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SEW-EURODRIVE Expands PxG® Servo Portfolio with New Economy Series

Wellford, S.C. — SEW-EURODRIVE has expanded its PxG® planetary servo gear unit portfolio with the introduction of the PxG® economy series, adding three performance classes for machine builders and OEMs seeking cost-effective servo performance for standard industrial automation applications.

The new P1.G, P2.G and P3.G gear units extend the existing PxG® family below the P5.G, P6.G and P7.G precision range. The expanded portfolio allows customers to match gear unit performance more closely to application requirements rather than specifying higher levels of precision, torque capacity or load capability than the machine requires.

Right-Sized Performance for Standard Automation

The PxG® economy series is designed for applications with low to medium technical requirements. Typical uses include packaging equipment, assembly machinery, material handling systems, carton erectors, gantry robots, and machine tool portals.

Each performance class addresses a different level of mechanical demand. P1.G is intended for standard applications with relatively low overhung loads. P2.G provides additional load capacity for applications with increased radial forces. P3.G combines cost-optimized straight gearing with higher-capacity bearings for applications requiring greater mechanical strength while remaining within project budget constraints.

A Broader Modular Servo Platform

The PxG® economy series is available in five sizes with peak torque ratings from 11 to 500 Nm. The gear units are offered in one- and two-stage configurations, provide rotational clearance from 6 to 12 arcminutes, and have a rated service life of more than 20,000 hours.

The modular system includes solid-shaft designs with smooth, keyed or splined output options, depending on the performance class. Food-grade lubrication options and multiple mounting interfaces support use across a range of machine designs. The series is also integrated into SEW-EURODRIVE engineering tools, including SEW-Workbench, DriveCAD and DriveConfigurator, to support selection and system design.

Benefits for Machine Builders

The PxG® economy series expands customer choice across the servo portfolio by providing:

- **Cost-optimized performance:** Three application-focused performance classes help reduce unnecessary over-specification.
- **Simplified selection:** Clear differences in load capacity and application range make it easier to match the gear unit to the machine.
- **Flexible integration:** Mailable interfaces and with shaft and mounting options support new machine designs and drive replacements.
- **Long-term reliability:** More than 20,000 hours of rated service life supports dependable operation in dynamic automation applications.
- **Scalable portfolio coverage:** Customers can select economy or precision performance within the same PxG® product family as application requirements change.

Expanding Customer Choice

The new economy range complements the existing PxG® precision portfolio with a lower-cost option. Together, the economy and precision series give customers a broader range of planetary servo gear units within one modular platform.

*“Every automation application has different performance requirements,” said **Anecia Hoffield, Servo Product Manager, at SEW-EURODRIVE.***

“The PxG® economy series gives machine builders more flexibility to select the performance their machines actually need while maintaining the quality, engineering support and long-term reliability they expect from SEW-EURODRIVE.”

The introduction of the PxG® economy series continues SEW-EURODRIVE's expansion of modular motion solutions designed to help OEMs balance machine performance, system cost and long-term operating value.

About SEW-EURODRIVE

SEW-EURODRIVE is a global leader in drive technology, providing innovative solutions for heavy industrial industries for over 90 years. The key to our competitive advantage lies in creating innovative energy-efficient solutions: from the modular system of drive components to the cost-effective drive packages that are custom made for specific applications.

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