

Smooth and Accurate Motion With Servo Cylinders

Six Degree-of-Freedom Motion Simulation



Shown above is a 6 degree of freedom motion platform developed by ThoroughTec for use in their CyberMINE™ range of mining equipment simulators.

The Exlar Advantage

- Millions of cycles without re-lubrication or maintenance
- Available in standard sizes offering peak forces from 100 to 40,000 pounds
- 15 times the life of ball screw actuators with roller screw technology
- Much less noise than other motion technologies
- Accurate and repeatable positioning
- Wide variety of mounting styles
- Operation with nearly any servo amplifier
- Multiple stroke lengths and sizes to fit your application
- Higher stiffness due to integrated design

Electric Actuators Provide Ideal Replacement

The smooth and accurate motion of Exlar's linear actuators, combined with today's servo technology, make multiple degree-of-freedom motion simulation applications cleaner, easier to implement, and more efficient than outdated hydraulic solutions.

The roller screw technology used in the SR Series actuators provides very high speeds and stiffness and the life expectancy can be 15 times that of ball screw actuators. So eliminate your maintenance and environmental headaches and achieve the robustness and longevity your application requires.



Six Exlar SR21 actuators are used in the ThoroughTec mining equipment simulators. Two other families of linear actuators, the GSX Series and FT Series actuators are also available and offer varying stroke lengths, speeds, forces, and other mechanical characteristics to meet your application's requirements.

Call Us!

Contact us to discuss improving the performance of your motion simulation application. Our applications engineers can be reached at **952-368-3434** or visit www.exlar.com to locate the sales rep nearest you.

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