ATE / TIU / TPS

Automatic Test Equipment, Test Interface Units and Test Program Sets

AXISCADES
Inspired Solutions. By Design

Automatic Test Equipment, Test Interface Units and Test Program Sets

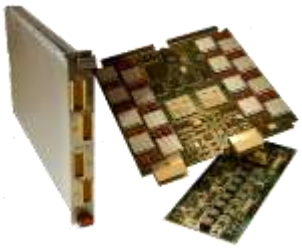
AXISCADES is a pioneer in Test Solutions and has a long pedigree in developing Test Systems. AXISCADES has designed and developed Automatic Test Equipment, Test Interface Units/Interface Test Adapters and associated Test Program Set Software for Indian and Global, Aerospace and Defence OEMs and End Users. AXISCADES undertakes both Built to Spec and Built to Print assignments. The core team possess decades of experience in Test & Measurement Systems and Systems Integration on multiple platforms.

Activities

- Design, Development, Production and Integration of Automated Test Equipment (ATEs).
- Design, Development, Production and Integration of Test Interface Units (TIU) or Interface Test Adaptors (ITAs).
- Design, Coding and Testing of Test Program Software (TPS).
- Integration, Validation, Installation & Commissioning of the entire systems.

Automatic Test Equipment

- Based on the Core ATE Concept.
- Modular and Scalable Architecture.
- Reliable and Maintainable components and systems.
- Production in compliance with IPC600/610/620 standards
- Capabilities to test Digital, Analog, RF, Microwave, various communications and power signals.
- Built to suit sub systems - Communication rack, Interconnection Rack, Power Supply Rack, Safety Rack, Measuring Devices, Computers and Specific Cables.
- Defined to Perform configuration and specifications of critical components - Signal Generators, Data Acquisition System, Measuring Instruments, Switching Systems, Computing and Controlling Platform Communication Bus.



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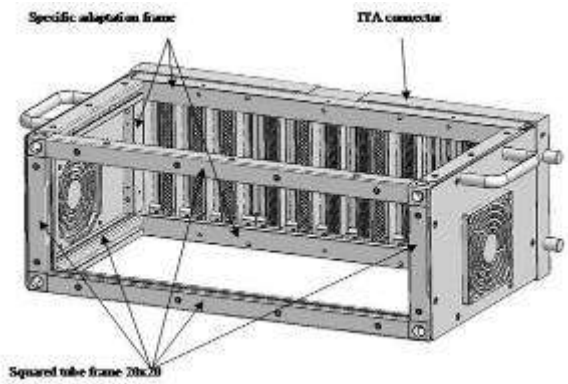

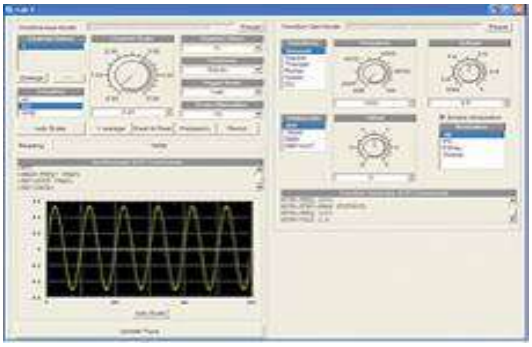

Test Interface Unit

AXISCADES undertakes Design, Development, Fabrication, Assembly, Integration and Indigenization of Test Interface Unit (TIUs) / Test Adaptors (ITAs) for Avionics LRUs.

The activities include - Hardware Design, Hardware Development, and Production of Mechanical parts, Fabrication, Cable Wire Harnessing, Assembly, Integration and Testing.

AXISCADES has supplied TIUs for Electronic Warfare, Radar, Communication, Navigation, Displays, and On board Computers and various other LRUs.

Test Program Set

AXISCADES has deep experience in Design, Development, Integration and Testing of Test Program Set (TPS) Software.

The work involves System Architecting, Design, Coding, Integration and Testing of Test Program Software (TPS) for various LRUs.

The detailed activities comprises of – Test Specification, Design, Coding of Test Software, Interfacing with Data Acquisition System, Measuring Instruments and execution of Test Modules under different configuration for Testing.

AXISCADES has developed the TPS for Avionics Displays, Electronic Warfare, On board Computers, IFF and various other LRUs.

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