

The most hygienic *Tolomatic* stainless-steel integrated servo actuator for the most demanding of food and beverage processing applications

Bournemouth UK, April 2020: The Tolomatic IMA-S stainless-steel integrated servo actuator is designed for the most demanding of food and beverage processing applications.

Tolomatic IMA-S integrated electric servo actuators are designed to hygienic standards for eliminating harborage points and preventing bacterial growth. The 316 stainless-steel construction provides excellent corrosion resistance and withstands high pressure, high temperature and caustic wash-down. With its hygienic design and IP69k ingress protection rating, the IMA-S meets clean-in-place requirements, allowing machine designers to achieve open machine designs and eliminate shrouding required to house standard actuators.

The hollow rotor servo motor is integrated into the actuator housing. This creates a compact, hygienic motion module that facilitates conversion of pneumatic and hydraulic cylinder systems by increasing efficiency, motion control and eliminating product contamination risks.

The hygienic IMA-S series servo actuator offers forces up to 11.1 kN (2500 lbf), stroke lengths up to 450 mm (18 inches) and options for planetary roller screws or ball screws. A proprietary lubrication feature helps extend service life.

Feedback options include multi-turn absolute encoders (Hiperface DSL, Hiperface Sin-Cos, EnDat 2.2), incremental encoder, and a resolver to integrate with most PLC or control system. Motor files for Rockwell Automation (Allen Bradley) Kinetix motion platform are also available for quick integration. Flexible mounting options include front face, front flange and rear clevis. Additional options include a replaceable IP69k seal cartridge, approved FDA seal material, and EHEDG fasteners.

"The IMA-S actuator from Tolomatic Inc. was designed to meet food and beverage industry trends towards more open machine designs requiring hygienic, clean-in-place, linear motion solutions," said Steve McKay, MD of Motion Control Products Ltd. "Throughout the design process, Tolomatic analysed and incorporated feedback from industry-leading OEMs into the design, ensuring the IMA-S eliminates many of the challenges and concerns the industry sees with standard actuators and historical fluid power motion solutions that have traditionally been implemented."

For more technical information, please visit our website <https://www.motioncontrolproducts.com/linear-electric-actuators/industrial-linear-actuators/> or contact our sales team at +44 (0)1202 599922.

High resolution images available

Since 1994 **Motion Control Products Limited** has been at the forefront of advanced motion control and automation with the supply of our extensive range of products. These include motors, drives, integrated motors with electronics, gearboxes, actuators, multi-axis controllers, collaborative robots and mechanical components to suit the widest range of Original Equipment Manufacturers (OEM's) application needs. MCP's electric and mechanical products are used in a variety of industries, including the packaging, material handling, medical, food processing, automotive, semiconductor and general automation industries.

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