

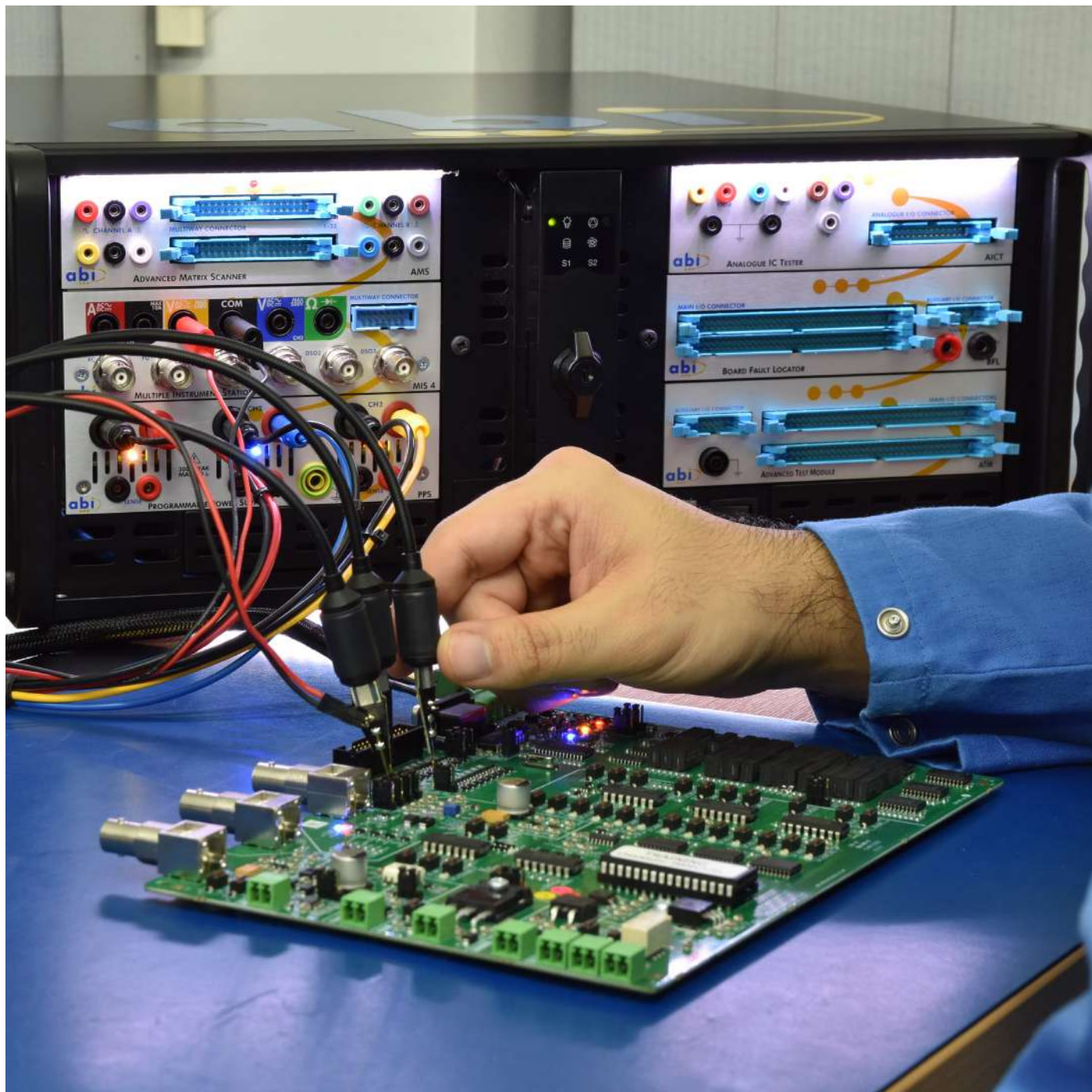


ABI Electronics

World-leading Test & Measurement Solutions
Since 1983

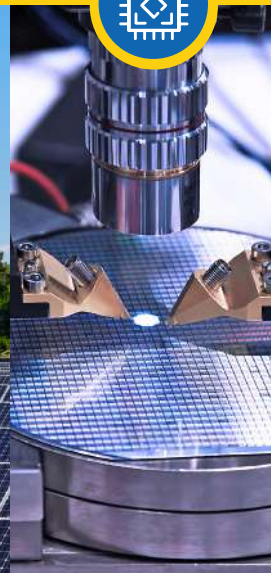


REPAIR DON'T WASTE





ABI Electronics offers unique, time-saving and flexible products, used by major companies operating in a wide range of sectors. ABI's fully integrated hardware and software solutions allow our customers to take control of their electronic maintenance requirements, automate quality tests and generate schematics for legacy equipment, to keep critical assets in operation for longer.





Equipped with a wide range of diagnostic instrumentation and ABI's TestFlow software, it allows for a variety of test methods to be executed and guarantees the best possible fault coverage for your technicians.

ABI's Universal Diagnostic Solution



Test and Diagnose Circuit Boards Using the BoardMaster's Range of Features:

- Component & board level testing
- Digital & analogue functional tests
- Power on & power off tests
- Multi-point measurements
- Automated test procedures
- User-friendly software
