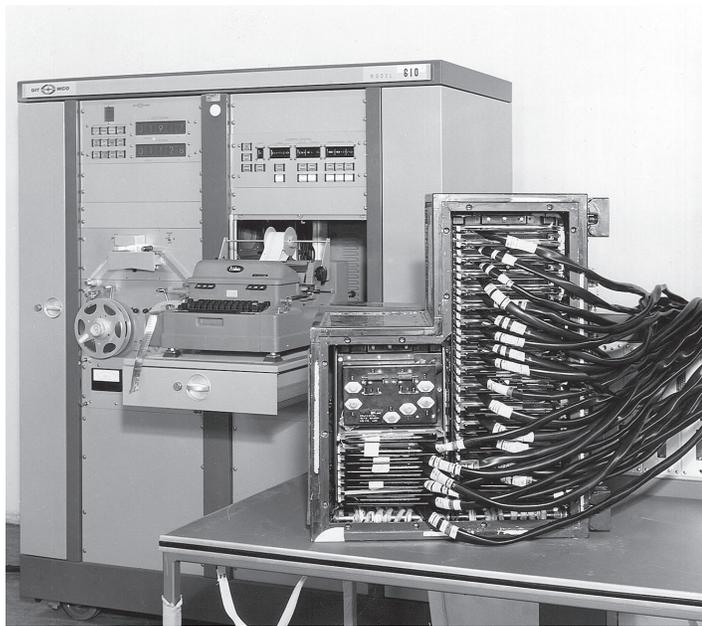


The Model 200 proved a hit with the growing aerospace customer base over the next few years. In fact, it became common for the military and its suppliers to say, "This aircraft needs to be DIT-MCOed."

Due to the success, the company decided to spin off the Drive-In Theater division to its employees in 1959. Simultaneously, the company obtained an order from the Navy for an on-board wiring analyzer known as the DIT-MCO Model 144. It used rugged waterproof construction and 44 units were delivered by the early 1960's.

Soon, engineering began on the first random access wiring analyzer. The Model 610 (fig. 3) units used punch paper tape for control and was used to test assemblies in support of the Boeing X-20 Dyna-Soar Spaceplane program, Project Mercury that put the first American in space, and the Apollo Saturn V Program that took the first humans to the moon.



**Figure 3. Model 610 testing assemblies for Boeing X-20 Spaceplane program.**

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 proliferation of integrated circuits in the 1980's greatly reduced the size and complexity of DIT-MCO's analyzers.

Through the years, 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.



**Figure 4. Model 2650s testing Leonardo M-346 Trainer.**



Today, DIT-MCO has met these challenges with a wide range of modular designs including the highly configurable model 2650 which can be cabinet mounted or distributed around an aircraft to minimize the length of test adapter cables (fig. 4).

They have also developed handheld units, field deployable units, benchtop units (fig. 5). Additionally, a high concentration on software development and interface cables has allowed the company to excel at customer specific customization.



**Figure 5. West Sales Manager, Marshall Pelot, demoing the HT-128 at REPTX.**