



ScanExpress™ Test & Programming Software

The [ScanExpress](#) suite of boundary-scan software offers a fully integrated development environment that includes boundary-scan and at-speed functional test program generation, test program execution with advanced pin-level diagnostics, interactive boundary-scan debugging, and In-System Programming (ISP) of devices such as Flash memories, Serial EEPROMs, CPLDs, and FPGAs.

The [ScanExpress](#) applications are modularized allowing the creation of custom-tailored solutions for any user. From full test development systems and production-only test stations to field service programming systems, flexible feature sets are available to suit any customer's requirements.

Third-Party Test Executive Support

Third-party applications can execute [ScanExpress](#) software using a DLL or a command line interface. APIs are provided for integration with custom applications or popular software packages including National Instruments LabVIEW and TestStand, Keysight VEE, and more.

Integration with ICTs, MDAs, and Flying Probe Testers

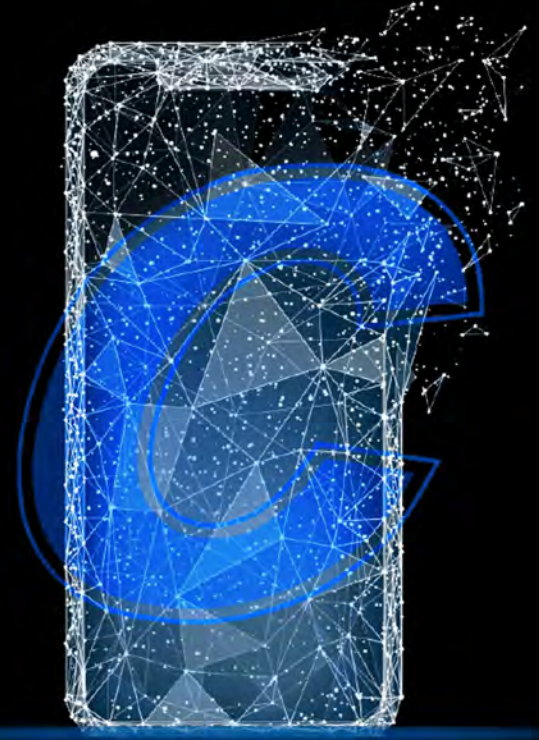
The ability to reuse test vectors during different phases of the product lifecycle saves time and reduces cost. Corelis offers integration paths with other test technologies, such as In-Circuit Testers, Manufacturing Defect Analyzers, and Flying Probe Testers.

Flexible Licensing

[ScanExpress](#) applications use the industry standard FlexNet licensing system for single user node-locked or multi-user network floating licenses. USB hardware keys are also available for additional convenience.

Support & Services

Corelis staff includes highly training test engineers to assist in successful deployment of [ScanExpress](#) software systems. Available services include boundary-scan test procedure development, Design-for-Testability (DFT) analysis, product training, and software support & upgrade contracts.



Corelis delivers test solutions that meet the highest standards of quality and reliability, which provide our customers' design engineers and test engineers with confidence and assurance that the products they develop will work.



Generation



TPG™

Intelligent Test Development

The intelligent Test Pattern Generator (TPG) provides an advanced, automated boundary-scan test design environment for the quick and efficient creation of complete boundary-scan tests



JET™

At-Speed Non-Intrusive Functional Testing

The JTAG Embedded Test (JET) software is designed to overcome challenges by automating the functional test generation process with execution that is capable of controlling microprocessors for at-speed testing of peripheral components.



DFT™

Test Coverage Analysis

The Design for Test (DFT) Analyzer is an automatic test coverage analysis application for printed circuit boards and systems that include a mix of boundary-scan and non-boundary-scan devices.

Execution



Runner™

Boundary-Scan Test Executive

Runner™ executes boundary-scan tests, isolates faults, debugs test programs, and performs in-system programming in a pre-planned specific order called a test plan.



ADO

Boundary-Scan Advanced Diagnostics Option

The ADO application is used in conjunction with Runner™ to automate failure analysis with boundary-scan test procedures in real-time and provides detailed reporting down to the net and pin level.



Viewer™

Visual Fault Diagnostics and Repair System

Viewer™ is a powerful, graphical fault-identification system that helps isolate the source and location of faults encountered during the manufacturing and test of Printed Circuit Board (PCB) assemblies.

Add-ons



Merge™

System-Level Interconnect Solution

Merge™ can be used to combine multiple target assemblies into a single boundary-scan compatible target system.



Programmer™

JTAG In-Circuit Programming Software

Programmer™ is a universal in-circuit programming tool that can program and verify Flash memories, serial, EEPROMs, CPLDs, FPGAs, and other programmable logic devices.

