

Moog MSC III Replacement Option



In January 2023, Moog announced the end-of-life of its MSC III Motion Controller, with final support, service, and repair ending in February 2025. Moog has no direct replacement for this product and recommends their MC600 machine controller, a configurable system running Linux and programmed using CoDesys. Faced with a redesign effort, MCS III users may want to explore alternative options.

For excellent hydraulic and electric motion control, the Delta Motion RMC200 offers a flexible solution with sensor and valve connections made directly or via EtherCAT. With the RMC200, you can choose the overall system controller (PLC or SoftPLC) that best fits your application's needs and program in your preferred environment.

Delta's powerful and easy-to-use RMCTools software simplifies axis setup and tuning. Optionally, RMCTools User Programs can offload time-critical tasks from the PLC to further maximize motion performance. Unlike the MC600, all software features are always available without a special License Key. Instead, the Feature Key on the RMC200 simply enables the number of control loops and can be updated remotely.

With several configurations to choose from, the RMC200 can control two axes using a single U14 I/O module or scale up to as many as 50 axes using any combination of direct I/O and control over EtherCAT. The analog I/O on the RMC200 is 18 bits versus 16 bits on the MC600, and the RMC200 offers a wealth of control capabilities, including pressure/force control and the ability to smoothly transition between position and pressure/force control. The RMC200 has other user-friendly features not available on the MC600, such as indicator LEDs for the I/O, and a compact display/keypad for managing IP addresses and other simple functions.

The RMC200 stands out not only for its performance but also for Delta Motion's renowned knowledgeable, responsive technical support and commitment to never obsoleting products. If you're still relying on the MSC III, it's time to consider the RMC200 from Delta Motion. With this upgrade, you get a powerful combination of enhanced performance, unmatched support, and reduced lifecycle costs. It's a triple win that delivers lasting value and future-proofs your motion control systems.

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