Controller family for high-performance micro-automation

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The CPUs 221 and 222 for the Simatic S7-200 miniature control units from Siemens Automation and Drives (A&D) are now **40 percent faster than before**, with a command execution time of 0.2 microseconds per bit.

The miniature CPUs are equipped with the same range of commands as the more powerful members of the family, CPUs 224, 226 and 224 XP. As a result, the user only has to change his type of CPU whenever his requirements change. The new CPUs are very suitable, for example, as "substations" in telecontrol applications or for small production machines with recipes that have to be processed flexibly. Several recipes can be parameterized in advance and then loaded when required, for

example from the Simatic Memory Cartridge. In these cartridges, data with a time stamp can be recorded chronologically, recipes can be managed and project documents can be stored. Several functions have been added to the MicroWin V4.0 software - for example PID Autotune, Trendchart, Super-Tree, Datalog Wizard andd Recipe Wizard: Trendchart shows the progression over time of previously defined parameters on the PC; with the help of PID Autotune, the user can easily configure control functions and monitor them during operation.

Source: Siemens