

## Twin drive with Sercos Pack Profile!

Parker Hannifin presents “Twin Sercos”, a fully-digital drives for independent control of two brushless motors simultaneously. The range is from 2A to 8A and operating supply voltages from 200V up to 480V AC.

Twin Sercos is aimed for multi-axes systems, in particular in packaging applications. Several advantages come when using Twin Sercos in machines: reduced space in the electrical cabinet thanks to the multi-axes drive, easy wiring between drive and control, reduced connection time, higher noise immunity thanks to the optical transmission line, “plug and play” start-up executed in an easy and fast way by the external controller via Sercos, high resolution in the target variables, complete drive variable configuration and monitor via Sercos, high application flexibility, high bandwidth.

Twin Sercos can be connected to an external controller through the Sercos layer with the Pack Profile protocol via optical transmission line.

The Pack Profile for Sercos interface is intended to improve the interoperability between Twin drives and motion control for PC and control unit based architecture. Twin implements the Basic and Extended Pack Profile, which allows controlling the Twin drive from the external controller in the torque, velocity and position mode. Besides two probing functions are also implemented and available on the Twin Sercos drive.

Resolver or encoder (incremental, SinCos or EnDat absolute) can be used as feedback. An auxiliary encoder input is also available.