- Data logging and reporting
- Customisable instruments

Benefits:



More repairs in less time without added staff or inventory



Obsolescence mitigation through the recovery, repair and reuse of assets.



Independence from manufacturers for through-life support

Available In:



BoardMaster 19" Rack
(Optional Windows PC available)



5, 7 & 9 Bay USB Case
(Windows PC not included)





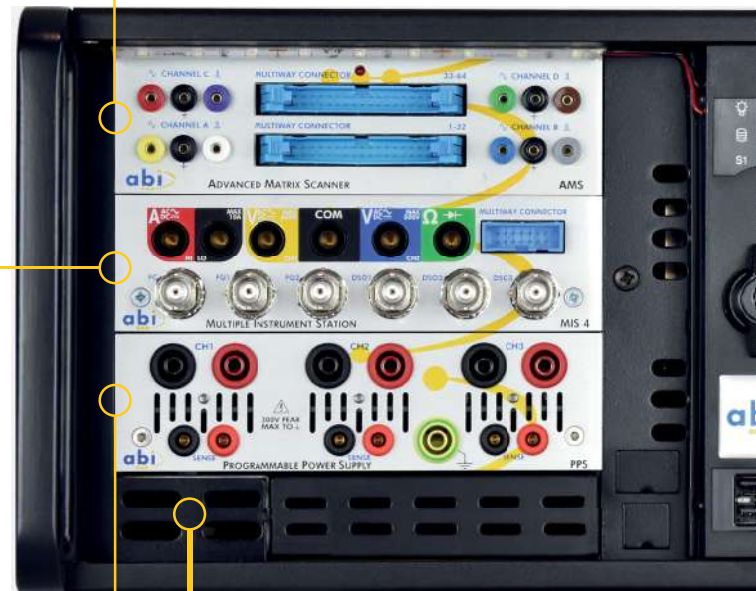
Advanced Matrix Scanner (AMS)

The Advanced Matrix Scanner uses an innovative approach to V/I signature testing, upgradable to 256 channels, the SYSTEM 8 AMS increases test coverage by varying the frequency of the test signal to observe the DUT's (Device Under Test) response over a wide frequency range. This can lead to finding faults not detectable with other instruments.



Multiple Instrument Station (MIS4)

The MIS4 combines a variety of high-specification test instruments, including an oscilloscope, arbitrary waveform generator, ammeter, voltmeter, ohmmeter, frequency counter, universal I/O, and power supply, into one compact module.



