



Thomson components have what it takes to perform in the harshest environments

Harsh environments can present tough challenges when selecting motion components and devices. Thomson mechanical and electromechanical motion components are engineered to be tough and deliver high performance, longevity, washability and corrosion resistance in the harshest conditions. Take a look at three examples of Thomson's toughest components:



Max Jac® heavy duty linear actuator

- All external components are stainless steel, hard-anodized aluminum or a highly resistant polymer
- All seals withstand both organic and non-organic chemicals and abrasive materials
- Designed to operate from -40 to 85°C
- Rated for IP66/IP69K
- Tested for 500 hours of salt spray.



RoundWay® roller bearings

- Dynamic load rating of up to 70,000 lbf (310,800N)
- Velocity up to 100 ft/s (31 m/s)
- Extremely contaminant resistant
- Maximum operating temperature of 500°F (260°C)
- Bearing height infinitely adjustable within up to +/- 0.030 in.



AquaTRUE™ True Planetary® gearheads

- IP66/IP67 and IP69K protection
- 304 stainless steel housing
- Laser-etched permanent product label
- Smooth, round external housing without catch points

Thomson's application expertise is deep, and our product portfolio is broad. We can modify our standard products to virtually any need or full custom solution.

[Learn more and see application examples >](#)

[Download Food Processing Equipment Brochure >](#)

+ education/events



Thomson Tech Tips Video

IP Ratings Explained

The International Protection (IP) code classifies the different **levels of protection for electrical equipment**, including electric linear actuators.

The first rating is for protection against solid foreign objects, and the second rating is for the protection of ingress of liquids like water. Knowing what the ratings mean allow you to know how much protection your actuator will have in your next design.

[Watch the video on YouTube >](#)

+ applications/tools/products



Thomson Design Tools & Resources Help You Find The Right Product

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Together, with our direct contact customer support center, we can help you find the product that best fits your application needs.

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