# SERCOS/104 Motion Controller

- C-Programmable Using MEI Standard C Function Libraries (Over 250 Functions)
- SERCOS (IEC 1491) Fiber-Optic Interface
- DSP Handles Advanced Trajectories for Coordinated Motion
- Controls Up to 8 Axes with Continuous Contouring
- Fiber-Optic Connections Simplify Wiring, Provide Noise Immunity, and Offer Powerful Diagnostics
- Flexible DSP Architecture Allows On-the-Fly Changes to Many Motion Parameters

The SERCOS/104 uses the SERCOS fiber-optic network to connect to intelligent drives and I/O devices, replacing hundreds of wires. SERCOS technology reduces system design, integration, and testing time by simplifying wiring and offering powerful diagnostics capabilities.

The SERCOS/104 controller combines a 40 MHz DSP with the SERCOS fiber optic interface to communicate with up to 8 axes at speeds up to 4 Mbits/sec. The SERCOS/104 shares the same C programming libraries as all other MEI DSP-based motion controllers to speed development of complex motion applications.

SERCOS/104 supports the following update rates: position loop update rate (in drive): typical 4 kHz; velocity loop update rate (in drive): typical 5 kHz; and current loop update rate (in drive): up to 20 kHz.

The SERCOS (SErial Real-time COmmunication System) interface is an international standard (IEC 1491) that offers an open, digital alternative to conventional ±10V analog interfaces between motion controls and drives.
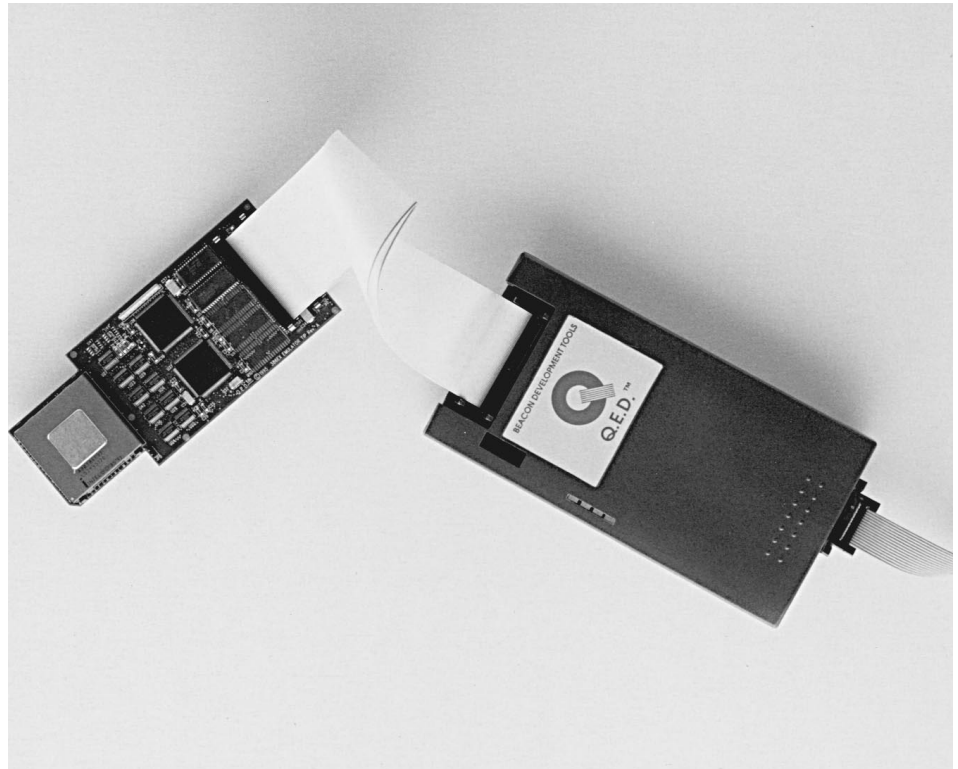
PROCESSORS SUPPORTED:
Intel386™, Intel486™, Pentium® processors

DEVELOPMENT PLATFORMS:
Supports DOS, Windows* 3.X, Windows NT, Windows 95, Lynx/OS, VxWorks, QNX, VRTS, and OS/9

AVAILABILITY:
Now

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MEI

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