Powered by
SYSTEM 8

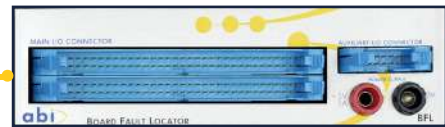
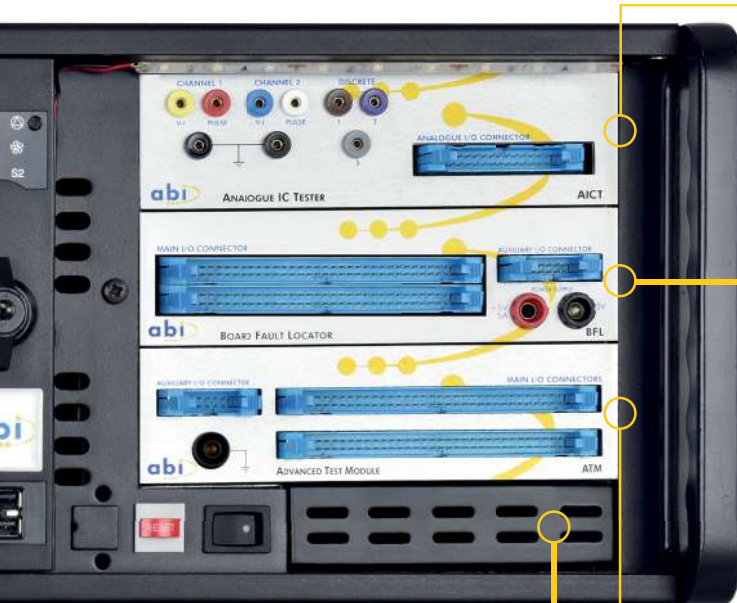


Programmable Power Supply (PPS)

The Programmable Power Supply (PPS) is our most ambitious power supply module developed for the SYSTEM 8 range. This scalable, versatile, 120W unit allows for low to medium volume production tests, +/- voltage driving and measuring, and predictive/corrective troubleshooting.

Analogue IC Tester (AICT)

The AICT allows in-circuit functional testing of analogue ICs and discrete components. All common analogue devices can be tested as they are configured on the PCB, such as optocouplers, transistors, opamps, and comparators. The AICT also includes a pulse generator to test gate-activated devices.



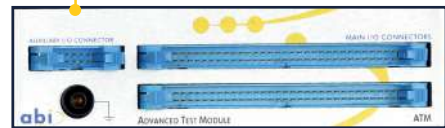
Board Fault Locator (BFL)

The BFL provides the ability to functionally test all common digital ICs in and out-of-circuit, as well as flash devices using the built in EPROM verifier. Upgradable to 256 channels, enabling live comparison of good and bad boards, this unit delivers a high level of fault coverage.

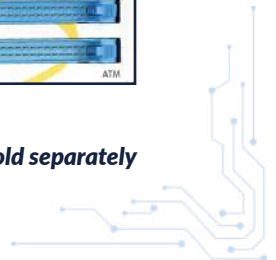
ULTIMATE

Advanced Test Module (ATM)

