

**Originally conceived as an application board probe station,**  
The Model 2210 probe station not only fulfills that application but has expanded and grown to become most versatile probe station available today.



The **2210-LS-FS8-A** Probe Station  
shown equipped with the **2210-LS-T-**  
**ADPT** Application Board Temperature  
adaptation unit

The 2210 excels as an application board prober using the 2210-SSA-10 application board holder. It is the only probe station in the world (patented!) that can allow users to probe application boards at low and high temperatures when used with the 2210-LS-T-ADPT Application Board Temperature adaptation unit:

#### **2210-LS-T-ADPT**

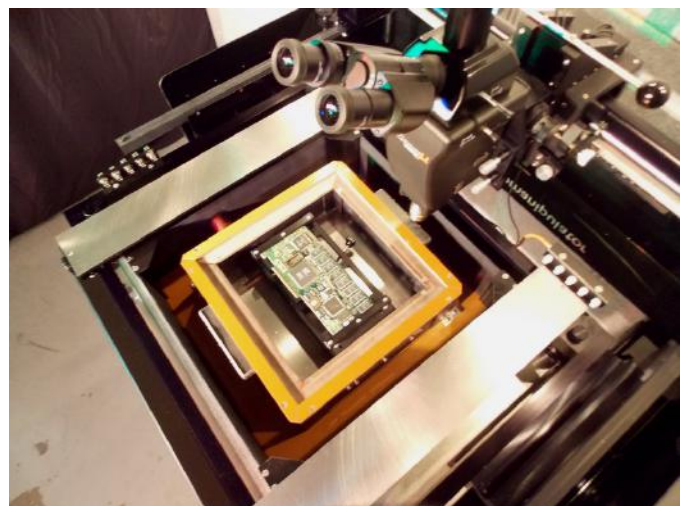
- \* Temperature adaptation unit for 2210-LS-FS8-A.
- \* Accepts boards up to 10" square. Custom application board holders may be ordered separately
- \* Thermal range 0-85 degree C (**lower temps now in product development!**)
- \* Temperature at DUT +/- 2-degree C
- \* Includes 1.5" square probing port
- \* Includes thermal forcing unit input port
- \* Includes universal feedthrough port for application board cables
- \* Requires customer supplied temperature forcing unit (example is an FTS ThermoJet system).
- \* Forcing unit supply must have a dew point low enough to prevent surface condensation at below ambient temperatures.
- \* Order part holder separately: recommended is 2210-SSA-10 (up to 10" boards), 2210-EVS-8 ambient wafer chuck (8", 200mm) is also available.

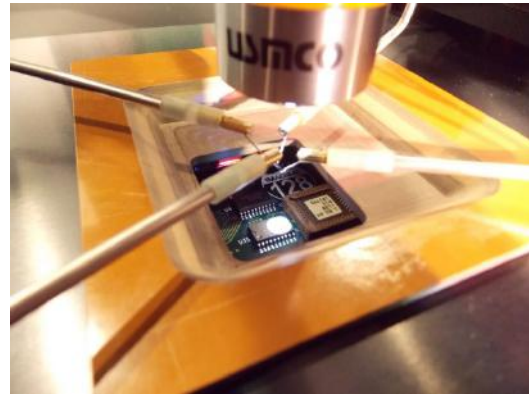
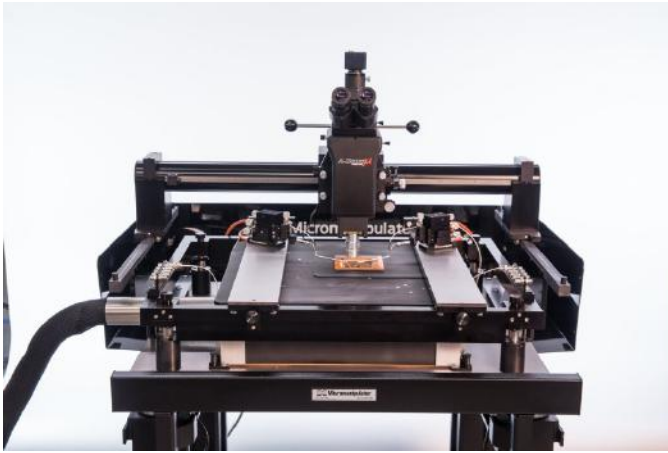
The 2210-SSA-10 holds application boards inside the temperature adaptation unit or externally (with a vacuum pedestal base) on the 2210 when the temperature adaptation unit is removed.



