



Express

ALLEN BRADLEY® PLC controls the compact JENNY SCIENCE® linear motor axes in synchronous mode.

[Here](#) you will find the corresponding videos, instructions and sample programs.

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Dear ,

With an ALLEN BRADLEY® PLC it is possible for the first time, to run the compact JENNY SCIENCE® linear motor and hollow shaft motor axes cyclic synchronized over EtherneNet/IP® with CIP Motion. Now several axes can move synchronously. Also any desired trajectory curves in three-dimensional space can now be realized very easily. The real-time setup in the COMPACTLOGIX® PLC of ALLEN BRADLEY® is done with virtual axes, the event task mode and a motion event trigger.

The novelty required a sophisticated development of the firmware in the XENAX® servo controller from JENNY SCIENCE®. The jitter on the received position data must be detected and continuously corrected. Furthermore, the Ethernet/IP interrupt timer from the ALLEN BRADLEY® PLC has to be synchronized with the closed loop cycle of the XENAX® servo controller. These new features are included in the firmware from version 5.06A.

[Here](#) you will find the corresponding program with a demonstration video, sample code an instructions.

Please ask our experts directly about the possibilities with the new Cyclic Synchronous Operation.

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Kind regards,
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