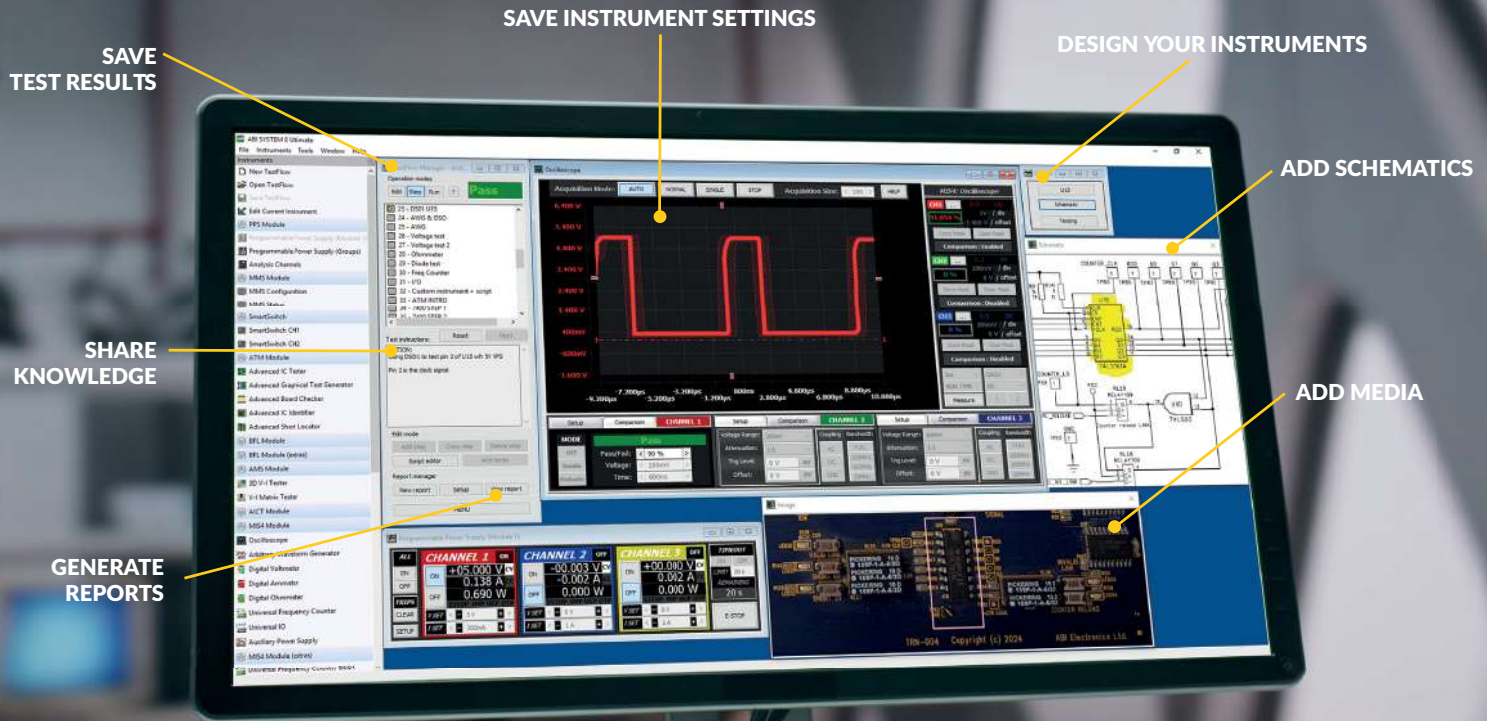
The ATM is a board-level testing solution designed to diagnose all digital ICs and PCBs from all logic families, including TTL, CMOS, LVTTTL and ECL. The module offers power on and power off tests, both in and out of circuit. With high specifications and up to 256 channels, the ATM is ideal for PCB testing under power-on conditions.



Modules not sold separately



Software



ABI equipment comes complete with our user-friendly, multi-license SYSTEM 8 Ultimate Software, a Windows-based program, designed to operate our BoardMaster, RevEng and Multiplexed Matrix Switch products. Our customers benefit from free lifetime updates and a range of customisable features and user access control.

Testflow Report



The TestFlow Manager is a step-by-step sequence generator that guides operators during fault-finding, predictive maintenance or diagnostic processes. The TestFlow greatly reduces the risk of inaccurate measurements and automatically saves all test results on a customisable report, accessible wherever you are.

Multiplexed Matrix Switch (MMS)

A 16x16 matrix interface that offers 256 cross points to connect any channel from your SYSTEM 8 instrumentation to any test point of your PCB with up to 16 unique paths at a time.

NEW
PRODUCT
2018



SYSTEM 8
MMS

Works exclusively with
ABI's Range of test
instrumentation.

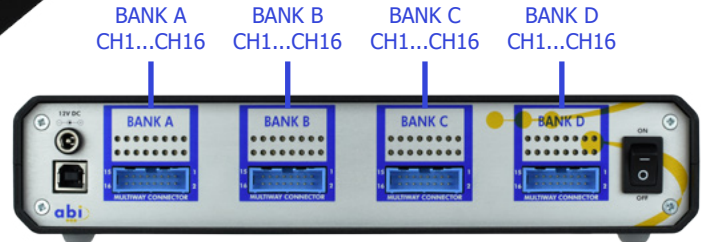


LEARN MORE

FRONT VIEW



REAR VIEW



Cost-effective solution for
semi & fully automatic tests

MMS BENEFITS!

