Flow Products

Tolomatic™ EXCELLENCE IN MOTION

RODLESS ELECTRIC LINEAR ACTUATORS from Tolomatic Inc.

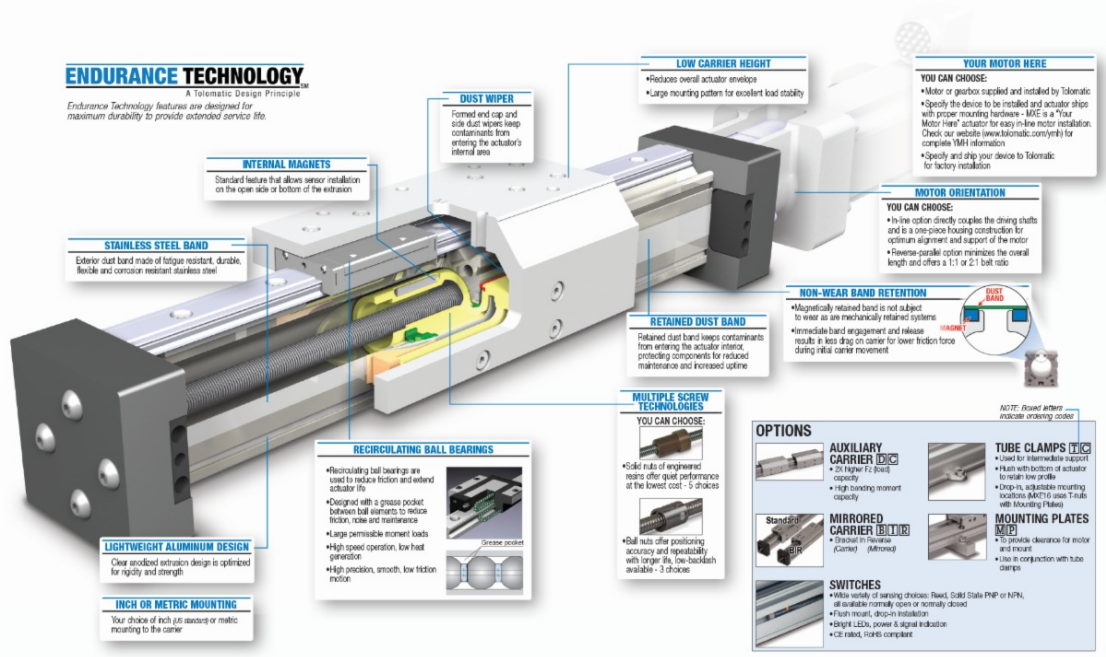
Part 2: Rodless Electric Actuators are often over looked for applications

Rodless actuators have a built-in bearing system that can move a load without additional linear bearings. This allows for a more compact and efficient system. Less components means more reliability.

In many conversion systems to electric from pneumatic or hydraulic the Engineer substitutes the electric rod actuator for the piston actuator without considering the complete design. If there is product being moved by an actuator and bearing rails are used then many times those bearings can be eliminated by the built-in bearings of the rodless actuator. The rodless actuator is a two in one design.

While Rod style actuators demand 2 times the length as they extend the rod out of the actuator body. A rodless actuator never needs additional space because the carriage or slide that does the work only moves the length of the actuator body and does not extend out like a rod style does.

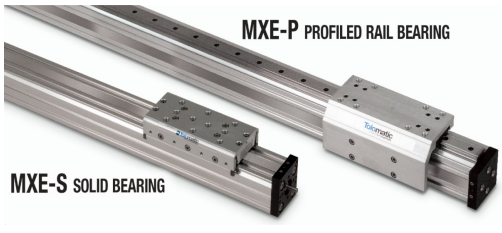
Endurance Technology:



Outstanding Features:

All of the Tolomatic outstanding features from Part1 of this series still apply to their Rodless Actuators.

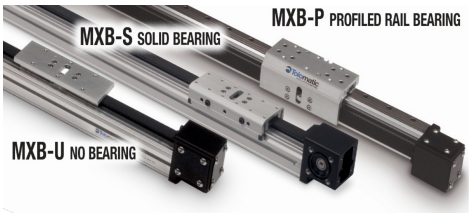
Some of these are: Endurance Technology, Customizable Configurations, Variety, Use Your Motor, Comprehensive Support.



Customizable Configurations:

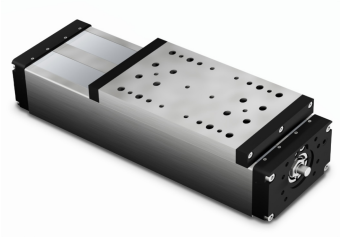
1. Compact and Space-Saving: With a sleek and compact design, Tolomatic Rodless Actuators save valuable space in your facility.

2. Space Efficiency: Unlike rod-type actuators, Tolomatic Rodless Actuators do not have a protruding piston rod extending from the actuator body. This design eliminates the need for additional space clearance required by rod-type actuators, making them ideal for applications with limited space or where a compact footprint is essential.



3. Longer Stroke Lengths: Rodless actuators typically offer longer stroke lengths compared to rod-type actuators of similar overall length. This extended stroke capability allows Tolomatic Rodless Actuators to cover a broader range of motion without sacrificing stability or performance, making them suitable for applications requiring large linear travel distances.

4. Exceptional High-Speed Applications: Because Rodless Actuators can use a belt drive for the carriage not only can the length be the longest in the industry but also the stroke speed is the product best for those high velocity applications.



5. Enhanced Load Carrying Capacity: The load-carrying capacity of Tolomatic Rodless Actuators is highest compared to other actuators. This increased capacity is attributed to the design of the actuator body, which utilizes one or two linear bearings in the actuator along the entire length of the carriage or sled travel.

6. Use Your Motor: Smart motor technology utilizing closed loop Stepper or Servo motors is available from Tolomatic. In addition, if you have a preferred or specified motor, that motor can also be used on any of the Tolomatic actuators.

Best Applications for Tolomatic Rodless Electric Linear Actuators:

- **Material Handling and Conveyor Systems**
- **Packaging Machinery**
- **Automated Assembly Lines**
- **Industrial Automation**
- **Medical and Pharmaceutical Equipment**

For a more comprehensive look at Tolomatics' Rodless Actuator Products offering please click here.

Contact us at 773-528-2000 or at sales2@flowprod.com to have us size and engineer a linear actuator solution for you!