

motion product specialists designed and manufacture this extensive line of High Performance Brushless DC Motors and Drives. These products are applied in a broad range of applications that require precision control with servo-like response, high efficiency, and smaller, high torque motors.

POWERTEC Brushless DC Motors provide very high horsepower in relatively small NEMA frame sizes. PACTORQ™ Brushless DC Motors, with an optimized neodymium magnetic design, boast the highest horsepower density in the industry. Trouble-free long life is assured, as the only motor maintenance requirement is infrequent bearing relubrication.

Two Series of Brushless DC Drives, employing full digital designs, have extensive control options to meet your most demanding application-specific requirements. The GENESIS Series utilizes an analog user interface in conjunction with option boards for versatile functionality. The MILLENNIUM® Series includes PowerTool software for easy setup and precision tuning. These are just a few of the many powerful features of these high performance drives.

Convenient Pre-Engineered Drive Systems combine flexibility with field-proven design. These industrial panel enclosures are configured with a large selection of drives and associated control options to meet your exacting control requirements.

years of experience in providing practical and cost effective solutions for a host of high performance motion control requirements. Take advantage of the edge these High Performance Brushless DC Motors and Drives will provide in your application.

<b>BRUSHLESS DC MOTORS</b>	INDEX	1
	POWERTEC (Ferrite) Brushless DC Motors	3
	Totally Enclosed, Non-Ventilated Motors (TENV)	11
	Dripproof, Fully Guarded Motors (DPFG)	15
	Totally Enclosed, Air Over Motors (TEAO)	20
	Dripproof, Blower Ventilated Motors (DPBV)	23
	POWERTEC Motor Dimensions	26
	PACTORQ™ (Neodymium) Brushless DC Motors	50
	Totally Enclosed, Non-Ventilated Motors (TENV)	56
	Dripproof, Blower Ventilated Motors (DPBV)	58
	PACTORQ Motor Dimensions	60

**A**

**MOTORS**

<b>BRUSHLESS DC DRIVES</b>	INDEX	77
	GENESIS Series Brushless DC Drives	78
	Model 500 Drives (.25-3 HP)	80
	Model 1000 Drives (1-10 HP)	80
	Model 2000 Drives (15-40 HP)	80
	Model 3000 Drives (50-75 HP)	80
	Model 3500 Drives (100 HP)	80
	Model 4000 Drives (125-150 HP)	80
	Genesis Drive Dimensions	87
	MILLENNIUM® Series Brushless DC Drives	92
	Model M4 Drives (30-50 Amps Continuous)	94
	Model M5 Drives (60-90 Amps Continuous)	94
	Model M6 Drives (120-165 Amps Continuous)	94
	Model M7 Drives (220-330 Amps Continuous)	94
	MILLENNIUM Drive Dimensions	99

**B**

**DRIVES**

<b>PRE-ENGINEERED DRIVE SYSTEMS</b>	INDEX	107
	MILLENNIUM Complete Systems	110
	MILLENNIUM Drive Models M4-M7	110
	MILLENNIUM Complete Options	111
	MILLENNIUM Remote Systems	110
	MILLENNIUM Drive Models M4-M7	110
	MILLENNIUM Remote Options	111
	GENESIS Complete Systems	116
	GENESIS Drive Models 1000-4000	116
	GENESIS Complete Options	117

**C**

**PRE-ENGINEERED DRIVE SYSTEMS**

<b>GENERAL INFORMATION</b>	INDEX	123
	Conduit Box Dimensions	124
	Terminations	126
	Secondary Feedback Specifications	131
	Blower Motor Data	133
	Brake Specifications	134
	Thermal Protection Specifications	136
	De-Rating Information	137
	Motor Sealing	138
	Bearing Specifications	139

**D**

**GENERAL INFORMATION**