- 1 STREAMLINE YOUR SET UP!**
Obtain high-level results without the need for programming
- 2 CREATE INTERACTIVE TEST SEQUENCES**
Automatic or semi-automatic test sequences with on-screen instructions targets and results
- 3 COMBINE MMS + SYSTEM 8 RANGE**
Reduce drastically both test set up time and execution
- 4 REDUCE COSTS!**
Much cheaper than a traditional ATE, PXI or LXI instrumentation
- 5 ACCELERATE YOUR TEST EXECUTION**
Establish standardised test routines & fault logging
- 6 WIDE VARIETY OF TESTS!**
Power off test, IC functional test, connection test, custom tests...



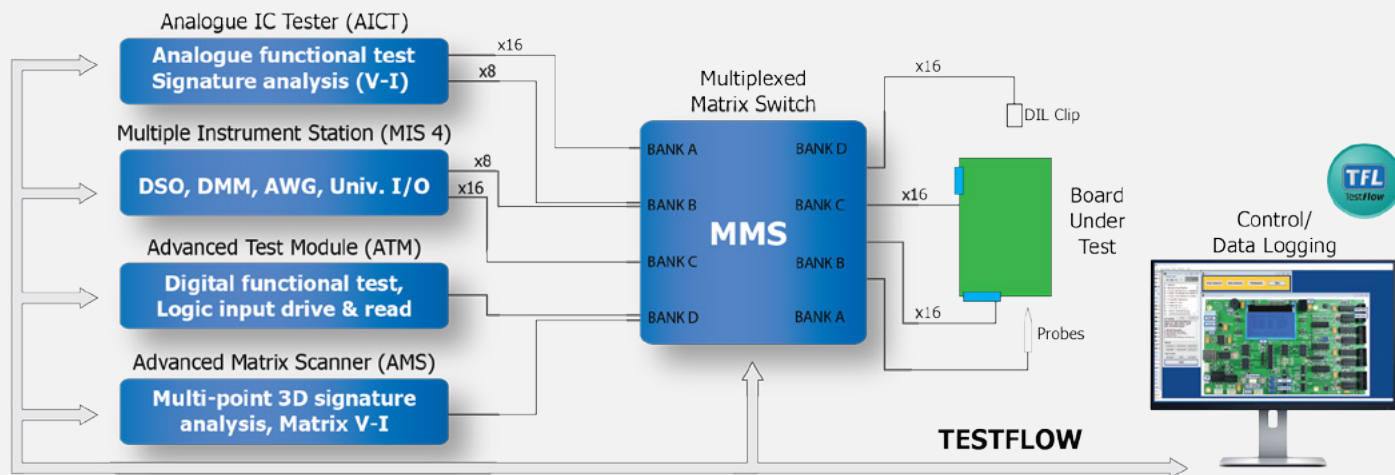
SYSTEM 8 Ultimate with MMS TestFlow



HOW DOES IT WORK?

Multiple units can be combined for high channel count applications.

MMS uniquely combines the capabilities of both **multiplexer** and **matrix switching** topologies.

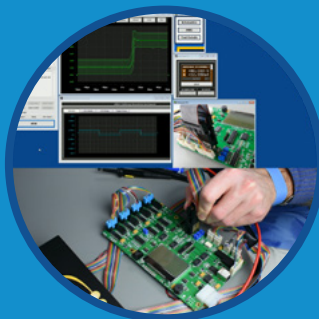


MMS APPLICATIONS!



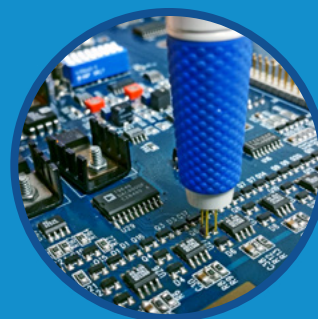
Low to medium volume functional test on components & complete assemblies

Automatic measurement & comparison of signals from up to 64 points on a circuit



PCB validation pre-repair, post repair and reporting facility

Signal routing for design verification and data acquisition requirements



Connect with us!



