

CAMI Research and Doyle Manufacturing Announce Integration Partnership Providing Low Insertion Force, Plug and Play, CableEye Test Interface Fixtures

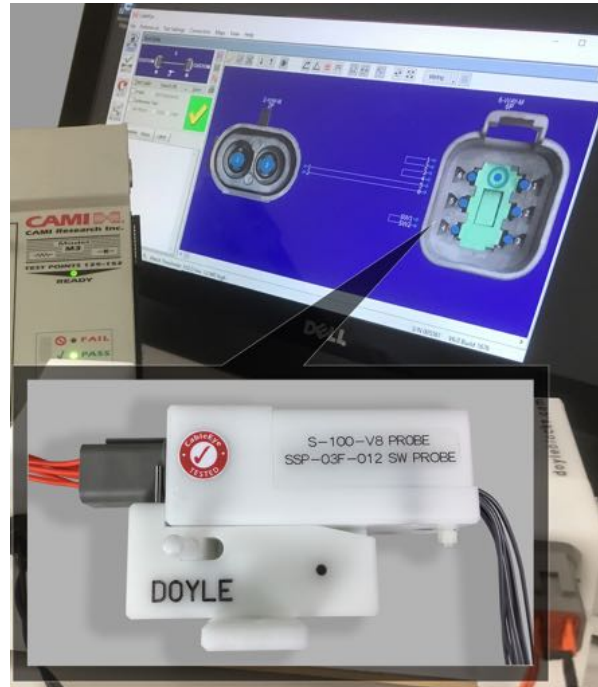
Oct. 7, 2019

CAMI Research Inc. (Acton, MA) and **Doyle Manufacturing Inc.** (Bristol, IN), have joined forces to offer the design and manufacture of low insertion force, CableEye test interface fixtures providing CableEye users with full plug and play solutions – mapped, electrically tested, and ready to use.

The Partners

CAMI manufactures CableEye, a highly versatile, expandable and upgradable, diagnostic and Pass/Fail check Cable and Harness Test System that's PC-based. It's used for assembly, prototyping, production, and QC of standard or custom wire cables and harnesses in countless applications such as Transportation, Energy, Medical Devices, Defense, Scientific R&D, Telecom, and more. The first CableEye tester was sold twenty-six years ago, and systems are now installed in thousands of locations around the world.

Doyle is a custom machine shop specializing in pogo pin test plugs, production connectors, and continuity testing fixtures. The products can be found on assembly lines and test stations across USA, Canada, and Mexico. Doyle has been serving the industry since 1989.



CAMI's CableEye M3U Test System Showing Wiring of Cable Connected to Doyle Manufacturing Low Insertion Force Test Blocks

The Technology

Testing continuity and quality of connections through to wire twist relationships and insulation quality, CableEye is a very flexible system offering a plethora of test interface fixture attachment strategies. CAMI sells standard and custom plug in boards, and offers a service for designing and building custom interface fixtures that frequently differ in form and fit from the standard plug in boards. All interface fixtures delivered by CAMI are designed to be auto-detected, plug and play devices for fast, convenient set-up and testing of any cable or wire harness. Built-in diagnostic tools enable the user to instantly see a schematic of the wiring and connectors under test on their computer screen.

An incredibly versatile test system, CableEye testers are expandable to accommodate large and complex harnesses, and users can connect and configure them in numerous ways — set up an array of QuickMount™ Housings fitted connector boards, plug custom interface cables directly into any of the 64 pin headers on the control and expansion modules, or use a test interface panel, perhaps on a rack-mounted system. Not just a tester, CableEye is a complete cable management system offering features not available on any other cable test

equipment, and will adapt to virtually any connector.

Doyle's core competency aligns perfectly with the need for low insertion force, plug and play, CableEye test interface fixtures. Doyle blocks are CNC machined for the highest quality and accuracy and are available with a range of functionality: Pneumatic release lock blocks and electric solenoid release lock blocks for quality assurance; part presence detection for secondary locks, clips, etc.; and step probes and push back switch probes for checking properly seated terminals. All of these block functions can be monitored and controlled by CableEye's out-of-the-box automation capabilities and, if desired, may be supplemented with audible tones, visual tower lights and more. API integration with other equipment is also possible – LabVIEW and .NET libraries are available.

The Partnership

Effective immediately, Doyle will begin offering value added services to CableEye users, providing design and manufacture of single or multi-block panels that are 100% electrically tested by CableEye and include a detailed test report. CableEye connector graphics files will be generated and included (for those connectors not already in the CableEye connector library) for professional quality graphic display of connectors and cables. Every pin in each block will be wired, permitting comprehensive troubleshooting (such as checking for all possible miswires) while making the block reusable with different harnesses using the same connector. Panels will ship with 64-pin headers and a custom CableEye map for auto-detect, plug and play operation. Customers can purchase an appropriate cable from CAMI Research to connect the panel to their tester (ribbon up to 500V, AMPMODU™ above 500V).

This service will appeal to any CableEye user with a need for low insertion force, plug and play test interface fixtures whether as a single block or a panel of many blocks, and especially to those customers who lack the time or skillset to design and manufacture their own. The markets for this service will be typically automotive and medical.

"It is my pleasure to announce that CableEye users can now contact Doyle Manufacturing to develop low insertion loss, plug and play, test interface solutions for their production environment. This partnership offers strong support for our businesses," said Christopher Strangio, President of CAMI Research Inc.

"The versatility of the CableEye system is impressive. We are excited to partner with CAMI Research and provide custom, user friendly, pogo pin test fixtures for CableEye users. I see this as a win for all parties," said Myron Miller, President of Doyle Manufacturing Inc.

Availability & Domestic US Pricing

Available immediately, CableEye-ready, low insertion force, test interface blocks start at \$120 plus service fee.

Contact doylemfg@doyleblocks.com or (574) 848-5624 for a quote.

All CableEye test systems are automation-ready and start at \$1,295.

Contact sales@camiresearch.com or (978) 266-2655 for a quote.

Note: Prices are USA only and subject to exchange rates, freight and import costs. Contact your local **authorized distributor** for local pricing.

CAMI Research produces expandable and upgradable diagnostic Cable & Harness Test Systems for assembly, prototyping, production, and QC of standard or custom cables. CableEye® Testers display, and document basic electrical properties such as continuity, resistance, capacitance, dielectric breakdown, insulation resistance, miswires, and intermittent defects.

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