



For Immediate Release

Iris Dynamics Ltd. Introduces Industry's First Two-Axis Control Loading Flight Simulation Actuator

Siilk™ two-axis control loading actuator provides smooth pitch and roll forces in one mechanism using patent-pending electro-mechanical impedance technology.

Victoria, BC, Canada, October 1, 2014 —Iris Dynamics Ltd. today announced the introduction of their innovative Siilk 10001 two-axis control loading actuator. Available as a self-contained component, the Siilk actuator provides a simple upgrade path for OEMs who wish to add realistic flight forces and haptic feel to the control yoke in their flight training devices.

The Siilk 10001 is the first device of its type. It uses a patent-pending electro-mechanical impedance (EMZ) actuator, proprietary algorithms and a high speed floating point microcontroller to impart smooth, cogless linear force in the pitch axis. A similar process is used to enhance the roll axis. The actuator has one major moving part, greatly simplifying the design, improving reliability, reducing maintenance and enhancing performance. The device also provides a 6-wire cable in the center of the shaft for connecting switches and pushbuttons and a USB port for interconnecting to MAC, PC or LINUX computers running X-Plane, Prepar3D or FSX.

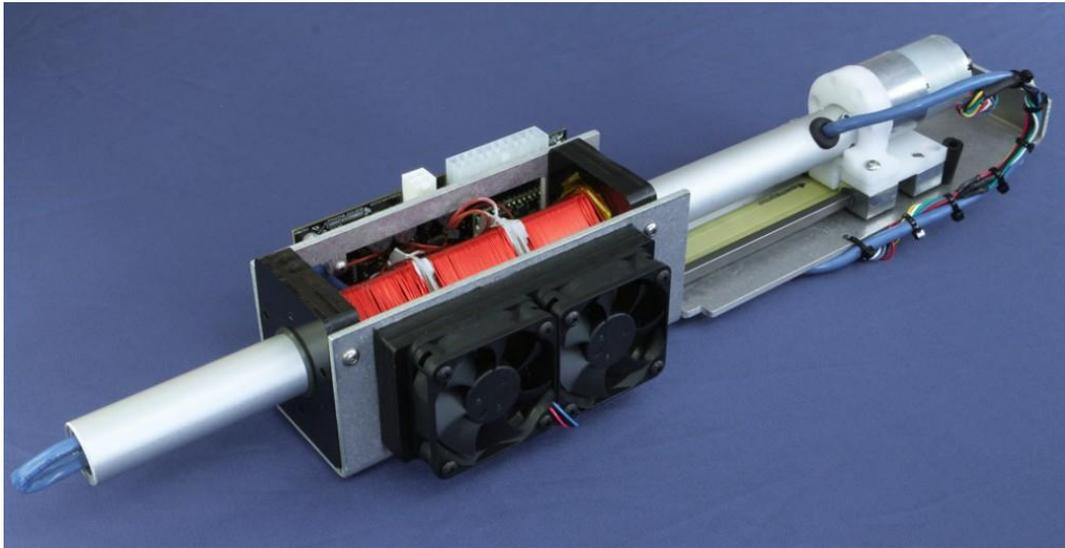
According to Patrick McFadden, President of Iris Dynamics “We’ve taken the control-loading technology from our stand-alone yoke systems and modularized it to make it a stand-alone device. We expect this product to be popular with OEMs and prosumer flight sim builders.”

Added McFadden, “We are excited to introduce control loading and haptic feedback for the next generation of flight training devices. It’s been available in multi-million dollar professional and military flight simulators for some time, but now we’ve dramatically lowered the cost so that every flight school can afford it. It transforms a flight training device from a clunky, passive procedures training into a highly interactive, realistic simulation of how an aircraft actually feels on the ground and in flight. We are changing the way people interact with machines, bringing a new dimension of realism that enhances the simulation experience.”

The Siilk 10001 is priced at \$945 and is available from www.irisdynamics.com. All devices are built to order and shipped within 3 weeks. Customization is available, please contact Iris Dynamics for more information.

Iris Dynamics Ltd. is a privately held Canadian advanced technology company that provides precision control-loading actuator systems for aerial, marine and terrestrial vehicles, factory automation, simulation and remote control.

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The Iris Dynamics Siilk™ Two-Axis Control Loading Actuator



The Iris Dynamics Control Loading Flight Yoke



For more information, Press only:

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