



New Product Launch: IG9190 Gear Servo Actuator

Servo Components and Systems Partners with PMW Dynamics to Introduce IG9190 Actuator, Revolutionising Industrial and Agricultural Automation

Servo Components and Systems, a distinguished distributor of cutting-edge automation solutions, is delighted to unveil PMW Dynamics' latest IG9190 Rotary Actuator, a groundbreaking innovation poised to transform both industrial and agricultural automation sectors.

Specifically designed to meet the exacting demands of agricultural robotic applications, the IG9190 Actuator embodies versatility and reliability, making it an indispensable asset in industrial settings as well.

Servo Components and Systems recognises the immense potential of the IG9190 to address the evolving needs of both industrial and agricultural machine builders, and invites its customers to investigate further how they too can benefit from implementing this innovative solution.

Compact & Powerful Design: With the 500W version measuring just 220mm long. The IG9190 boasts a compact and rugged design, making it ideal for integration into robotic platforms without compromising agility or mobility.

Its ultra compact design allows it to be integrated into the wheel itself reducing the overall size of the unit and keeping the moving parts away from crops.



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KEY HIGHLIGHTS OF THE IG9190 ROTARY ACTUATOR

High Torque & Precision Control: With a focus on precision farming, the IG9190 delivers high torque and precise control, enabling agricultural robots to execute tasks with unparalleled accuracy, reducing waste and maximising productivity. With a torque performance range from 14 to 144 Nm Continuous (46 to 353 Nm Peak) and designed to work with all industry leading drive manufacturers unit. The IG9190 provides maximum flexibility for the size, cost and function of the robotic platform

Durability & Reliability: Built with durability in mind, the IG9190 is designed as a sealed unit with an operating lifetime of 20,000 hours. No maintenance is required on either of the models (IP54 and IP65 rated) and the gearbox element has a lifetime lubrication, ensuring reliable performance even in the harshest agricultural environments. This longevity minimises downtime and maintenance costs for farmers

All-in-One Unit: The IG9190 combines a motor, gearbox, brake, and encoder into a ready-to-go unit. With the choice of power and drive option it can be easily adapted into any application saving time, complexity, and size. With a unit diameter of 124mm and a unit length of just 220-290mm the IG9190 delivers maximum performance in minimum size

Adaptable Connectivity: The IG9190 is designed with adaptable connectivity options, facilitating seamless integration with a variety of robotic platforms and control systems, providing flexibility and ease of use.

Energy-Efficient Operation: Engineered to optimise energy consumption, the IG 9190 promotes sustainability in agricultural practices by minimising power usage without compromising performance. The IG9190 is available in power ranges of 500W, 1Kw and 1.5Kw and operating voltages of 24v, 48v and 72v for maximum flexibility and compatibility.

Contact Servo Components and Systems today for more information

"As a leading distributor of automation components, we are thrilled to collaborate with PMW Dynamics in introducing the IG9190 Actuator to our valued clients."

"The IG9190's exceptional capabilities make it a game-changer in both industrial and agricultural automation, aligning perfectly with our commitment to delivering cutting-edge solutions that drive productivity and sustainability."

James Whitehorn
Director of Sales at Servo Components and Systems