

VARIOUS CABLES TO MAS COPPER TERMINAL FOR HIGH CURRENT APPLICATIONS



■ The task

The MAS type terminals are commonly used in the automotive industry for applications with high current requirements.

The cable sizes vary, and the welding system has to be capable of welding the wires to the terminal in various orientations.

■ The solution

The application was processed by using the M5000 Universal welder with either a 6.5Kw. or 3.0Kw. generator, depending on the cable size range.

The terminals are automatically fed on a carrier strip, then cut and welded. The tooling allows welding in different orientations of the terminal with minimal mechanical changes.

If a quality alarm occurs during or after the weld, the cable is cut right outside the terminal to ensure a suspect part does not move downstream.

■ The advantages

Various cable sizes and different terminal orientations can be welded within the same system.

The M5000 can be coupled with a high powered 6.5Kw. generator to terminate very large and difficult to weld cables.

The feeding, cutting and the guillotine features are designed in such a way that scraps are minimized and more importantly, suspect welds are identified and eliminated at the welding station.

This system can accommodate both MAS and MAK terminals.



A Phoenix M5000 was used in the application.

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