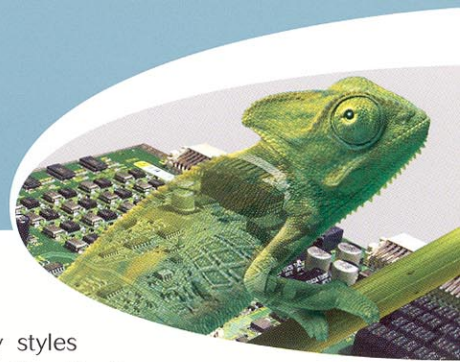


5800

*"...change your configuration,
to suit your environment".*



5800 - Multi-Configuration Multi-Functional Test System



The 5800 series is designed to meet the ever-changing needs of today's fast evolving PCB manufacturing environment. Building on Aeroflex's long history of producing functional and in-circuit test machines, the 5800 combines both methodologies. The addition of PXI further increases the flexibility of this series of machines by enabling the user to implement solutions using not only Aeroflex PXI cards but also cards from any PXI manufacturer.

The 5800 has been developed in response to market demand for a truly affordable and reconfigurable test system. This new product has configurable software, hardware and pinface styles to accommodate low cost, analog in-circuit test, through to high integrity functional testing.

Software Environment

A new Aeroflex integrated test environment has been developed for this product which enables the user to use and control both Aeroflex and third party instrument cards. In addition the user can program in a number of industry standard languages, such as Teststand, Visual Basic or C+. In short anything .NET compatible.

Body Styles

The three different body styles add to the versatility. Whether it's floor standing, benchtop or rack mounted, the common core of a 21 slot rack, National Instruments MXI controller and a power and utilities card, remains the same.

Floor Standing - The floor standing 5800 has the core inclined from the horizontal to present the user with an ergonomically optimized system and also provides a bed of nails style interface to the fixture. A mechanical locking mechanism pulls the fixture down onto the interface. The system provides independent dual-well vacuum control to connect the test subject to the fixture. Each floor standing system is provided with 3 programmable user supplies and an industrial PC, running Windows XP, which is mounted inside the system.

Benchtop - This shape provides the same common core system but in a lower cost package. The Aeroflex instrument cards are interfaced to the test fixture by means of interconnecting cabling.

Rack-mounted - This builds the core system into a 19" rack for further test flexibility. The Aeroflex cards can then be cabled to an industry standard interface of the user's choice and further integrated with additional test resources that are not available in PXI format.

- *Maximum of 3456 Analog ICT Test Points*
- *Windows XP Operating System*
- *Computer Assisted Program Generation Software*
- *Three Body Styles*
- *PXI Compatible*
- *21 slot backplane*
- *Open software architecture (Anything .NET)*
- *Maximum of 1152 digital testpoints*