#### **2210-SSA-10**

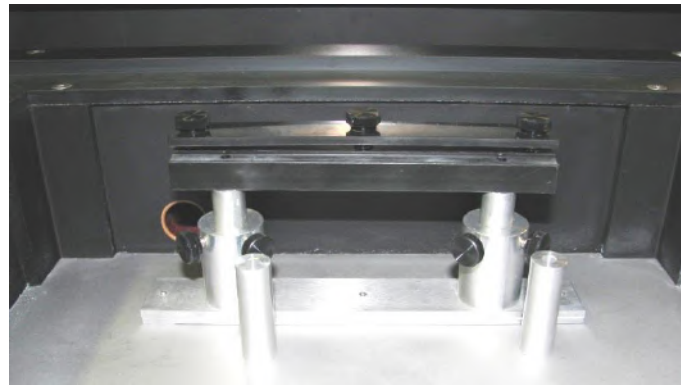
- Circuit board holder for 2210
- \* Accepts boards up to 10" square. Custom application board holders may be ordered separately
  - \* Includes mounting ring for use with 2210-LS-T-ADPT
  - \* Includes single vacuum pedestal base for use without 2210-LS-T-ADPT
  - \* Supports boards via edge clamp at ends of holder superstructure





Custom Sample Holders are also available. This is an image of the

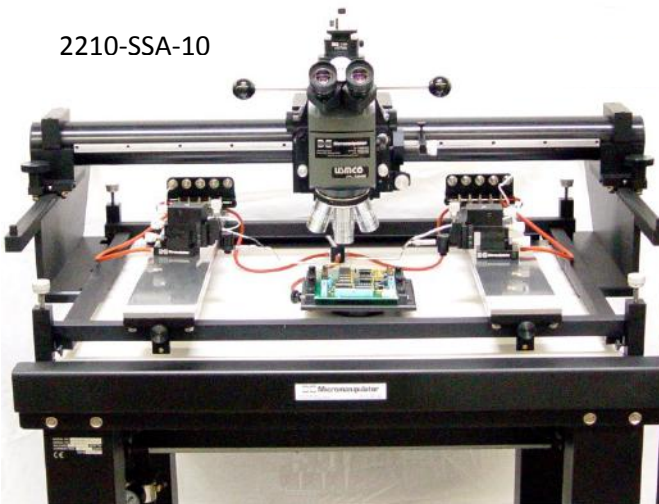
**SPP20150901-B** Special Circuit Board holder featuring separate clamping rails mounted on magnetic base posts to provide flexibility of board size and height within the 2210-LS-T-ADPT



**The model 2210 station can be used to probe application boards without the Temperature adaptation unit if desired.**

Here it is shown with the 2210-SSA-10 board holder mounted on the table top on its vacuum pedestal base and then with the 2210-PCB-TWR universal board mounting option. Both of these may be used interchangeably with the 2210-LS-T-ADPT Temperature adaptation unit.

2210-SSA-10



2210-PCB-TWR



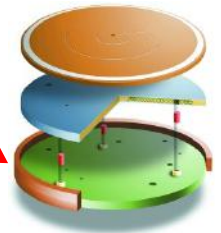
### **The 2210 can even become a Wafer Prober!**

Add one of our chuck options 2210-EVS-8 (8" - 200mm) or 2210-EVS-12 (12" - 300mm) to probe wafers. The chucks mount on a stable vacuum pedestal base and access to the entire wafer is provided through manual repositioning of that base, manual position of the 2210 platens and use of the large area microscope movement of the 2210 station.

Thermal chuck options are also available. Micromanipulator's model H1000 thermal chuck series is built with a cooled radiator under the chuck to protect the table of the 2210 from excessive heating.



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### **All above options are inter-changeable and upgradeable.**

- Start with a 2210 station with the 2210-PCB-TWR holder or 2210-SSA-10 application board holder
- Add a 2210-EVS-12 wafer chuck to allow you to quickly reconfigure the station to probe wafers
- Add the 2210-LS-T-ADPT Temperature adaptation unit to probe adaptation boards at temperature. This unit may be placed on and removed from the 2210 table as desired.

**The 2210 is the most stable, convenient and flexible probe station ever invented!**