

ELECTROMECHANICAL ACTUATION TECHNOLOGY

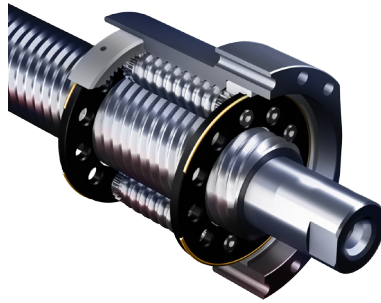
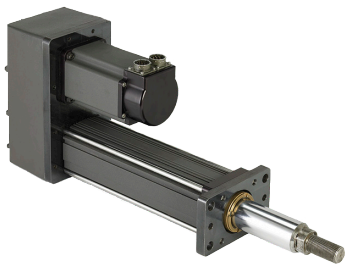
Naval Solutions

**CURTISS -
WRIGHT**



Precision + Power + Performance

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Ever increasing demands to reduce energy dependence while increasing user safety and capabilities can present significant challenges in the development and support for naval vessels. Converting to electromechanical actuation technology is the ideal solution to help lower energy demands, increase operational effectiveness, and reduce ownership costs. And with Curtiss-Wright's wide selection of modified commercial off-the-shelf (mCOTS) and COTS electric actuators, we offer a multitude of solutions for Naval applications.

Curtiss-Wright's Exlar® brand of roller screw electric actuators address all demands all with the benefit of a clean, efficient and powerful solution in the smallest package possible. This means no hydraulic fluid leaks, lower maintenance costs and significantly reduced noise levels. Our flexible designs also allow Original Equipment Manufacturers a fast route to market, as well as simplified operation and maintenance, which leads to lower total cost of ownership for many shipboard systems. Increasing electric operation can also eliminate or reduce the need for ancillary equipment such as compressors, pumps, hoses, and hydraulic fluids thus reducing weight, logistic costs, and maintenance.

Trusted on many U.S. Naval platforms, the reliability and robustness of our technology is unmatched. Our products meet various specifications and requirements such as temperature, humidity, shock and vibration, all while providing the same power as hydraulic systems. By combining performance and size advantages, Curtiss-Wright is dedicated to maximizing efficiencies in power while safeguarding equipment, reducing lifecycle costs and protecting our servicemen and women at sea.

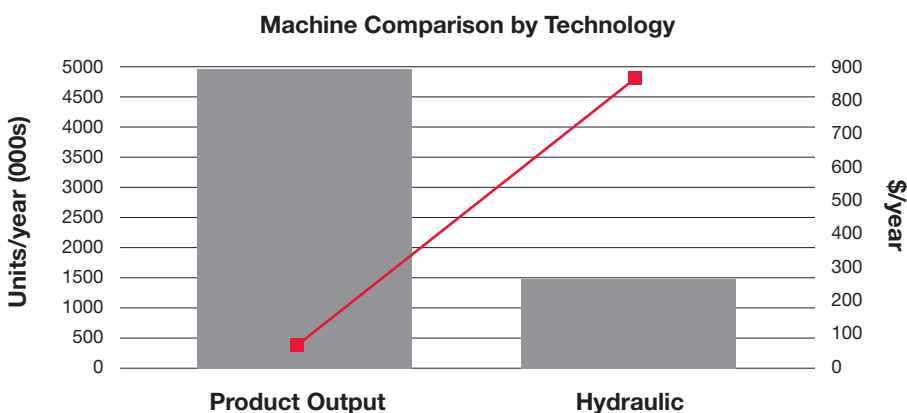
FEATURES/BENEFITS

- Power efficiency with wide force range
- Long service life
- Modular, scalable and compact design to reduce size and weight
- Design flexibility with numerous mCOTS and COTS offerings
- U.S. designed, U.S. built to meet various specifications

APPLICATIONS

- Hatches
- Towed arrays
- Valve controls
- Weapon handling systems
- Carrier Flight Deck operations
- Position Turrets

COMPARISON OF ACTUATION EFFICIENCIES



HIGHER EFFICIENCY
+ LOWER CONSUMPTION
= COST SAVINGS

■ Production Output ■ Energy Cost/Year