

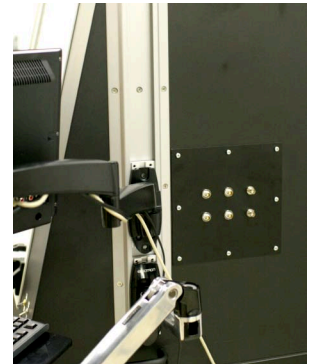
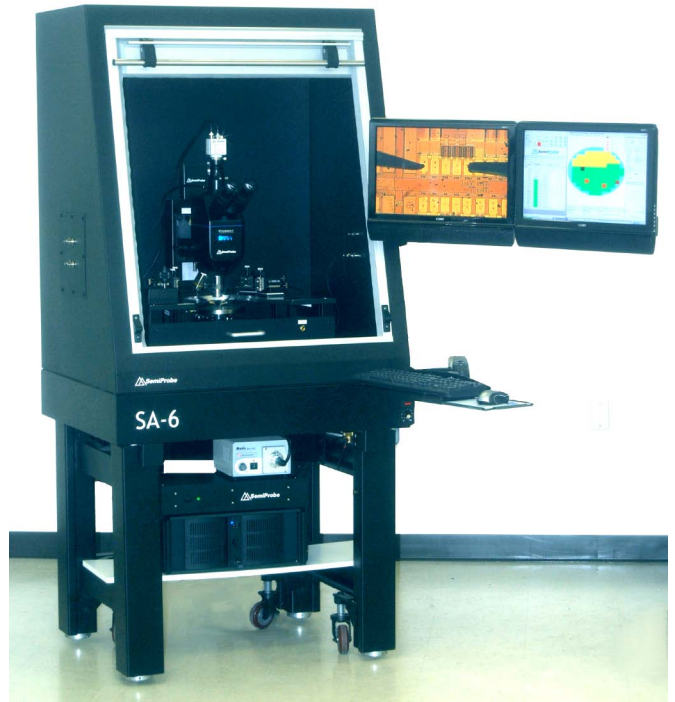
ROLL TOP DARK BOX



DATA SHEET

The SemiProbe Roll Top Dark Box provides the user a clear visual path to instrumentation and controls located outside and adjacent to the system. The unique design of the roll top integrated into the enclosure insures easy access to the probe system and test instrumentation controls while minimizing its operational footprint and conserving expensive lab space. Further, unlike other designs, during set up, the user has full access to the prober and test equipment controls. When closed, a secure latch insures that the device under test (DUT) is completely shielded from any outside light. Safety interlocks can also be added to prevent the door from opening during applications involving lasers and high voltage/high current test instrumentation.

SemiProbe has applied its adaptive, modular Probe System for Life (PS4L) design philosophy to accommodate a wide variety of configurations which can be easily modified as test requirements and lab space change. The SemiProbe roll top dark box is available in two configurations – integrated on a vibration isolation table or as a stand-alone system with a bottom that fits on existing lab benches or tables. When used with vibration isolation table the dark box is attached to a perimeter structure and is mounted onto the legs of the table. The probe system in the dark box is completely isolated from mechanical vibrations caused by touching the outside of the dark box. Purchased as a stand-alone system, the dark box has a full bottom and sits on a user-provided table.



OPTIONS & ACCESSORIES

Monitor and Keyboard Rack

The optional monitor and keyboard rack fits on either side of the dark box specified by the customer. Both racks are adjustable in height and swing to provide the best viewing and work position for the user.

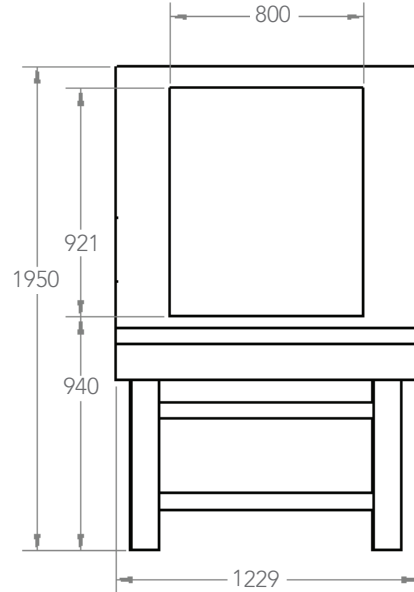
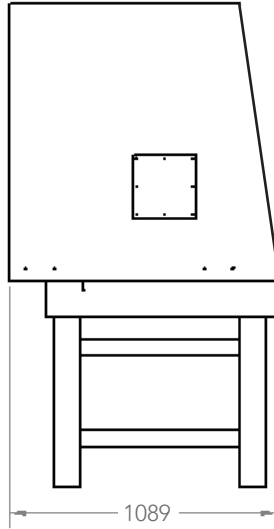
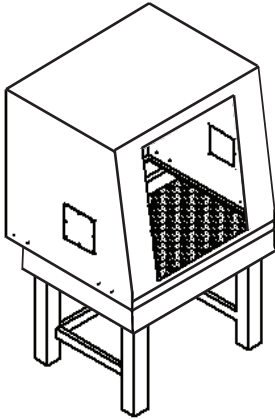
Light Trap

The back of the dark box has a light trap suitable for running the prober control cables, illuminator light pipe, thermal chuck cable/cooling lines and other optional equipment control cables that may be required depending on application.

Test Interface Panels

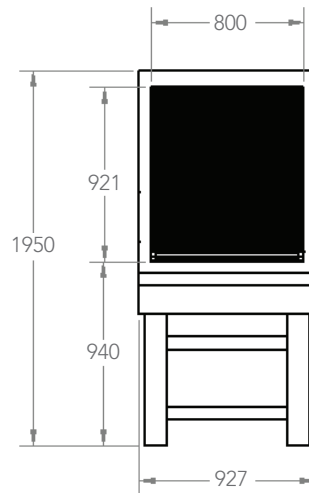
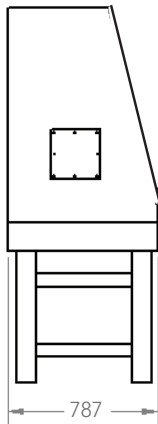
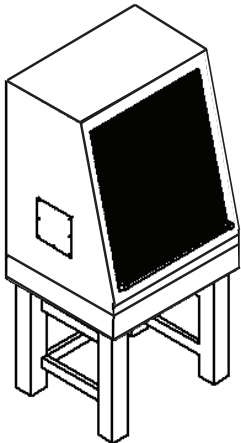
Removable panels on either side of the dark box can be ordered with any number of bulkhead connector types to connect signal lines. Coaxial and Triaxial connectors are most common, but virtually any connector type can be employed. These panels can easily be swapped within minutes to accommodate specific test instrumentation configurations.

300 mm Systems and Larger



All dimensions are in millimeters

Up to 200 mm Systems



All dimensions are in millimeters