

**Introduction - Product Range**

**Product Range in brief:**

<b>Servo drives + motors</b>	DC Servo Drives	5A/24V ... 40A/240V
	DC Brushless Servo	3A/24V ... 70A/240V, trapezoidal and sinusoidal
	AC Brushless Servo (fast control loop)	1A/230V ... 70A/600V, Field-Bus connectivity, high resolution encoder compatible
	AC Brushless Servo (general purpose)	1A/230V ... 30A/600V, full motion control capabilities, Field-Bus connectivity
	DC Servo Motors	Up to 0.7Nm, rare earth magnets
	Brushless Servo Motors	Up to 124Nm continuous, low inertia, short motors, frameless motor kits
	Linear Motors	Iron Core and Ironless
<b>Stepper drives + motors</b>	Stepper Motors	DC, permanent magnet, 0.4 ... 38Nm, IP68
	Stepper Drives	DC, 1A/40V ... 15A/300V
	Intelligent Stepper Drives	Programmable, stand alone, RS232/485, SERCOS
<b>Gearboxes</b>	Low-cost Planetary	Up to 400Nm
	Servo Planetary	Up to 160Nm
	Adjustable Backlash Worm	Up to 2000Nm
<b>Encoders</b>	Magnetic Incremental	10 ... 40,000ppr
	Absolute (single / multi turn)	100 ... 4096ppr / 1 ... 4096 turns, SSI, parallel
	Kit Encoders	Separate sensor and initiator, high speed
<b>Linear Scales</b>	Magnetic Incremental	1 ... 1500mm / 0.1 or 0.01mm resolution
	Ultrasonic Absolute	50 ... 5000mm / 0.1 or 0.01mm resolution
<b>Counters</b>	For Incremental Encoders	5Vdc or 10...35Vdc
	For Absolute Encoders	SSI
<b>Controllers</b>	Stand Alone Modules	1 ... 32 Axes (up to 180 axes networked), RS232/485
	PC Motion Control Cards	1 ... 16 axes / per port, DOS, Windows 98, Windows NT, Linux
	Field-Bus Connectivity	Profibus DP (slave/master), DeviceNet, Interbus S, Allen-Bradley Ethernet, Data-Highway/ Plus, Modbus and Modbus TCP, GE Genius, AB SLC500, S908 Remote I/O, Ethernet I/O, Snap Ethernet I/O
	Specialised Task Controllers	Wind-Unwind / Coiling / Gearing / Cam / Position / Flying Saw / Rotating Knife / Digitising / CNC Milling / Laser-Water-Air Knife
<b>Couplings</b>	Miniature	0.1 ... 10Nm
	Drive	10 ... 4000Nm
	Safety	5 ... 1500Nm
	Intermediate Shafts	Up to 3m long, 200Nm torque
<b>Services</b>	Application Support	Project Management, Specification, Training
	System Build	Complete Drive And Control Systems
	Service	Repairs, Maintenance, Call-Outs
	Sourcing	

**Note**  
The products described on the following pages are an extract from our extensive range. If you cannot find a suitable product or the information enclosed is insufficient, please do not hesitate to contact us for assistance.

Please contact us for a full brochure . . .