



# Introducing the Compax3M

## New servo drive is designed especially for multi-axis applications

Parker's expanding Compax3 family of popular digital servo drives is getting bigger. With the Compax3M, the Compax3 series now comprises devices for single axes in the low- and medium-power ranges (Compax3S up to 30A), devices for the high-power range (Compax3H up to 155A) and now for multi-axis application, the Compax3M (C3M). The new Compax3M will be officially released on June 6.

Among the advantages users of the Compax3M will enjoy:

- The ability to power multiple drives with a single power supply
- Cost savings when using more than three axes per supply
- Considerable savings of cabinet space as axes are added
- Less time spent wiring
- The ability to share a single braking resistor across all axes
- Simplified communications

Users can take their choice between three Compax3M power levels. The continuous current output of these models is 5, 10 and 15 A respectively. A 30A device will be available mid-summer 2008.

Thanks to the operation of the centralized power supply, differing AC supply voltages can be used on the entire drive combination without implementing adaptive measures. This is perfect for companies that ship machines globally and do not want the hassle of selecting a different drive family.

The Compax3's size offers considerable advantages for multi-axis applications. With an axis width of only 2" for the 5, 10 and 15A power stages and 4" for the 30A power stage, the Compax3M is the slimmest servo drive available on the market. Additionally, because of the common bus design, the overall wiring overhead is greatly reduced. Users can also take advantage of a single braking resistor and mains filter.



Like all other devices in the Compax3 family, the C3M can be used with Parker's ETHERNET Powerlink-enabled multi-axis controller. The multi-axis nature of the C3M is a perfect choice for those high-axis-count applications using this Ethernet motionbus and the ACR9040 for up to 16 axes of tightly integrated motion control. In addition, optional fieldbus interfaces are available: DeviceNet, Profibus and CANopen.

The communication is handled at the central power module with a USB connection. The power module then transmits the commutations signal to each of the following axis units. A multi-axis version of the popular ServoManager software is not standard.

The Compax3M can be configured to be either a simple "dumb" drive controlled by a motion controller or can be configured as a fully intelligent drive product that can be programmed in all international standard languages defined in the IEC61131-3 specification.

Finally, the Compax3M integrates certified safety according to EN ISO 12849 PL = d Cat. 3. This feature is included on all Compax3M products with advanced safety as an option coming soon.

For more information on Parker's new Compax3M, please visit [www.parkermotion.com](http://www.parkermotion.com).

[www.parkermotion.com](http://www.parkermotion.com)