



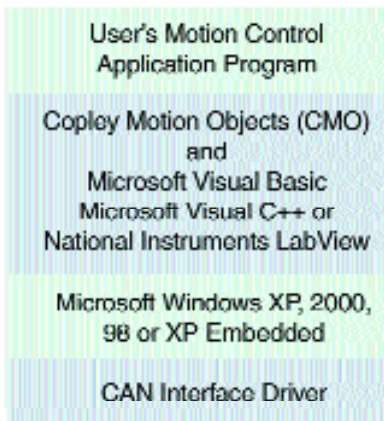
Copley Motion Objects

Copley Motion Objects (CMO) simplify the creation of Windows-based software for the control of Copley amplifiers over a CANopen network. Programmers with no CANopen experience can get a multi-axis motion application up and running quickly in LabView,[™] Visual Basic[™] or any program supporting the COM object interface.

Key Features

- Supports CANopen servo and stepper drives
- Works with LabView[™], Visual Basic[™], Visual C++[™]
- Network management is automatic
- Point-to-point and coordinated motion

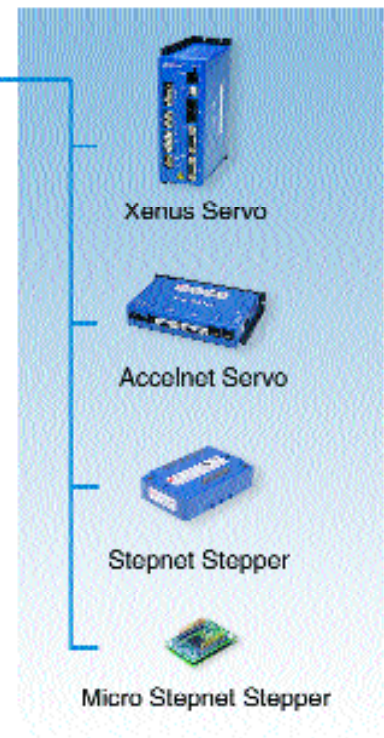
Motion System Software

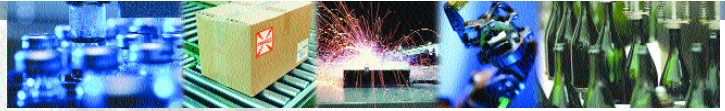


Controller Hardware



Distributed Drives

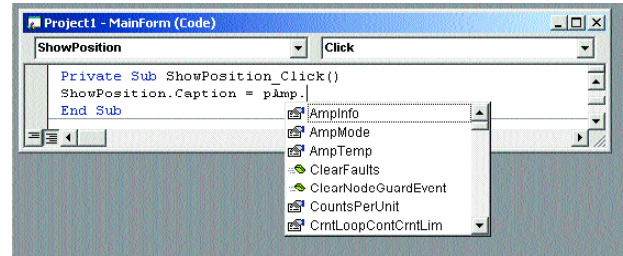




COPLEY MOTION LIBRARIES (CML)

EASY SELECTION OF CMO METHODS AND PROPERTIES

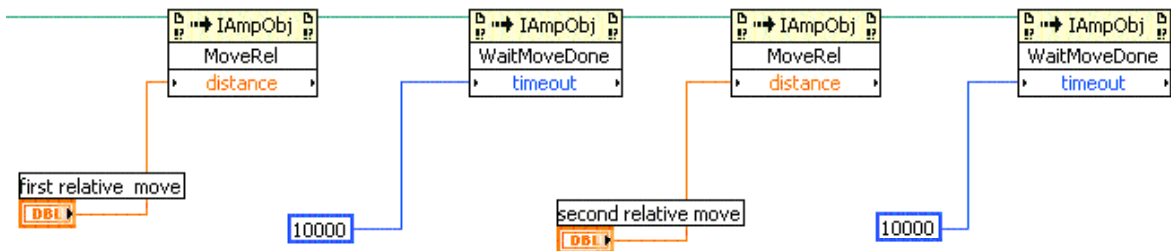
Copley Amplifier properties and methods appear in a drop-down list automatically. Simply scroll and select. CANopen DS-402 commands include (enable, homing, get and set parameters, point-to-point and coordinated moves).



QUICKLY CREATE A POWERFUL MOTION APPLICATION

Copley Motion Objects are easily integrated into a LabView, Visual Basic or Visual C++ program. In the LabView example below, each method appears in a separate function block. Execution is as drawn in the program flow chart performing two relative moves.

CMO completely eliminates the development of low-level code. Trajectory generation, network management and CANopen message formatting are automatic. For multi-axis control, simply pass position coordinates and CMO takes care of the rest.



EASY GRAPHICAL USER INTERFACE DESIGN

Use all the graphical tools that Labview, Visual Basic and Visual C++ provide to easily connect the user interface with CMO methods and properties.

