

Into the Next 75 years

Next generation DIT-MCO hardware will continue to offer the many advantages customers have come to expect including distributed switching, Multi-Bus Architecture (MBA), Random Hookup capability, along with higher test voltages and single point control to support high-speed hi-pot testing.

The charge into next-gen hardware starts with their latest technology – PinMate (fig. 6). It is a guided wire insertion tool designed to aid assemblers inserting wires into electrical connectors. A miniature projector visually guides the operator by illuminating the correct cavity for pin insertion. Originally designed by Boeing Defense Group in Mesa, AZ, for their in-house wiring shop, PinMate is being commercially developed and offered to the global wiring industry under license agreement between Boeing and DIT-MCO International.



Figure 6. PinMate guided wire insertion tool.

More important in taking DIT-MCO to the next level and insuring they remain the industry leader will be the commitment to a new software infrastructure. They are going beyond just pass and fail results. Beyond checking a quality box and moving onto the next test. DIT-MCO is going to provide errors in their nature language, that anyone can read, experienced assembler or not. AI analysis will pinpoint wiring errors and generate predictive determination and preventative actions to not make the same mistake again. DIT-MCO's software will go beyond telling you what went wrong and instead determine why it went wrong.

The new software infrastructure and top of the line test equipment and hardware will make DIT-MCO the go to total test solution partner. From the first connector being pinned, to the final point being tested, DIT-MCO offers products that provide solutions.

New Look, New Colors, New DIT-MCO

In 2022, DIT-MCO launched a new logo. This change meant more than just a brand refresher. It signaled that DIT-MCO was changing for the better. The entire brand was becoming modernized, moving to new and exciting heights in the form of technology and innovation. DIT-MCO introduced a secondary color into its brand for the first time. Remaining with the "DIT-MCO" blue, but adding green – also symbolizing something, a greener future. The new logo became a perfect visualization into the future – DIT-MCO is built on the past but focused on the future.

Going Green

DIT-MCO continues efforts to become a more sustainable and energy-efficient company. They recently installed a 200-kW solar array at their facility in Kansas City. The 200kW capacity will allow them to generate more than 51% of their power needs on an annual basis. Over 72% of the cost of the installation will be recaptured in YR 1 in the form of utility rebates, investment tax credits, and accelerated depreciation. They will realize a net savings of over \$1.2m over the 30-year life of the system while offsetting nearly 6,800 metric tons of CO2.



DIT-MCO employees celebrating DIT-MCO's 75th anniversary.

NexGen People

DIT-MCO would not be around if it wasn't for the employees who are advancing this company into the future. At DIT-MCO the mix of employees ranges from 50-year DIT-MCO veterans – to new hires working their way up the ladder. With recent and impending retirements of key members of DIT-MCO, they are in an exciting time, shifting into the future of talent within the company.

David Shier joined DIT-MCO in a newly created position of Chief Technology Officer in 2020. More recently, Shier was promoted to President. "I have spent more than 30 years in this industry directly competing with DIT-MCO, so I have known and respected the excellent reputation the company has maintained with its customers," said Shier. "I'm excited for the opportunity to lead this great company as we develop new products and services that will assure DIT-MCO remains the dominant leader in the wire/harness testing industry."

Congratulations to DIT-MCO on reaching the impressive milestone of 75 years. May this anniversary be a testament to their enduring success and a springboard to even greater achievements in the future.