PCB PIEZOTRONICS
AN AMPHENOL COMPANY

RS SERIES

FASTENER DRIVE SYSTEMS

- Available in a variety of speed and torque configurations
- Complete system provides precise and accurate torque and speed required for threaded fastener testing
- System can be supplemented with torque multipliers to extend torque or speed range

FOR THREADED FASTENER TESTING

Fastener Drive Systems are available in a variety of speed and torque configurations, depending upon the size and type of fasteners and testing requirements. The systems are comprised of a rugged, heavy-duty industrial DC brushless electric motor and a dependable servo controller, that together provide the precise and accurate torque and speed that is required for threaded fastener testing. The system can be supplemented with torque multipliers to extend their torque and speed range.

Fastener Drive Systems are used in conjunction with RS Technologies' Model 3200, LabMaster Professional, to provide control. Model 3200 is an advanced multipurpose system designed to perform automated threaded fastener testing and joint analysis. When the Fastener Drive System is used with the LabMaster Professional, the unit provides real-time data display as well as printing, plotting, and automatic data storage capabilities.

A complete test system also includes a rotary torque-angle transducer, a combination tread torque and clamp force transducer, a text fixture assembly for mounting all components, and a printer for data reports and plots.

FASTENER DRIVE SYSTEMS

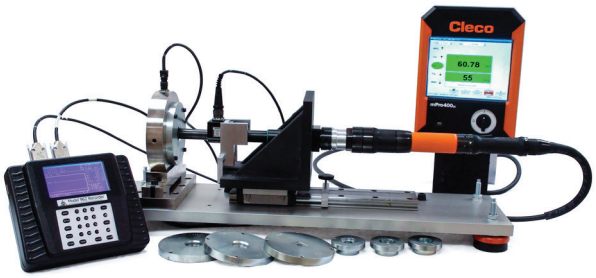
Model Number	Max Speed (RPM)	Torque Output	Max Fastener Size
089200-00524	0 to 614 RPM	40 lbf-ft 54 Nm	M7 (5/16")
089200-00526	0 to 250 RPM	97 lbf-ft 132 Nm	M10 (3/8")
089200-00528	0 to 127 RPM	192 lbf-ft 260 Nm	M12 (1/2")
089400-00606*	0 to 192 RPM	288 lbf-ft 391 Nm	M16 (5/8")
089600-00621*	0 to 102 RPM	576 lbf-ft 781 Nm	M18 (11/16")
089800-00631*	0 to 102 RPM	791 lbf-ft 1073 Nm	M20 (13/16")
089120-01000*	0 to 74 RPM	1095 lbf-ft 1485 Nm	M22 (7/8")

* Requires 220 VAC 3-Phase Power

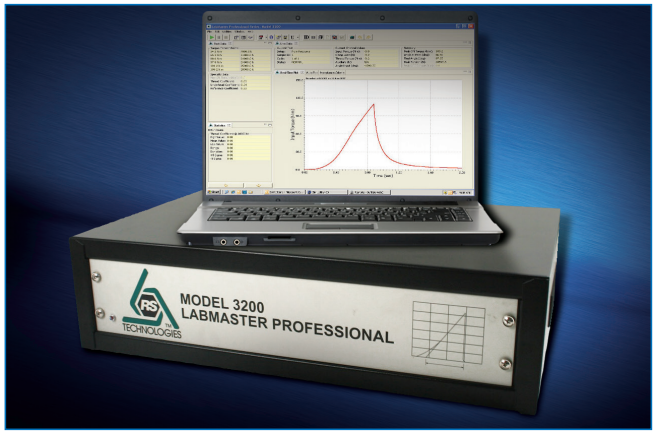
LabMaster test system drive motors are programmed for operation using the Labmaster for Windows® testing software

BASIC FASTENER DRIVE SYSTEM

Model Number	Max Speed (RPM)	Torque Output	Max Fastener Size
08-CLEC-A0MTR	0 to 320 RPM	85 lbf-ft 115 Nm	M10 (3/8")
08-CLEC-00MTR	0 to 245 RPM	111 lbf-ft 150 Nm	M10 (3/8")
08-CLEC-01MTR	0 to 115 RPM	210 lbf-ft 285 Nm	M12 (1/2")
08-CLEC-02MTR	0 to 67 RPM	350 lbf-ft 475 Nm	M14 (9/16")
08-CLEC-03MTR	0 to 33 RPM	625 lbf-ft 848 Nm	M18 (11/16")



Basic Fastener Drive Systems are used with Model 962 or Model 3210 recorders and are controlled by the operator



Recommended Data Acquisition Instrumentation

Model 3200 LabMaster Professional

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