

Product Capabilities



ATE- Automatic Test Equipment

Inheriting Marconi Instruments' and IFR's reputation for quality, reliability and innovation, Aeroflex has maintained a cutting edge position in ATE manufacturing test solutions. With well-established electrical test systems and more recently a multi-strategy test platform, Aeroflex continues to be well placed to test the complete range of circuit board technology. Aeroflex's support infrastructure is designed to provide the support required by today's printed circuit board manufacturers and their global operations.

5800 Series - Multi-Strategy Test System

The truly affordable common core, multi-functional test system, combining Aeroflex mixed signal, analog functional, digital functional and analog in-circuit cards with the added benefit of using any 3U PXI card.

- Common core concept
- Scalable, with up to 3,456 test pins per system
- Use any Microsoft .NET compatible programming language
- Highly configurable test platform MDA to functional unit test

Available in three body styles:



5820 - Benchtop System, 5830 - 19" Rack Mounted,
5850 - Floor Standing

- In-system programming
- Boundary scan
- Vectorless test

4200 Series – In-Circuit Test System

The advanced manufacturing test system that provides a wide range capability for all your in-circuit test requirements.

- Maximum of 2,048 universal test pins
- Multiplexed or Non-multiplexed test pin cards
- Boundary scan
- Single box solution

Available in two models:



4230 - 19" Rack Mounted, 4250 - Floor Standing

Aeroflex Card Suite Functionality

- Analog and digital in-circuit
- Analog functional

5200 Series – Analog In-Circuit Test System

The cost effective test system that provides high speed, high accuracy analog in-circuit testing.

- ICT accuracy at MDA speed
- Up to 2,112 test pins
- Up to 1,200 tests per second
- Optional dual-vacuum control

Available in the following model:



5220 - Benchtop System

Aeroflex card suite functionality

- Analog in-circuit

Aeroflex Manufacturing Test Products

- 5800 Series - Multi-Strategy Test Systems
- 4200 Series - In-Circuit Test Systems
- 5200 Series - Analog In-Circuit Test System
- i-Base⁵ Test Area Management Software
- Applications – In-Circuit, Functional and Custom
- Service and Support

A passion for performance.

Applications – In-Circuit, Functional and Custom

System Capability

Aeroflex has considerable experience in building a large number of test systems covering a wide market sector including full system design, test definition, build to print, from DC to Microwave. In addition, Aeroflex can provide anything from module development to full turnkey test solutions for all ATE platforms.

Open Hardware Standards

Aeroflex has experience in providing test solutions based on the following technologies:

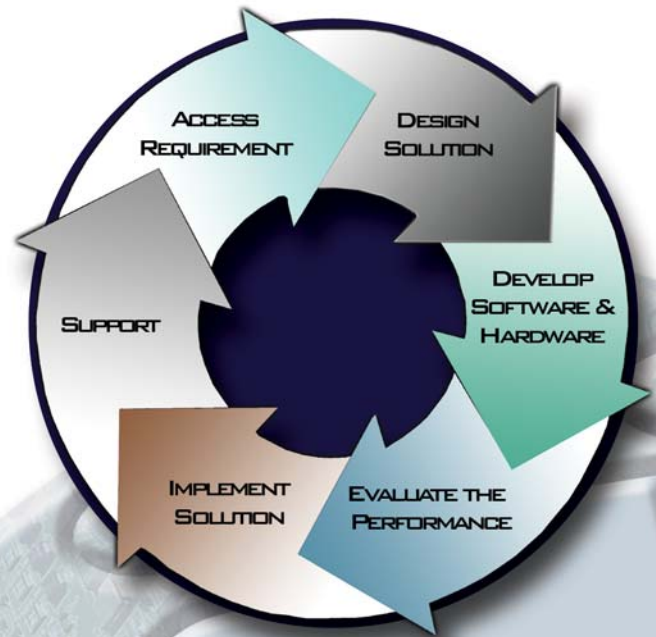
- PXI
- VXI
- VME
- PCI
- Rack & Stack
- Aeroflex ATE Platforms

Aeroflex will not limit you in your choice of hardware. Aeroflex believes in a multi-vendor approach to instrumentation and is open to include third party instrumentation to provide the best solution.

Open Software Standard

Aeroflex can provide test solutions using any of the leading tools available today and is happy to offer guidance on the best software architecture to suit your particular application.

- LabWindows CVI
- LabView
- Boundary Scan
- Test Stand
- C++
- HP VEE
- Visual Basic
- Computer Aided Program Generation (CAPG)
- AIDE (5800 Series)
- MTL (4200 Series)
- TPG (5200 Series)



Tel: USA [+1] (316) 522 4981 • Toll Free: 800 835 2352 (US only)
Tel: Europe [+44] (0) 1438 742200 • Freephone: 0800 282388 (UK only)
Tel: APAC [+852] 2832 7988

Email: info-test@aeroflex.com
Web: www.aeroflex.com