



**CALLAN
TECHNOLOGY
MACHINE TOOL
APPLICATIONS
(Metal Cutting)**



Machine Tool Applications with Callan Technology Motors

One typical application of Callan Technology DC Servomotors is the Machine Tool Industry. The main characteristics for this type of application are:

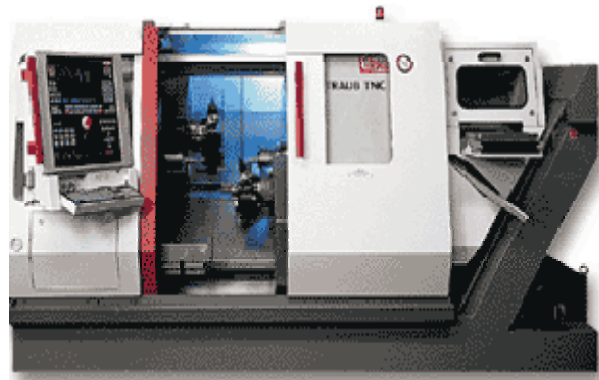
- Drive at low/zero speed and high torque whilst performing various operations.
- Drive at moderate speed, moderate torque and high accuracy for positioning parts.
- Drive at high speed between working points.
- Retain position at zero speed against an external force.



Callan Technology Motors have over 25 year's usage in the Machine Tool Industry. The Industrial nature of the Callan Technology motor makes it an ideal choice for this environment.

Because of the field-proven history of Callan Technology motors many of the world leaders in Machine Tools use Callan Motors:

- Sajo..(Milling Machines)
- Butler..(Lathes)
- Sandens..(Milling Machines)
- Traub..(Turning)
- Forest..(Machining Centers)
- Rambaudi..(Milling Machines)
- Hoffler..(Grinding Machines)



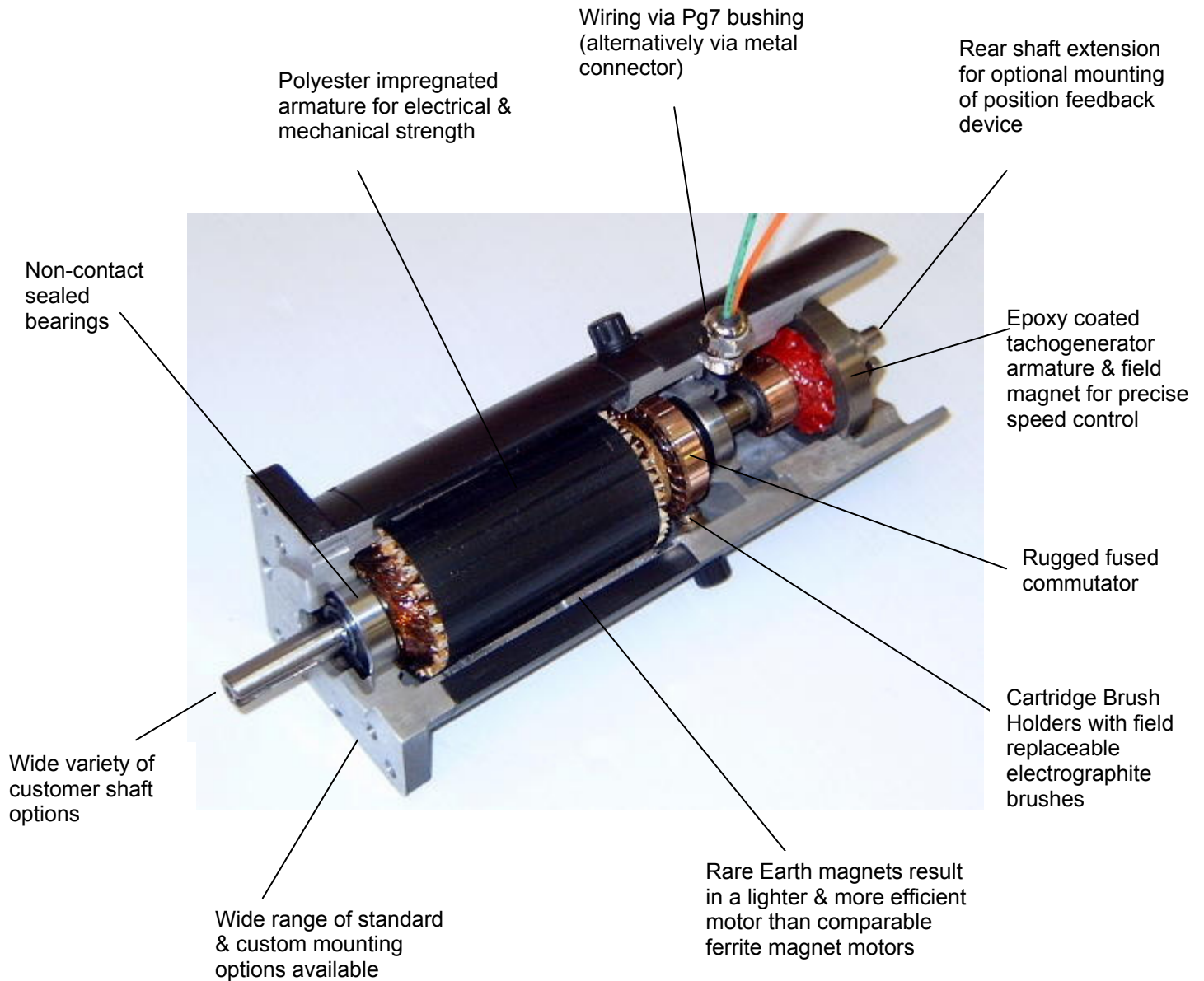
Utilising high-energy rare earth magnets, Callan Technology DC Servomotor Tachogenerators units provide precise motion control.

The construction allows these motors to be operated in harsh environmental conditions.

Modifications can be catered for to allow fitting to any machine.



Callan Technology Motors are built to the highest design and manufacturing techniques. The 'cut-away' motor picture describes all the major sections of the DC Servomotor.





CALLAN TECHNOLOGY PRODUCTS

AS-80 DC Servo Drive



- 20 - 80V d.c Operation
- 8 amps continuous
- 15 amps peak
- Torque or Velocity Mode
- Tacho or Encoder Feedback
- Input Signal +/- 10V

C4-16X Series

- 0.2 – 0.4 Nm Continuous
- 55 – 110 W
- 8000 rpm max. Speed
- 63 mm Diameter
- High Energy Rare Earth Magnets
- Available with or without Tach



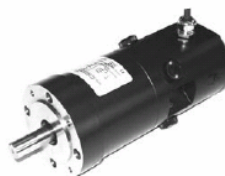
M4-200X Series



- 0.4 – 1.6 Nm Continuous
- 90 – 300 W
- 6000 rpm max. Speed
- 75 mm Diameter
- High Energy Rare Earth Magnets
- Encoder mounting spigot provided
- Available with or without Tach

M4-295X Series

- 2 – 8 Nm Continuous
- 750 – 1500 W
- 5000 rpm max. Speed
- 108 mm Diameter
- Exceptional Dynamic Performance
- High Energy Rare Earth Magnets
- Encoder mounting spigot provided
- Available with or without Tach



M4-420X Series



- 10 – 30 Nm Continuous
- 1.5 – 2.6 kW
- 3200 rpm max. Speed
- 146 mm Diameter
- Exceptional Dynamic Performance
- High Energy Rare Earth Magnets
- Available with or without Tach