***Note:**
For indirect programming, ScanExpress Flash Generator may be required.



Debugger

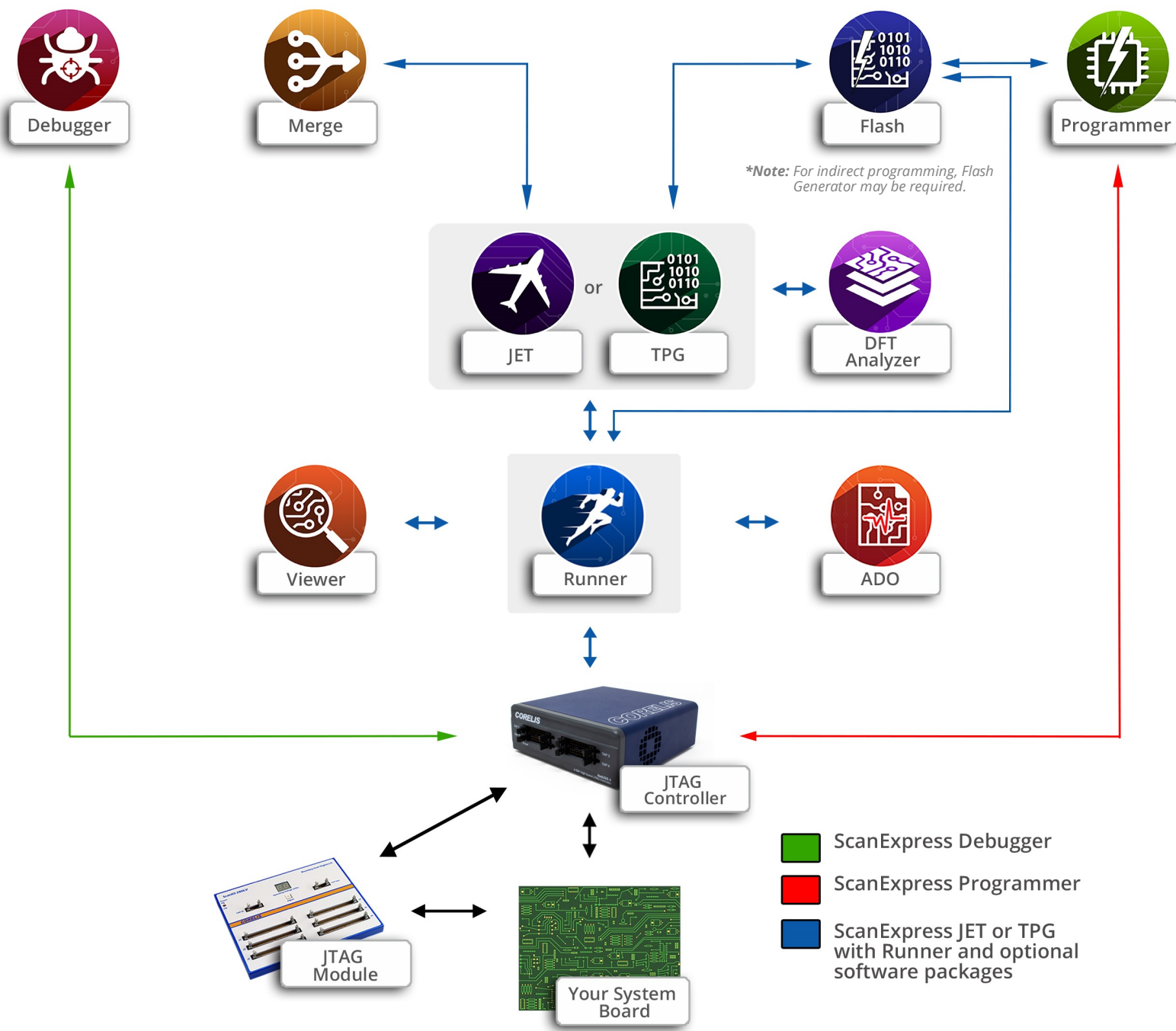
Boundary-Scan Interactive Analyzer & Toolkit

Debugger™ allows interactive control and observation of all the boundary-scan controllable inputs and outputs on a Unit Under Test (UUT) as well as a set of integrated Boundary-Scan utilities.

JTAG Boundary-Scan Test & Programming Software

ScanExpress Software Blueprint

ScanExpress Software is designed from the ground up to integrate, interact, and combine to form a cohesive and intuitive test and programming environment. Use the diagram below to visualize the relationship between different software components and design your own ScanExpress test strategy!



For more information about Corelis ScanExpress Software, please visit:
www.corelis.com/products/jtag-products/jtag-software/