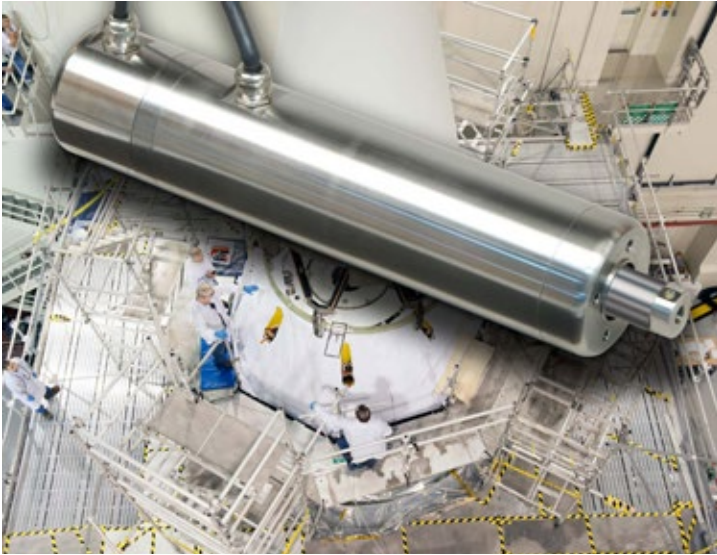


APPLICATION SOLUTION: Material Handling/Aerospace/Welding



Product Family: Electric
Product Used: IMA33 (Stainless Steel)
Product Type: Modified Standard

Application Requirements

Stroke: 6 Inches
Speed: 5 in/sec
Force: 300 lbf
Orientation: Vertical

Application Description:

Aerospace welding process.

Challenge:

A series of electric actuators were specified for this application to secure titanium metal during a welding process. The process required the use of de-ionized water for cooling, which is extremely caustic to most materials including anodized aluminum.

Tolomatic Solution:

Tolomatic provided a series of IMA33 rod actuators with integrated servo motors that were provided with all stainless steel construction. Additionally, the stainless steel actuators were designed with an IP69K rating to withstand the caustic fluids of the cooling process.

Customer Benefit:

- Corrosion resistant performance for long actuator life
- Compact design of integrated motor/actuator helped minimize machine footprint
- IP69K sealed and stainless steel construction protected the actuator from de-ionized water