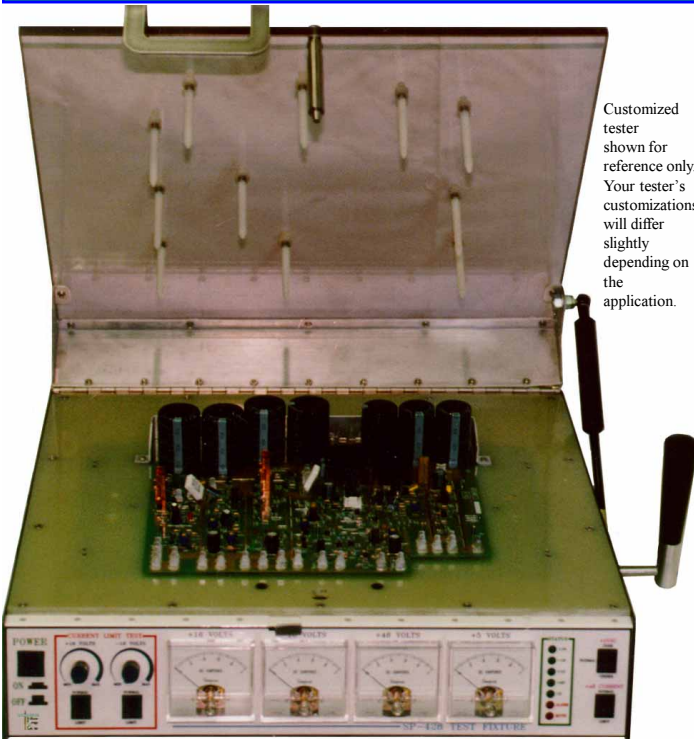


TEST ELECTRONICS' TE-2000 Test Fixture

High Performance Lever Actuated PC Board Test Fixture

Now combine the TE-2000 test fixture with National Instruments data acquisition boards and perform functional, in-circuit, or bare board testing right on your bench top!



Customized tester shown for reference only. Your tester's customizations will differ slightly depending on the application.

Front View

Shown here is the front view with the press plate closed. We pride ourselves in our neatly designed front panel layouts. We emphasize our Understand-it-at-a-glance motto for intuitive easy to learn operation.



Mechanical

The tester is comprised of 3 plates.

The top hold-down plate, the surface plate, and the internal plate.

1. The top plate swings up to allow a circuit board to be inserted.
2. The surface plate holds the tooling pins, and shrouds the spring loaded test pins. This shrouding improves the pointing accuracy above the pins ratings.
3. The internal plate holds the spring loaded test pins and presses them against the board under test when the handle is pulled.
4. Patented low cost stainless steel anti sway bar system keeps the plates parallel within .001" / linear ft.



TE-2000 PC Board Test Fixture

Order Test Fixture # TE-2000

Test Electronics will customize the TE-2000 bed of nails style test fixture for your circuit board and test application. Next, add a desktop or rack mount computer, plug in the National Instruments Virtual Instrumentation boards and software. This will create a complete full performance cost efficient functional, in-circuit, or bare board tester.

Simple 3 step operation

1. Insert the circuit board under test in the tester
2. Close the Clear Lexan top cover
3. Pull the lever.

Spring loaded test pins mounted on an internal plate raise to make contact with the circuit board under test.

Test system compatibility:

- ✓ Windows NT/98/95
- ✓ Windows 3.1
- ✓ DOS
- ✓ Mac OS

Test Electronics, a leader in test fixture technology has teamed up with National Instruments a leader in Virtual instrumentation to bring you high quality cost effective solutions to functional, in-circuit, and bare board testing!

The PCI-6071E DAQ Boards shown here are products of National InstrumentsSM



Inside View

This view with the bottom panel removed shows the easy accessibility provided in our fixture designs. In this example of a functional tester, an internal power supply powers the board under test.



Low speed signal and data pins are wire wrapped to the appropriate rear panel connectors where they are cabled out to an instrument board. Higher speed signals, and noise sensitive signals are wired with twisted pairs or coaxial cable. All wiring is neatly bundled for easy troubleshooting and modification. Extreme care is taken in the manufacture of all plates. All plates are precision ground, buffed to a high gloss, center drilled, then finally, drilled to an accuracy of 1/10 of a thousandth with carbide drill bits running at 20,000 RPM under high pressure coolant. Receptacles are then inserted and swaged with a custom built CNC machine providing an extremely high degree of perpendicularity exceeding 1/1000" per linear foot.

Specifications

Maximum pin count	1000 pins
Estimated Life (operations)	1,000,000 cycles

Test Electronics, a leader in test fixture technology. Creating innovations in testing by utilizing the latest high tech tools to their full potential.

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