

Contact:

Raj Bhavsar

Diakont

Phone: (858) 551-5551

3853 Calle Fortunada

San Diego, CA 92123

www.diakont.com



PRESS RELEASE

DIAKONT ELECTRIC ACTUATORS INCREASE RESISTANCE WELDING PERFORMANCE

FOR IMMEDIATE RELEASE

November 10, 2016

San Diego, California – Diakont electric servo actuators have been shown to outperform and outlast other motion control solutions in real-world weld gun and pedestal welder applications, resulting in optimal yield and weld quality. With a service lifetime of upwards of 30 million lifetime welding cycles with highly-repeatable forces up to 18kN, Diakont actuators boast between 300% and 500% the longevity of competitor welding solutions on the market. This best-in-class lifetime is due to optimized inverted planetary roller screw thread design, tight machining accuracy, and specialized hardening processes.

Featuring an integrated permanent magnet synchronous motor (PMSM) paired with a precisely machined roller screw, Diakont electric actuators are also remarkably lightweight and compact. Diakont C-type and X-type weld gun actuators, for instance, start at 10.6 kg, making them one of the most lightweight solutions in the welding industry. For particularly lightweight servo guns, Diakont also offers actuators starting at 5 kg. Application of these lightweight actuators and servo guns allows the final customer to deploy smaller robots, resulting in a more efficient production space layout, in addition to cost savings. Diakont actuators are produced in high volume with just in time delivery.

Weld guns with integrated Diakont electric servo actuators are used to produce the highest quality resistance welds, at maximal productivity levels. Taking into consideration the special requirements of the welding industry, such as radial force, Diakont also offers special options such as custom mounting, extra radial load support, internal anti-rotation, a compact brake, optional water cooling, and manual drive. "The new resistance welding electric servo actuator product line uses high-precision roller screws that provide the highest level of durability and consistent weld force," said Raj Bhavsar, Sales Engineer from Diakont's Advanced Technologies Division. "Diakont is utilizing its expertise from years of industrial actuator development to supply a reliable, high-quality product to our customers."

About Diakont

Diakont is a provider of high-tech solutions that enhance the safety and economy of the manufacturing and energy industries. Diakont is a global company with its North American headquarters located in San Diego, CA. The company is an innovator in electric motion control, high-tech vision components, and inspection equipment.

###

Contact:

Raj Bhavsar

[Diakont](#)

Tel: 858-551-5551 x268

Email: rbhavsar@diakont.us.com