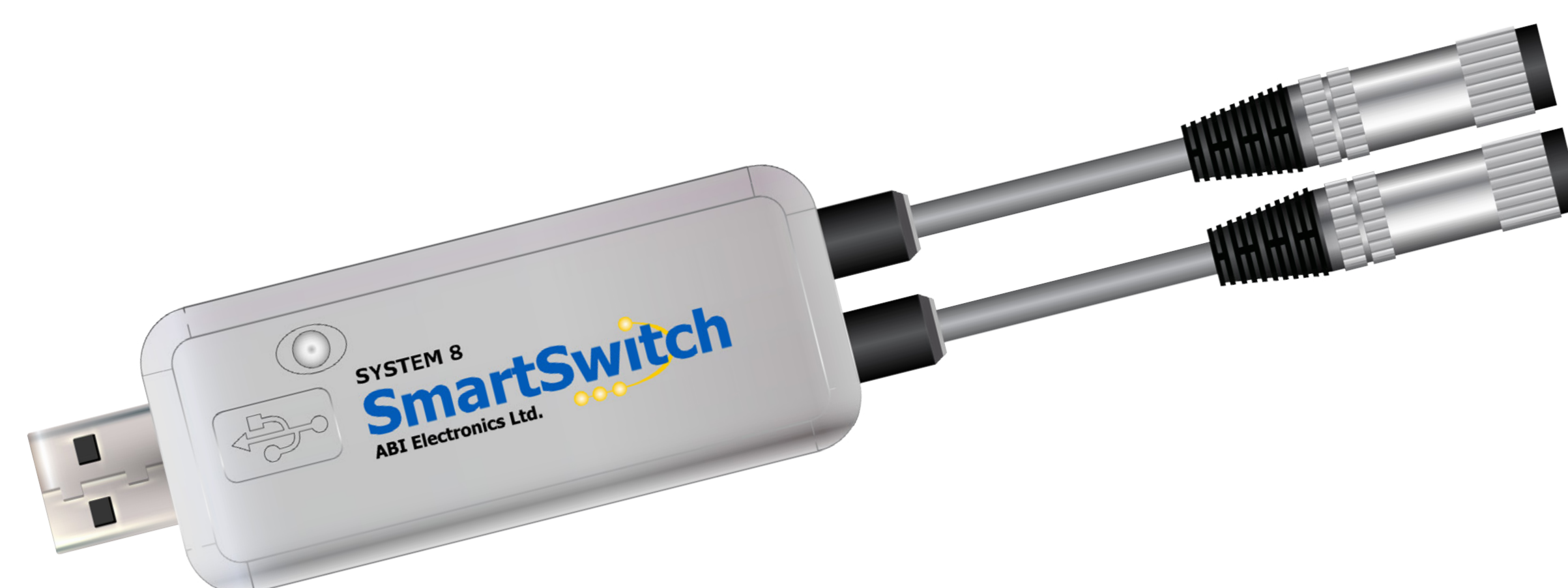
www.abielelectronics.co.uk

SYSTEM 8 SmartSwitch

An intelligent interface that speeds up
your test & repair process!

Fully programmable, 2 Channel USB interface that can take up to 4 switch inputs

Designed exclusively to work
with ABI's SYSTEM 8 Range.



SYSTEM 8 RANGE



.....much MORE than just a footswitch



When used within **ABI's TestFlow**, the SmartSwitch setup will automatically be recorded and recalled.

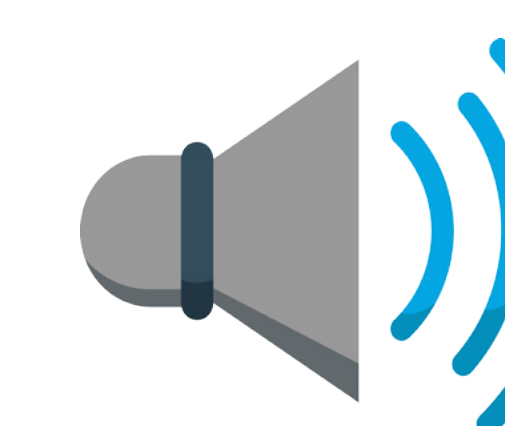
NEW
PRODUCT
2018



WATCH VIDEO



NO
mouse
needed!



Select, save & recall
your test procedures!

Keep your **hands free**
to **focus** on the PCB



Connect with us!



