

Width.....	27 inches
Depth	22 inches
Height (with microscope) ..	19.5-22 inches
Shipping Weight.....	125 pounds
Vacuum Chuck	6" or 8" diameter - supports single die through 8" wafers
X-Y Stage Resolution.....	X motion @ 1.125" per knob revolution Y motion @ 1.6" per knob revolution
Coarse Platen Lift	3/8" linear with continuous friction stop
Fine Platen Lift.....	1. 5" @ .025" per knob revolution
X-Y Microscope Stage	2" X motion @ .1" per knob revolution 1.8" Y motion @ .1" per knob revolution
Facilities Required.....	Vacuum: 20" Hg @ .1 CFM, Power for Microscope: 120V/60 Hz, 20 Watts

CONFIGURATIONS

ORDERING INFORMATION - Select the WL-170 best suited for your application

WL-170 [] - []

Microscope Mount Type

- A = High-Powered Optics Mount
- B = StereoZoom Optics Mount
- C = StereoZoom Rigid Mount
- D = 6" X 6" High-Powered Optics Mount

Chuck & Stage Range

- 4 = 4 inch (100mm)
- 6 = 6 inch (150mm)
- 8 = 8 inch (200mm)

SIGNATONE

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