

FOR IMMEDIATE RELEASE

## **RMCTools Software Adds Usability Features for High Axis Counts**

May 10, 2021 – Battle Ground, WA – Delta Computer Systems is pleased to announce the release of RMCTools version 4.18 for the RMC Motion Controllers. The cumulative release adds new features especially helpful for quickly implementing high performance motion control systems with large axis counts, such as those on Delta’s flagship RMC200 Motion Controller, which was recently expanded to handle up to 50 physical axes.

RMCTools now features an advisory system for control loop timing that also includes increased access to 125µs loop times (8 kHz update rate). The RMC User Programs run at the motion loop time, which ensures highest performance for complex systems, but can also place large demands on the CPU. The Control Loop Utilization Advisory offers the user color-coded feedback on how much of the selected loop time will likely be consumed with the currently defined axes and User Programs. And while the application is running, new Loop Time Usage registers show detailed information on loop time utilization. This new advisory is especially useful when working on high speed, high precision applications that require complex motion.

RMCTools software now offers users Real Time Clock data registers for the RMC200 for easier troubleshooting, allowing the time-stamped Event Log entries to be correlated with physical events. And in another key improvement designed to assist in large-controller applications, RMCTools will now flag axis definitions and warn the user if axis definitions are no longer valid due to a mismatch between the currently installed modules and the axis definitions. The axis definitions will no longer be reset to defaults in this situation. This makes changing I/O modules much easier on the RMC200 platform. Once appropriate I/O modules are placed in the Base Module, RMCTools senses the changes and removes the warnings.

Delta strives to provide the best software features and tools so that every project can succeed beyond expectations. Our customers consistently tell us that the RMCTools software is the key to quick implementation of high-performance motion control solutions. Industrial users rely on reliable equipment and responsive support when something does go wrong. Delta’s software team does its part, working hard to provide powerful, easy-to-use, and rigorously tested software, and to respond quickly when bugs are found, so that customers can be always assured of support. RMCTools software can be freely downloaded from our website [Downloads page](#).

**About Delta:** For nearly 40 years, Delta has supplied motion controllers and other industrial products that enable better performing machines. Delta's RMC Motion Controllers are used for hydraulic, pneumatic and electric closed-loop control in a wide array of single and multi-axis control and testing applications. For more information contact Delta Computer Systems, Inc., at (360)254-8688, email [technicalsales@deltamotion.com](mailto:technicalsales@deltamotion.com), or visit [www.deltamotion.com](http://www.deltamotion.com).