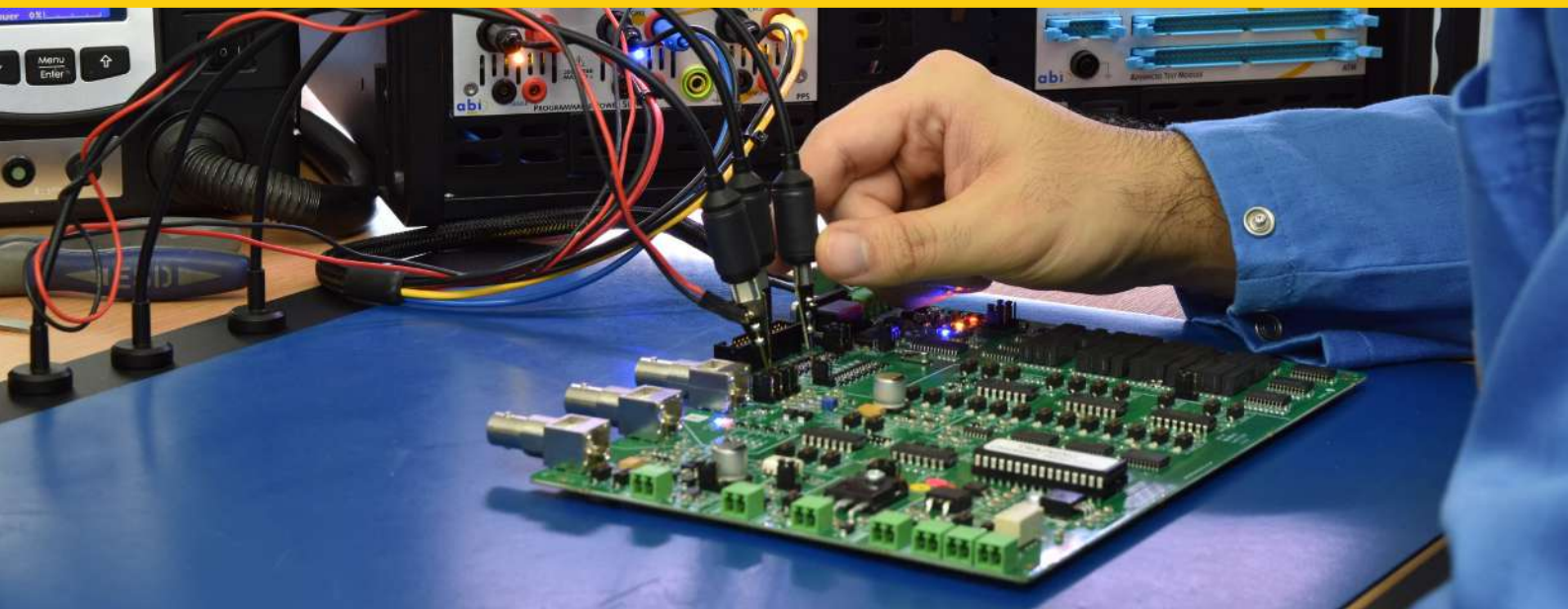
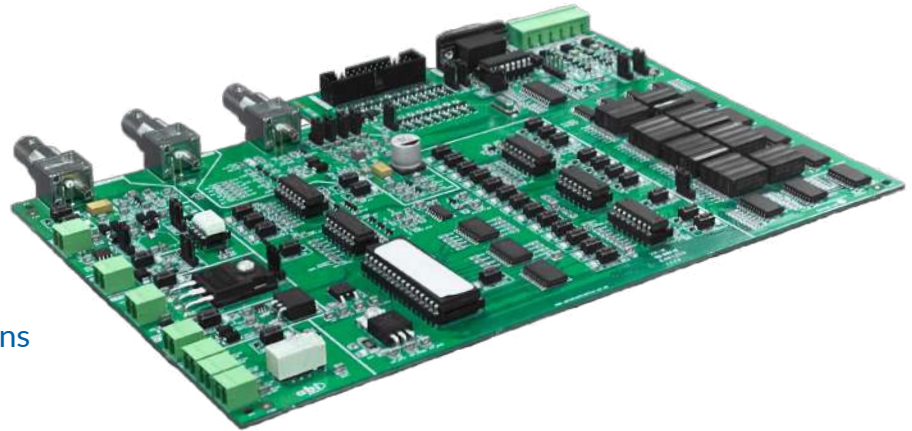


Training Board

Our versatile training package provides a comprehensive understanding of our powerful repair solutions, the BoardMaster and RevEng, and their extensive features. With over 150 learning functions, it provides a variety of programmable circuit board fault conditions to test and develop your electronic repair skills.

