

Precision Technology

USA

ENGINEERED ACTUATORS

ELECTRO-MECHANICAL MARINE ACTUATOR SOLUTIONS



Enhancing **Safety, Reliability & Performance** at Sea

www.pt-usa.net

A member of the



THE POWER BEHIND
PERFORMANCE

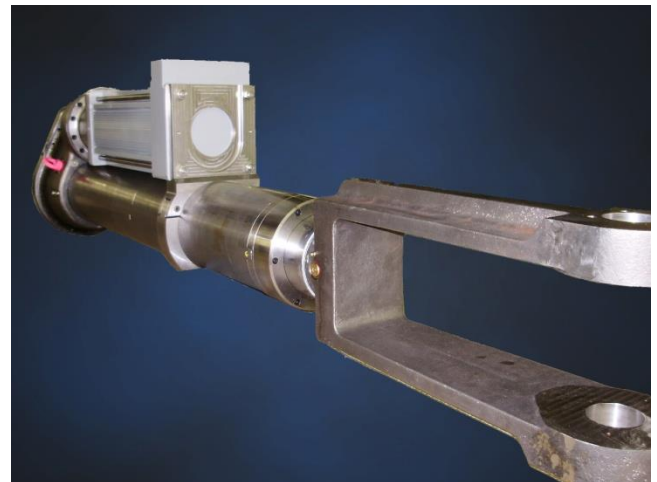
Custom Solution Highlights

LSO ACTUATOR

CVN-77 George H.W. Bush

Aircraft Carrier

- Force of 50,000 lbs. [222kN]
- 50 year service life
- System shields landing signal officers from jet blast



ELEVATOR/HATCH ACTUATOR

CVN-78 Aircraft Carrier

- Stroke range from 3 inches [76mm] to 177 inches [4496mm]
- Load capacity to 47,000 lbs [209kN]
- Fail safe brakes
- Holding capacity in excess of 93,000 lbs [414kN]



Electro-Mechanical Actuation Advantages

Safety

Deck Safety

Electromechanical actuators do not use hydraulic oil. Therefore, there are no oil leaks onto the deck of the ship which can create an unsafe working environment for its crew members.

Fire Prevention

The highest threat of safety on board military vessels is the potential for fires. Our Electro-mechanical Solutions negate the need for hydraulic fluids, significantly reducing the risk of oil fires.

Sailor Safety

No longer do crew members have to concern themselves with exposure to hydraulic fluids during routine maintenance. This greatly reduces the risk of skin/eye irritation which results in loss of vision and burns.

Reliability

By withstanding the harshest environments, our solutions maximize the intervals between necessary maintenance. This means less down time and a smaller crew, saving on operational cost throughout the life of the ship.

Performance

We recognize that each application is unique, and our designs take your needs into account. Everyone hopes to get more output for less input and our engineers understand this requirement. We design for maximum unit efficiency and we delight in contributing towards the improved operational effectiveness of the overall vessel.

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Advantages of Actuator Solutions By Precision Technology USA

- Capable of achieving forces ranging from a few hundred pounds to a few hundred tons
- Constructed to survive in arduous duty and hazardous environments
- Designed to meet your specific requirements
- No hydraulic fluid leaks or fires
- Reliable and precise position control
- Environmentally friendly
- Low operating cost
- Low maintenance
- Reduced system footprint

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