

Permanent magnet DC Servomotors

- **0.4 Nm to 30 Nm continuous stall torque**
- **More economic than AC servos**
- **Break & encoder and tachometer available**
- **Optimum performance and durability**
- **Electrical and Mechanical options**
- **Custom windings for OEM's**



Features

TRM servomotors are designed for optimum performance and durability in demanding variable-speed motor applications, TRM DC high performance servo motors were designed rugged to meet demanding requirements of industrial motion control. They can be supplied with many electrical and mechanical options so the design fits your application. Some of the many options available include: tachometers, encoders, brakes, special mountings, special shafts, different windings, connectors, environmental sealing.

The DC servo motors family provide continuous stall torques from 0.4Nm (0.3 lb-ft) to 30Nm (24 lb-ft.) They are designed to provide reliability and dependability and long life in today's tough applications.

Typical applications

- Pick and Place multi-axis machines
- Machine Tool Applications)
- Antenna Positioning
- Packaging
- Woodworking
- Textiles
- Printing
- Rope/Twine manufacturing
- Co-ordinate measuring machines (CMM)
- Material Handling
- Door Opening
- X-Y table
- Medical equipment

Family of standard TRM Servomotors

TS4 16X 0.2 to 0.4 Brushed DC servomotor



- Torque (Nm) 0.2 to 0.4
- Voltage DC (V) 12 to 90 max.
- Speed (RPM) 8000
- Frame Size (Ømm) 63
- Shaft Diameter (Ø mm)..... 6 to 8 max.

T4 - 200X 0.4 to 1.6 Brushed DC servomotor



- Torque (Nm) 0.4 to 1.6
- Voltage DC (V) 90 max.
- Speed (RPM) 6000
- Frame Size (Ømm) 75
- Shaft Diameter (Ø mm)..... 14 max.

T4 - 295X 2.0 to 8.0 Brushed DC servomotor



- Torque (Nm) 2.0 to 8.0
- Voltage DC (V) 115 max.
- Speed (RPM) 5000
- Frame Size (Ømm) 114
- Shaft Diameter (Ø mm)..... 19 max.

T4 - 420X 10 to 30 Brushed DC servomotor



- Torque (Nm) 10 to 30
- Voltage DC (V) 140 max.
- Speed (RPM) 3500
- Frame Size (Ømm) 165
- Shaft Diameter (Ø mm)..... 35 max.

Other Items Provided By TRM

Professional Motion Controllers

Up to 4 Axis stand alone motion controllers with keypad and colour screen.



Software

MAP is an end user friendly language adaptable for the majority of applications with 28 commands to choose from.



Electrical Cabinets

The TRM Electrical Cabinets are intended to simplify wiring The Electrical Cabinet provides:

- 24 Volts for the motion controller and the power supply for the DC servo amplifiers to run the motors using an external transformer.
- Screw connectors are used for connecting the Inputs/Outputs for a fast connection
- On-board filtering of power supplies and signals



DC Servo-Amplifiers

Compact current mode amplifiers capable of driving brushed DC Servo motors continuously at up to 100 volts and up to 5, 10 or 20 amps depending on the model.



Encoders

A selection of encoders



Sensors

A selection of sensors

