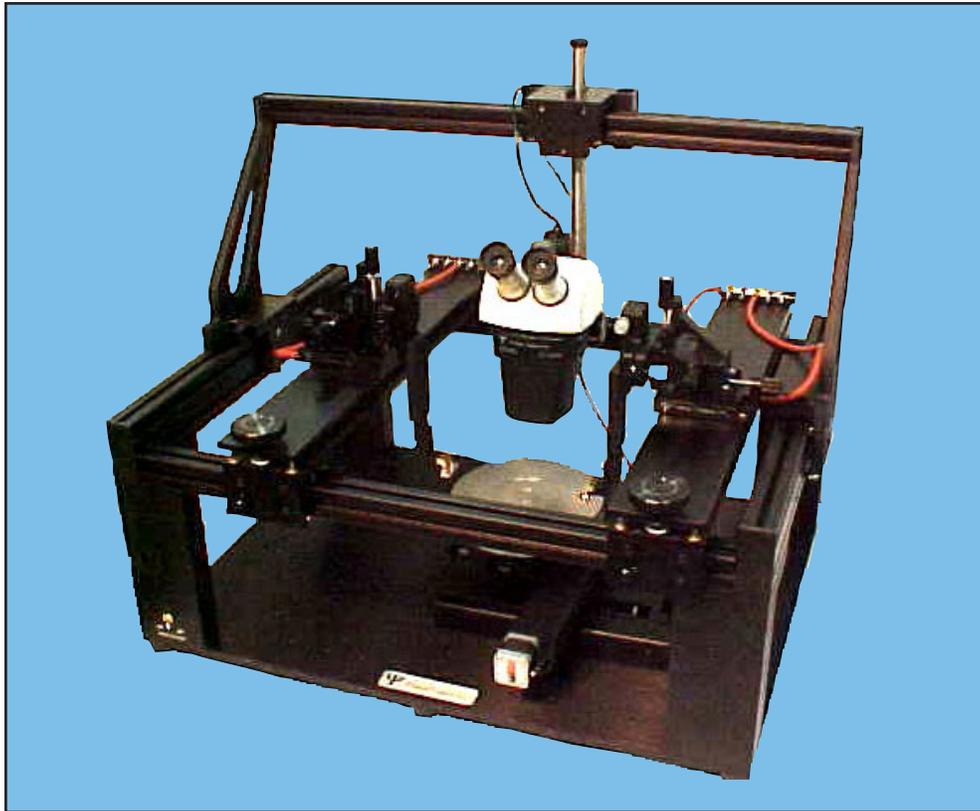


**HORIZONTAL SIGNAL
INTEGRITY TDR PROBE STATION**

MULTIPLE CIRCUIT BOARD CONFIGURATIONS



MANUAL STATION

Features Include

- Open design allows a variety of fixtures and device types to be probed, ranging from flat panel displays to high density populated PCB's for Time Domain Testing.
- With standard Hard Fixture capability or X-Y lead screw controlled stage with Vacuum chuck for flat-based fixtures, allowing precision controlled targeting of probes.
- The large platens (2 each) may be positioned horizontally and locked. Each has individual height control.
- Accepts standard PSI X-Y stages, wafer chucks, packaged device fixtures and fixed universal board mounts. User fixturing is easily accomplished with stand-off's attached to the grid of threaded holes in the base plate.
- May be used with a variety of manipulators, probes and probe holders. Including: Probing Solutions, PICO Probes and TDR Probes and others.
- Economical solution to a variety of probing needs. Populated Boards, Displays, Hybrid packages and Back Side Solder Ball, just to name a few.

PLATEN

Comes standard with two 4" (10cm) x 26" (66cm) platens positionable in the 'X' axis providing a useful test area of 19" (48cm) x 20" (51cm). Each platen has 2" (5cm) of height positioning.

STATION BASE (FOOTPRINT)

32" (81cm) x 26" (66cm) grained, black anodized aluminum. 10-32 threaded holes on a 2" (5cm) x 2" (5cm) grid pattern providing facility for fixture mounting.

MICROSCOPE POST AND

MICROSCOPE OPTIONS

X, Y translation is 32" (81cm) x 24" (61cm). The Z microscope positioning ranges from the surface of the DUT to 8" (20.3cm) above.

System accepts stereo microscope with a typical zoom magnification range and 10X eyepieces (for total zoom magnification of 2.1x to 270x). Illuminator and camera ports are standard. Optional Navitar zoom lens with Articulating Mounting System

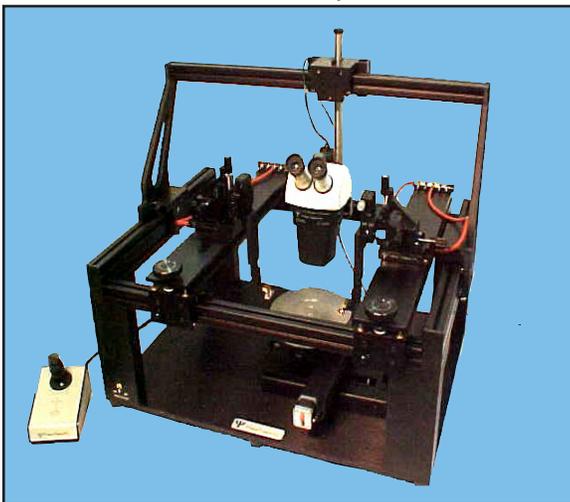
FINISH DIMENSIONS AND WEIGHT

34" (81cm) W x 26" (61cm) D x 24.4" (71cm) H
Weight: 170 lbs. (77kg)
12" (30cm) Work Height

FACILITIES

Auto Switching CE Illuminator. 110/220 VAC, 2.5A, 50/60 Hz

PSI 1920H with Motorized Joystick X-Y Controller



Visit our website at:
www.probingolutions.com

DESCRIPTION

The PSI 1920™ is the essence of simplicity and affordability yet includes functions normally found on machines priced significantly higher. This probe station was created to satisfy the versatility requirements for populated *Time Domain Reflection* testing, and *DUTs* whose geometries are too small for hand guided probes yet capable of contacting structures viewed with microscopes.

The 32" (81cm) x 24" (71cm) baseplate provides the structure which supports two large platens positionable in the 'X' axis, and containing individual 'Z' controls. Further, the microscope glides over the fixture mounting area and then locks into position.

A lead screw driven stage option provides the additional versatility for work height accuracy and precision required by populated PCBs and difficult areas to be tested on both front side and back side board locations

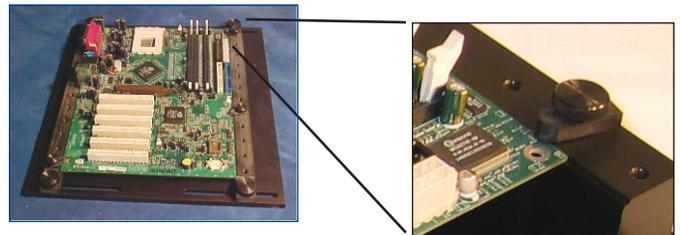
The platens will each support up to 8 manipulators depending on model selected. Manipulators and probe holders are available to accomplish a variety of probing tasks.

1920-BS-FRX
Face-down Fixture



Face-up or Face-down
Board Test Fixtures

1920-FS-FRX
Face-up Fixture



Local Sales Representative

