RTI PRODUCT SOLUTIONS

752 Series - Vertical Compression Fixture for module and sensor test

PRODUCT OVERVIEW:
RTI’s 752 series benchtop manual test press consists of a durable steel and aluminum fixture base and interchangeable interface platforms. This press is ideal for larger pin count devices, glass touch sensors and PCB module testing. It offers multiple test sites for improved throughput and a variety of customizable contact methods.

PRODUCT FEATURES:
♦ Single fixture base works with multiple interface platforms for different projects
♦ Glass touch sensor contacts simulate the human finger
♦ Multi-test site interface modules
♦ Room for driving components and other active circuitry
♦ W:15” H:10” D:16” fixture base offers 4” of vertical travel
RTI RF FIXTURING SOLUTIONS

Combining RF Shielding with 752 Mechanical and Pneumatic Test Press

ADDITIONAL COMPONENTS:
RTI's 752 fixture has been incorporated into a variety of RF enclosures for both manual actuation and pneumatic actuation. This fixture can stand off of the benchtop to allow room for additional driver components rather than directly tethering to a measurement system through connectors on the fixture’s front end. The enclosure can also be sealed to allow for the UUT to perform under heated stress while measuring other metrics such as high power signal TX/RX. The enclosure can be customized for scale and make direct contact with the top and bottom of the UUT.

MODULAR PNEUMATIC ENCLOSURE:
The 752 can also be placed directly into an RF enclosure fit to size and operated pneumatically. This approach does not build the 752 fixture base into the RF enclosure allowing for the press to be removed for other projects. The enclosure can be expanded to include a separate chamber for driver components.

RF SHIELDED HIGH SPEED TX/RX:
RTI has created RF enclosures to reduce signal noise while measuring a variety of devices at different broadbands. The UUT communicates with a receiver inside of the enclosure that teathers out to the measurement system through a gasketed opening at the back of the fixture.
RTI TEST FIXTURE SOLUTIONS

752 Series Mechanical and Pneumatic Test Press

8 test site 752 Pneumatic Press
For Unpunched PCB Modules

8 test site
752 Mechanical Press
With Driver Boards Below in RF Enclosure

752 Pneumatic Press in RF Enclosure
PRODUCT OVERVIEW:

RTI’s 752 series bench top test fixture is ideal for multi site testing of glass and touch sensor modules. The complete fixture provides the contact interface for testing glass panel sensor modules but requires external test electronics to provide the stimulus required for complete sensor testing. Small spring pin blocks make contact to bare pads on flex PCB while a floating tray holds the glass in place. Openings in the lid provide access for human stimulation or floating gold plated aluminum pads can be installed in the fixture base to simulate multi-touch human interaction.

GLASS SENSOR FIXTURE FEATURES:

- Standard mechanical fixture base with interchangeable interface modules.
- Touch Adaptor plate provides contacts to emulate human interaction.
- Multiple connector types available for interfacing with tester/measurement system.
- LED pass/fail indicator lights installed below glass for easy test result feedback.
- Drop-in spring pin blocks on the floating tray can be customized and positioned to accept a variety of sensor footprint designs.