



Olsen
Actuation
UK Ltd

Exclusive UK partner **EXLAR**



AIR | LAND | SEA & SUBSEA

Sector



Supplying The Most Advanced Solutions

Supplying electric actuators with the precise position control expected of servo systems with size, weight and durability comparable to the fluid power devices they replace.

○ Gun Mount / Turret Control

- Linear actuators for remotely operated gun and site positioning
- Motors/Gear Motors for automated turret control

○ Military Door Assist Actuator

- Universal actuator design
- Roller Screw linear actuator with integrated DC motor
- Custom clevis mounts
- Extended temperature and environmentally protected components

○ Electric Firing System Upgrade

- Ammunition handling and electronic firing
- Exlar SLM motors
- Customer tested to meet military and vehicle specifications
- Compact, designed to spec motors

○ Subsea Door Actuation System

- GSX-based Actuators
- Modified for operation outside of pressure hull
- Coordinate supply of controls and actuators
- Custom test fixtures to support performance testing
- Fast Track Delivery

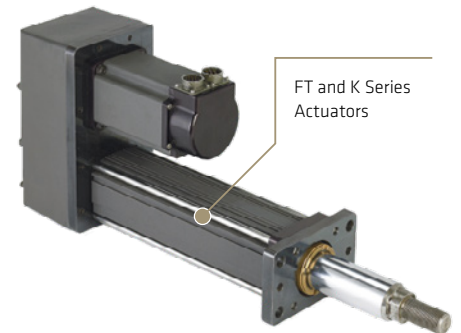
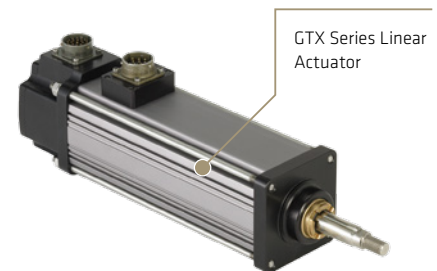
○ Advanced Gun System Actuators

- GSX linear actuators for ammunition handling and gun magazine
- Tested to meet military and ship specifications

○ Advanced Gun System Actuators

- Linear actuators and associated electronic controls
- Jet Blast Deflectors
- Barricade Stanchions
- Integrated Catapult Control Stations
- Heads-Up Displays

Defence Product Lines Include



Our Unique Approach

Exlar's GSX Series combines the advantages of our patented roller screw technology and T-LAM motor technology –yielding the highest performance, longest life and most compact linear actuator on the market. GSX Series linear actuators provide a viable, long lasting alternative to hydraulic actuation.

Utilising our satellite roller screw technology and an external motor, FT Series linear actuators provide force ratings in excess of 370 kN = 37 tonnes, stroke lengths up to 1.2m and speeds up to 1.5 metres per second. The K series is a budget range designed for simple low duty applications with forces to 15kN, 2m travel and 833mm/s.

Designed with Exlar's T-LAM technology, SLM brushless servomotors and SLG gearmotor's deliver high efficiency and power in a compact package. The SL Series design yields 35-70 percent more torque than traditionally wound motors of the same size and can incorporate an integrated planetary gearbox up to 100:1 ratio.

Programs

- Ford Class Carrier ALRE
- DDG-1000
- Bradley Fighting Vehicle
- Enhanced AN/TPQ-36 radar
- Vehicle-mounted counter fire radar
- Virginia Class Submarine
- Remotely operated gun positioning
- Paladin PIM
- V22 Remote Guardian System
- Littoral Combat Ship
- US Army Multi-Mission Launcher (MML)
- Indirect Fire Protection Capability (IFPC)
- Chemring Centurion Launcher System 12 x 130mm

Used by Industry Leaders

- BAE Systems
- Newport News Shipbuilding
- General Dynamics Electric Boat
- Lockheed Martin
- TARDEC
- NAVSUP Weapons Systems
- Meggitt Defense Systems
- Rafael Advanced Defense Systems
- Syracuse Research Corporation
- Oto Melara



We Only Supply The Best

Roller Screw Electric cylinders offer +10 times energy savings compared with pneumatics and +5 times compared with hydraulics without the risk of air or oil leaks and provide a long life, low maintenance solution.

They are quieter in operation, offer faster cycle times, they are easier to install and have better positional accuracy.

- ✓ Unique inverted roller screw design is the smallest in the world
- ✓ High speed and high acceleration saving time and money
- ✓ Long life and high load ratings make Exlar products the best in category
- ✓ Exlar "Integrated Motor" Concept structural analysis & robust testing



CONSULT OLSEN ACTUATION TODAY FOR THE COMPLETE LISTING OF EXLAR ROLLER SCREW LINEAR ACTUATORS.

The Global Leader in Actuator Technology



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