

A person wearing a white lab coat and safety glasses is operating a large industrial textile machine. The machine has several large spools of thread and complex mechanical parts. The person's hands are visible, interacting with the machine. The background is slightly blurred, showing more of the industrial setting.

# **CALLAN TECHNOLOGY TEXTILE APPLICATIONS**



## Textile Applications with Callan Technology Motors

One typical application of Callan Technology DC Servomotors is Textile Machinery for example Sewing, Weaving, Spinning and Knitting. The main characteristics for this type of application are:

- Drive at High Speed and High Torque.
- Drive at Low Speed and High Torque.
- Retain position at zero speed against a force.



Callan Technology Motors are used on many Woodturning Machines. The Industrial nature, high power from a small size, and integral tacho 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 Textile Machinery use Callan Motors:

- Letzini
- Lindauer Dornier (Weaving)
- Savio



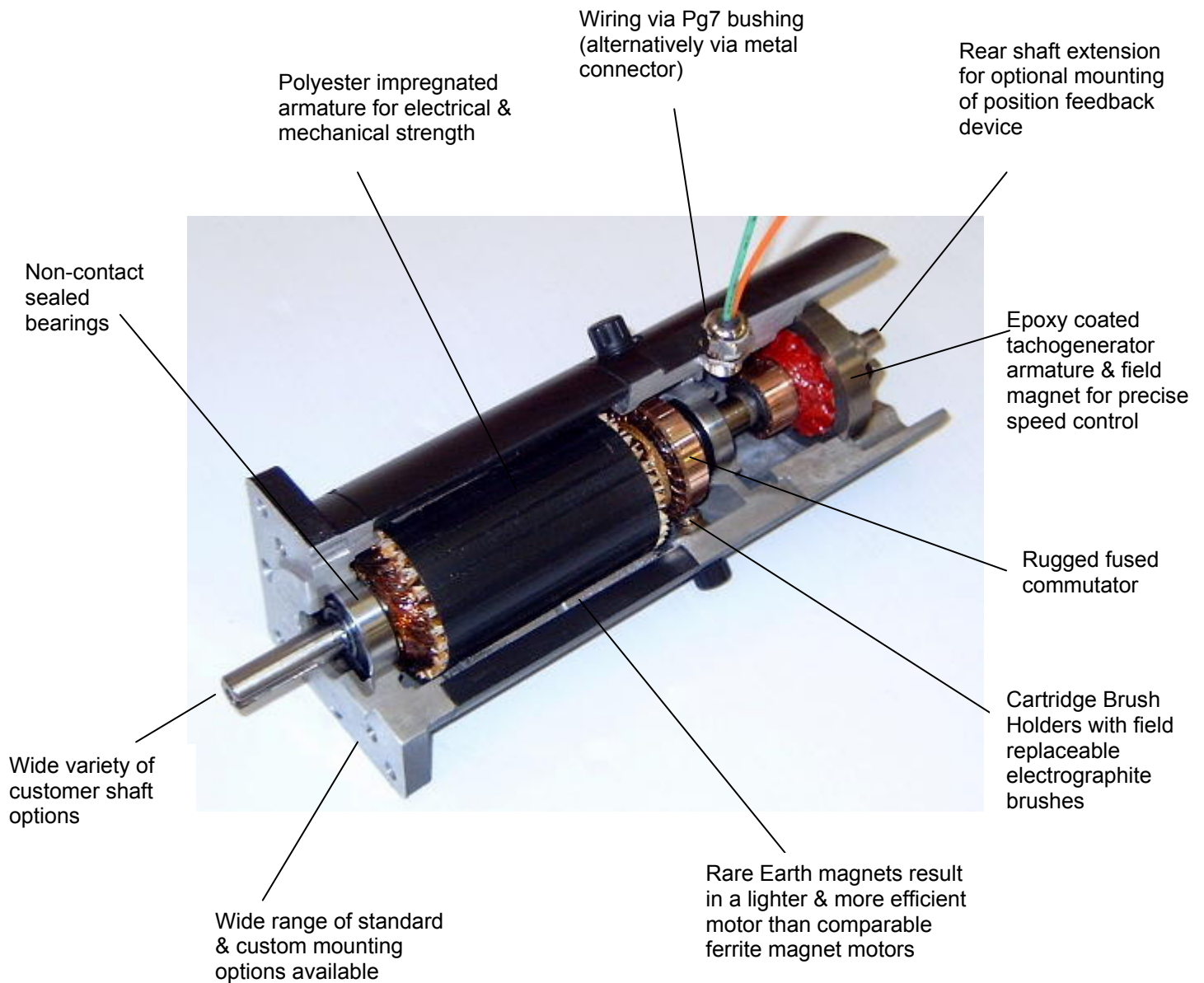
Utilising high-energy rare earth magnets, Callan Technology DC Servomotor Tachogenerators units provide precise motion control.

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

Modifications can be catered for to allow fitting to any machine



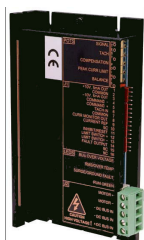
Callan Technology Motors are built to the highest design and manufacturing techniques. The 'cut-away' motor picture describes all the major sections of the DC Servomotor.





## 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



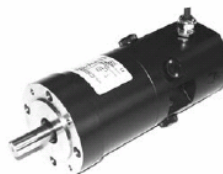
### M4-200X Series



- 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