



Introducing the Open Frame Stepper

New OFS drives combine compact size and high performance.

Parker's new OFS (Open Frame Stepper) microstepping drives are an economical alternative to more expensive, full-featured, packaged AC powered step drives. For less-demanding, point-to-point applications, the OFS drives deliver all the performance required in a high-value, low-frills approach to motion control.

The OFS is available in two models: the OFS350-DRI, which is a drive-only version requiring step and direction inputs, and the OFS350-OSC, which has basic onboard control capability. Both drives measure just 4" x 3" x 1.5".

"Many high-end, multi-axis automated machines require only two or three highly coordinated, high-precision axes out of the group," says Marc Feyh, product manager for Parker's Electromechanical Automation Division. There may be another six, eight or a dozen axes that rarely move except for setup and periodic alignment of various elements of the machine. "For these setup and alignment axes, a simple, easy-to-use and inexpensive stepper drive can hold position just as well as an expensive one that requires a commissioning process with installed software and programming just to get started. OEMs can save both time and money by applying the right level of step drive complexity to their



machines, focusing valuable resources where they're really required: on the core high-precision axes."

Although incredibly easy to set up and use, the OFS step drives are no anemic, underachieving drives. Featuring three-state, PWM, MOSFET H-Bridge technology capable of delivering 3.5 amps peak current per phase, the smaller-than-the-average step drive is capable of driving step motors ranging from size 11 through size 34.

Parker complements the release of the OFS drives with a full line of high-value accessories,

including the LV step motors and STP power supply. The LV line of low-voltage motors is optimized for high performance at lower DC bus voltages similar to those used with the OFS drives. The LV motors come in frame sizes 11, 17, 23 and 34 in both single and triple stacks. The STP-32PRK4 is a 40VDC, 4A power supply designed and optimized specifically for use with the OFS drives.

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