

AUTOMATED MOTION SYSTEMS PTY LTD

Motion Control Components, Spares & Systems.....

.....for Australian Machine Manufacturers.

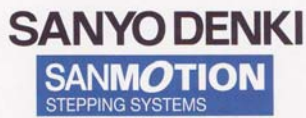
www.automotsys.com.au -- sales@automotsys.com.au -- ph: (08) 9309 1896

MOTION CONTROL



Stepping Motor Drives

Bipolar chopper drives, rack or panel mounting.
From 24V @ 0.7Amp to 240V @ 14 Amps.
High voltage drives with direct mains supply, 6 Amps.



Stepping Motors

Frame sizes 17, 23, 34 and 42.
Torques upto 20 Nm. Shaft power upto 2kW.
200 steps/rev, 2 phase, hybrid motor design.



Multiaxis Motion Controllers

Stand alone or computer control.
Upto 6 axes per controller.
For stepper, servo or mixed systems.



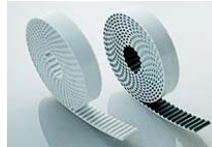
Special purpose stepping motors

Sealed motors, vacuum motors, brake motors,
encoder motors and radiation motors.
Sizes 23, 34 and 42 frame.



T5 Timing belts & pulleys

For low cost reduction and linear drives.
Metric T profile, 5mm pitch, 16 and 25mm wide belts.
Continuous belts and clamping plates.



T5 T& T10 linear belts

T5 and T10 long belts for linear drives & conveyors.



Precision planetary gearheads

Fit directly onto stepper or servo motors.
Low backlash 3 to 15 arcminutes. Compact size.
High output torque, ratios from 3:1 to 1000:1



Electromagnetic brakes & clutches

Brakes, clutches, failsafe brakes & slip clutches.
Efficient 24VDC operation.
0.2 to 240Nm torque in 28 to 200mm diameter sizes.



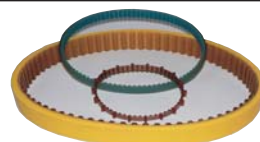
Zero backlash, helical shaft couplings

Compensation for parallel or angular offset
No lubrication required. Constant velocity.
No wearing parts. Ideal for stepper and servo motors.



Taper locking bushes

For fixing pulleys and gears to motor shafts without
extensive machining, drilling & tapping, fixing
agents, machining keyways or filing flats on shafts.



Specialised belts

Special toothed belts with coatings, cleats, holes
(for vacuum), high temperature or food production.
Available in Metric T5, T10 or imperial styles.

POWER TRANSMISSION

SENSORS



Incremental encoders

For shaft sizes 4 to 78mm dia.
Flange or hollow shaft mounting.
Up to 25000 pulses/rev.



Absolute encoders

Single and multiturn.
Up to 8196 pulses/rev and 4098 turns resolution.



Analog output transducers

Rotary and linear styles.
Potentiometer, magnetostrictive or magnetic sensing with internal converter..



Cable encoders

Upto 13 metres measurement.
Incremental or absolute sensing.

INSTRUMENTATION



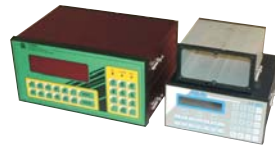
Signal processing modules

Signal isolators, signal converters, calibrators, displays, integrators, analog summaters, signal dividers, linearisers, rate limiters, raise/lower controllers, high/low selectors, set point generators, signal splitters, frequency scaler, signal multipliers, frequency/analog converter, BCD converter, signal comparator root extractors, pulse isolators, rate of change monitor and loop powered transmitters.



Potentiometric linear transducers

Potentiometer, 0-10V or 4-20mA outputs
Up to 1000mm stroke.
Long potentiometer life.



DIN Panel mounting instrument cases

Extruded aluminium & plastic cases to DIN 43700. Internally slotted for printed circuits. Panel mounting. 10 sizes. Ideal for instrumentation products.

MOTION CONTROL SYSTEMS



Motion Control Systems

Automated Motion Systems can provide the service of wiring S&H motion controllers and RTA stepper drives into cabinets with switchgear, terminals, fan cooling, power supplies and safety equipment. This allows systems to be programmed and tested before attaching motors to a machine.



Typical applications are cut to length control, 2 & 3 axis contouring systems, 2 axis punch controllers, winding machines, tube bending machines, gear generation and plasma cutting for joining tubes at angles.

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