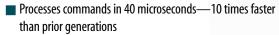# Accelera Series
Sizzling Speed. Fully Loaded.

It's all about Speed!

Galil's ultra high-speed Accelera Series represents its 5th generation motion controllers. Pumped up with a powerful RISC processor, the Accelera series races along at much higher speeds than prior generation controllers.

- Processes commands in 40 microseconds—10 times faster than prior generations
- Accepts encoder inputs as fast as 22 MHz
- Servo loop updates as high as 32 kHz

All the Bells and Whistles are Standard

- Available in 1- through 8-axis models
- Available with Ethernet or PCI:
  DMC-40x0 Ethernet/RS232
  DMC-18x6 PCI
- Mix-and-Match steppers and servos
- Handles virtually any mode of motion with ease
- 2000 lines x 80 char. program memory; 16000 element arrays; 510 variables
- Multitasking for running up to eight programs simultaneously
- Optically isolated digital inputs and outputs
- 8 uncommitted analog inputs with 12-bit or 16-bit ADC
- Accepts two encoders for every servo axis
- DMC-40x0 accepts 20–80 VDC input and provides D-type connectors
- Compact size: 1–4 axis: DMC-4040: 8.1" × 7.25" × 1.72"
                 5–8 axis: DMC-4080: 11.5" × 7.25" × 1.72"

Ultimate Power

The DMC-40x0 is available with internal, multi-axis drives that minimize space, cost and wiring. Drive options are available for stepper and servo motors. The DMC-40x0 controller can also be easily connected to external drives of any power range. The AMP-195x0 2- and 4-axis packaged drive is available for the DMC-18x6 PCI controller.

DMC-40x0 Integrated Drive Options

DRIVE MODEL	MOTOR TYPE	# OF AXES	CURRENT	VOLTAGE
AMP-43020	Servo	2	7A cont, 10A peak	20–80 VDC
AMP-43040	Servo	4	7A cont, 10A peak	20–80 VDC
AMP-43140	Servo	4	1A max	±12–30 VDC
SDM-44040	Stepper	4	1.4A/phase	12–30 VDC
SDM-44140	Microstep	4	3A/phase	20–60 VDC