



Figure 4 - Model 610 using punch paper controls.

The use of computers on the front end in the 1970s, along with technological advances in switch design and fault detection, greatly increased the speed of the test systems. The integration of integrated circuits in the 1980's greatly reduced the size and complexity of the units.

Throughout the 1990's and 2000's quality improvement highlighted the need for test equipment across multiple industries. The high scrutiny once relegated to military and aerospace manufacturing now existed in the automotive, industrial, computer, telecommunication, and even appliance industries. Constant quality improvement initiatives across these industries has driven the need for enhanced testing solutions.

DIT-MCO has met these challenges with a wide range of modular designs including handheld units, field deployable units (Fig 5), benchtop testers (Fig 6), and the highly configurable model 2650 which can be cabinet mounted or distributed around an aircraft to minimize the length of test adapter



Figure 5 - HT128 and Model 2635 Field Deployable Units.



Figure 6 - Model 2115 Benchtop Tester.



Figure 7 - Model 2650 in full aircraft test configuration.

cables (Fig 7). Additionally, a high concentration on software development and interface cables has allowed the company to excel at customer specific customization.

“The people we have working for DIT-MCO are the greatest asset we have,” says John Kusek, President and CEO. “The future is bright for DIT-MCO. We are partnering with the top companies of the world. And we have over 60 years of experience to draw from. I am confident our greatest achievements have yet to be seen.”

Ten Miles of Wire on the Wing

Flying 2.75 inch rockets in crews of 164, this Northrop Scorpion F-89D can down the largest bomber with a single blast.

DIT-MCO Analyzers Track Down Wiring Errors, Speed Production of F-89D Scorpion Jets!

Complex Cable Systems Are Tested In Seconds at Northrop Plant

Like all modern aircraft, this Northrop Interceptor is actually a flying electrical system. It depends on thousands of complex electrical circuits for every operation . . . from canopy to electronic aiming and automatic triggering equipment. Small circuitry errors could cause disastrous malfunctions.

DIT-MCO Model 200 Automatic Electrical Circuit Analyzers are on the job daily at Northrop, helping to eliminate wiring errors . . . both on the wiring jig boards and after harness installation in the airplane.

The model 200 is capable of checking 200 circuits, for continuity or short resistance, in less than a minute. Making these same tests manually would require 35,800 separate operations.

What's more, the analyzer never makes a mistake, it is so simple to operate that it almost eliminates human error, and it can detect minute flaws which no other machine or human can find. All this speed and accuracy is contained in a package so mobile that some manufacturers check as many as 50 different harnesses, with one machine, in a single day.

It's wasteful to tie up experienced quality control and production line personnel with monotonous, time-consuming hand tests. DIT-MCO does the job better and faster and allows personnel to devote more of their time to actual corrective measures.

The same tester in use on an entirely different cable assembly. Some manufacturers use one DIT-MCO Circuit Analyzer to check as many as 50 different harnesses in a single day!

If Your Product Involves Complex Electrical Circuitry, DIT-MCO Can Help You Make It Better and Faster, at Less Cost. Write Today for Full Details.

DIT-MCO

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Above photo is a DIT-MCO ad from the 1950's.