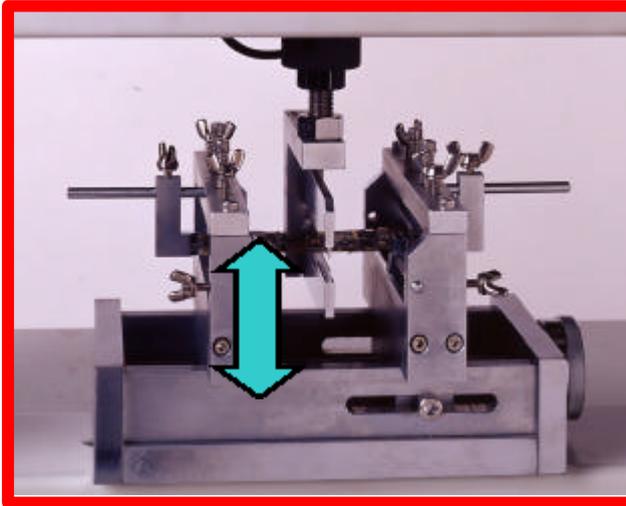


Custom Products Information No.2

With Autograph, cycle tests can be run for 100,000 cycles!



Substrate bending cycle test jig



Autograph

Do you sense that product reliability is a bigger issue than ever?

Considering product application environments, durability needs to be evaluated to about 100,000 cycles. This system not only performs regular strength testing, but also can perform cycle testing to a maximum 100,000 cycles.

* Features

1. Fatigue and static testing can be performed with a **low-cost** system.
2. Cycles can be controlled with a **large stroke**.
3. Tests can be performed in **desired environments** using a thermostatic chamber
4. Data can be processed at specified cycles using the **specialized "Trapezium2"** software.
5. Test status can be monitored with a **remote monitoring feature**.

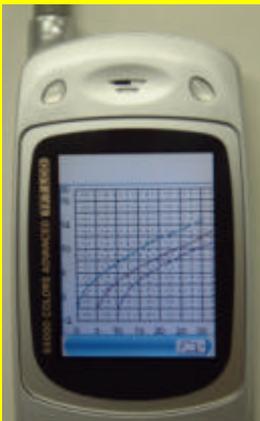
* Specimens

Three- or four-point bending of printed circuit boards, cyclic pushing of switch buttons, inserting and removing connectors or PC cards, resins (tensile and compression), rubber (tensile and compression), cable bending, keyboard key pushing, finished product three-point bend testing (cell phones, etc.), and so on.

*** Specifications**

Load Capacity (*)	1N - 250kN (19 models are available, corresponding to capacity requirements.)
No. of Cycles	100,000 cycles (a test force or displacement value can be set as a return point)
Test Rate	0.0005 - 1000 mm/min (0.0005 - 500 mm/min for the 250kN model)
Software (Windows XP)	<p><Data processing cycle selection features> Test cycles can be set as desired (e.g. at specified intervals or by separating on the log) and the testing rate can be slowed down for specified cycles only. Thus static testing can be performed concurrently with fatigue testing. (Steps do not need to be changed.)</p> <p><Data output that makes post-test processing easy> Data is divided into sizes that allow easy processing using commercial applications such as MS-Excel and saved as CSV files. (Data for recalculation is also stored.)</p>

- * Maximum load capacity is 80% of load cell rating. (80N for a 100N rating)
- * We can make systems capable of more than 100,000 cycles.
- * We can make systems for even faster testing.



What is remote monitoring?
 Intermediate test results and graphs are sent automatically via email to cellular phones or computers. This is great for long tests!



System using thermostatic chamber (Temp. range: -180 to 320°C)

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