Features:

- Digital fault conditions
- Analogue fault conditions
- Automatic calculations
- PIC controlled operation
- Waveform and signal comparisons
- Variety of training TestFlows



Accessories



ABI provides a wide range of accessories.



SOIC Clips



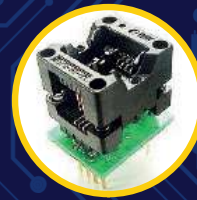
PLCC Clips



DIL Clips



EZ Probers



SMD Adapters



Pen Probes

For more information contact us at sales@abielectronics.co.uk

Focus on the Measuring Point!

The SmartSwitch is an accessory that allows technicians to maintain full focus when probing a measurement point. Actions such as running a test or stopping a test can be carried out using the SmartSwitch pedals, which are supplied with the BoardMaster.



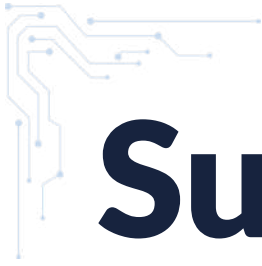
SYSTEM 8
SmartSwitch



Business Value

External repairs are costly and time-consuming, and when parts become obsolete, the whole system can be deemed unrepairable, forcing companies to buy new or upgrade large portions of infrastructure. Aside from this, there is also the environmental impact to consider, throwing away repairable PCBs as E-waste. ABI's offering allows for:





Support

We are here to help

Customer service is a massive part of our commitment to continued quality and product development. We always strive to provide quick and efficient support to our customers worldwide. Servicing, maintenance and upgrades are available for all our products.



Tech Support

Direct access for technical support needs from ABI's engineering team, based in the UK, and from our global distributors, to minimise system downtime.



Upgrades

Stay updated with free lifetime software and maintenance upgrade releases for all our products, including new features and bug fixes.



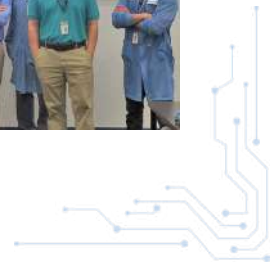
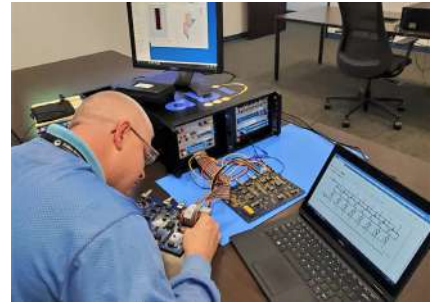
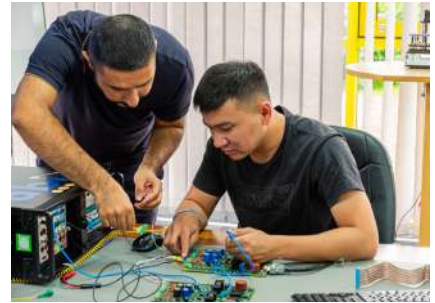
Quality Reputation

ABI Electronics is certified in accordance with the ISO 9001:2015 standard, based on a consistent, ongoing commitment to quality, professional fulfilment of duties and constant expansion and development.



Certified Training

We strive to meet our customer's training needs, offering a range of training courses and certification, complete with hands-on opportunities, which can be delivered in-house, online or on-site.





ABI Electronics Customers

ABI products are used globally for a variety of applications by companies operating in a wide range of industries from rail, automotive and aerospace to military, industrial maintenance and education, showcasing our solutions adaptability to any repair strategy.



ABI Distributors

More than 60 Distributors Worldwide



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