



**CALLAN
TECHNOLOGY
ROPE & TWINE
MANUFACTURING
APPLICATIONS**



Cordage (Rope & Twine) Manufacturing Applications with Callan Technology Motors

A typical application of Callan Technology DC Servomotors is Rope & Twine Manufacturing Machines. The main characteristics for this type of application are:

- Smooth Low Speed Control
- High Continuous Torque



Because of the field-proven history of Callan Technology motors, these products are used in “state of the art” rope manufacturing machines:

- SIMA Group (M4-4204-04C-057)

Callan Technology industrial DC servomotors provide precise motion control solutions for :

- single & multifilament extruders
- twisters for production of plied yarns
- stranders & layers for rope production
- reeling/coiling for rope & twine take-up

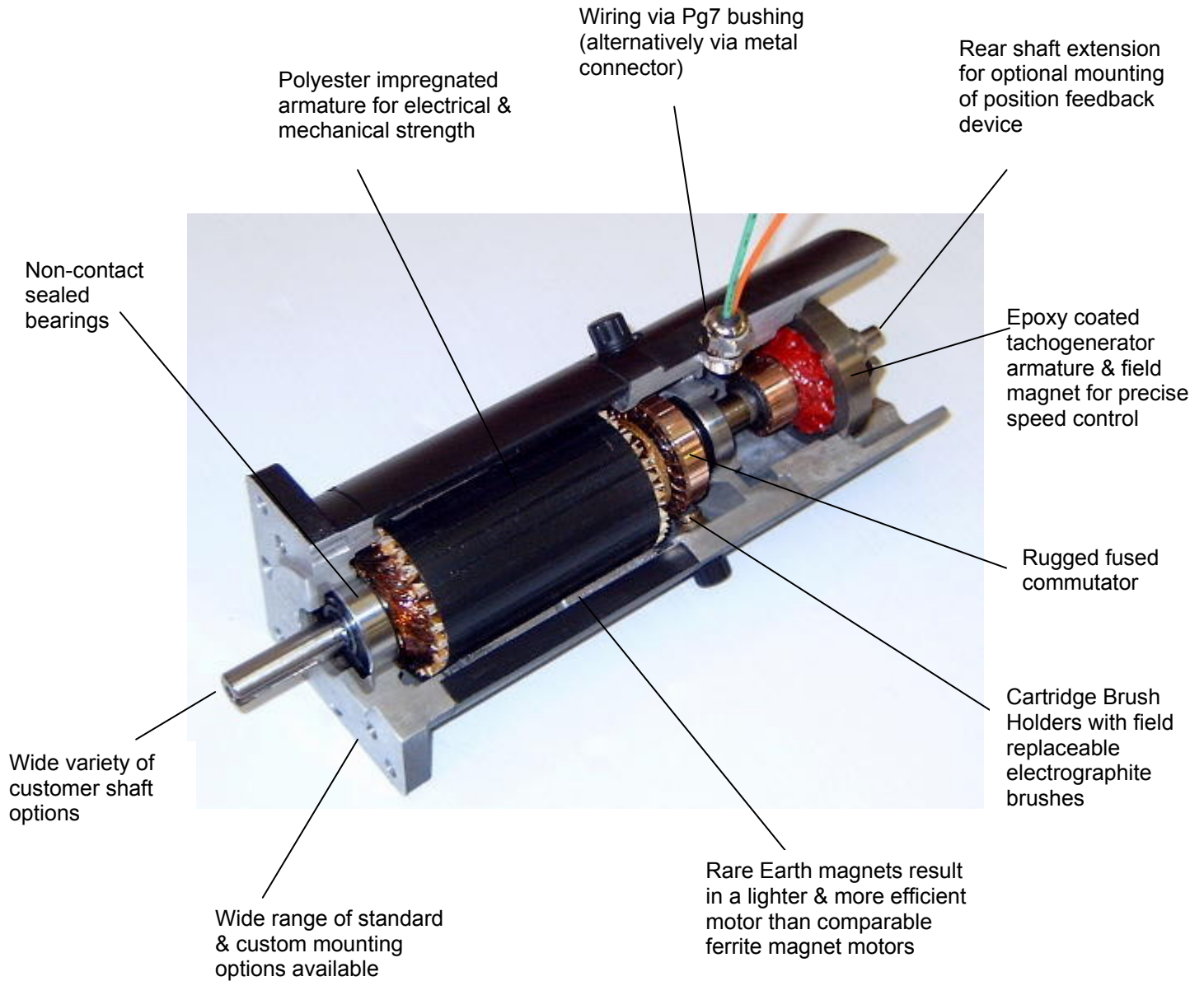


Utilizing rare earth permanent magnets, Callan Technology servomotors offer many advantages over inverter driven AC motors

- superior low speed control
- increased efficiency
- torque proportional to current at all speeds
- smaller size



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