

Press release

## **Fine Cyclo B Series, smartris & NEO Essential Series: Sumitomo Drive Technologies showcases next-generation drive solutions at SPS Italia**

High-precision, compact and flexible solutions for industry, robotics and automation

*Markt Indersdorf (Germany), 13 April 2026*

At SPS Italia 2026 in Parma (26–28 May, Hall 5, Stand L021), Sumitomo Drive Technologies, together with the Lafert Group, will present the latest drive solutions for high-precision applications in industry, automation and robotics.

The focus will be on the launch of the Fine Cyclo® B series as the next generation of precision gearboxes, as well as smartris, an integrated plug-and-play drive system for automated guided vehicles (AGVs) and autonomous mobile robots (AMRs), which is now also available for the first time with the new Compact Plus drive controller. The exhibition stand is complemented by the NEO Essential series, a compact and cost-effective product line for standard applications.

### **Fine Cyclo B Series: Compact, powerful, versatile**

The new Fine Cyclo series from Sumitomo Drive Technologies combines a compact design with maximum precision and performance for highly dynamic machine solutions. The precision gearboxes with Cyclo technology cover outer diameters from 120 to 231 mm and transmit acceleration torques from 417 to 4,000 Nm. In the overload range, peak torques of up to 8,000 Nm (emergency stop) are possible. The gearboxes in the new Fine Cyclo B series ensure zero backlash, precise concentricity and parallelism, high torsional rigidity, and dynamic movement even under peak loads. Thanks to their single-stage design, modular reduction ratios (29–179:1) and direct motor connection, they can be integrated into machines in a particularly compact manner.

The Fine Cyclo B series comprises two variants that cover different integration requirements: the F4C-B type with integrated main bearing, a compact plug-and-play gearbox with high rigidity, precise transmission accuracy and immediate operational readiness, which can be flexibly adapted to different automation tasks in four sizes.

The FC-B KIT type, on the other hand, is a modular precision gearbox for custom machine solutions, offering maximum design freedom, precise torque transmission and a wide range of reduction options.

Both variants combine precision, flexibility and robustness for highly dynamic applications. This allows the series to be optimally adapted to different requirements in industry and robotics.

More detailed information on the Fine Cyclo B series is contained in a separate press release to be published on 20 May.

## **New highlight: Smartris debuts with the “Compact Plus” servo drive**

As a further trade fair highlight, Sumitomo Drive Technologies is presenting the smartris AGV/AMR solution, a compact plug-and-play drive package for automated guided vehicles and autonomous mobile robots. Smartris, a joint development with the Lafert Group, combines a cycloidal gearbox, servo motor and drive controller in a coordinated complete system. The solution is available in three sizes and various configurations with numerous options, and is particularly suitable for vehicles with differential drive. Smartris enables fast, flexible and quiet movement of autonomous systems and facilitates integration into existing AGV and AMR applications.

At SPS Italia 2026, Sumitomo Drive Technologies is now also showcasing Smartris for the first time with the new Compact Plus drive controller, which covers all sizes and can be flexibly integrated into a wide variety of applications. With EtherCAT and PROFINET interfaces, commissioning is particularly quick and easy. Advanced safety functions such as STO (SIL3) and SBC (SIL3) ensure maximum operational safety, whilst position control enables precise motion profiles.

## **NEO Essential series: compact and cost-effective drive solutions for standard applications**

The NEO Essential series, first unveiled in November 2025 at the SPS in Nuremberg, represents a portfolio expansion that combines proven gear technology in a compact and cost-effective package.

It comprises four product lines:

- **Prest NEO:** quiet and space-saving helical gear motors for standard applications
- **Altax NEO:** cyclo-gear motors with high shock and overload capacity
- **Hyponic NEO:** right-angle gearmotors for efficient power transmission
- **Planetra NEO:** robust planetary gearboxes for high radial and axial loads

The series enables rapid integration, maintenance-free operation and reliable performance. It is aimed in particular at users seeking compact, cost-effective solutions for standard applications.

### **Available images**

Images are available for download at: <https://emeia.sumitomodrive.com/de/pressemappen>



Image source: Sumitomo Drive Technologies

**Fine Cyclo B Series: Small in diameter. Big on performance.**



Image source: Sumitomo Drive Technologies

**Fine Cyclo B Series cutaway model: compact, torsionally rigid and highly precise for demanding industrial applications**

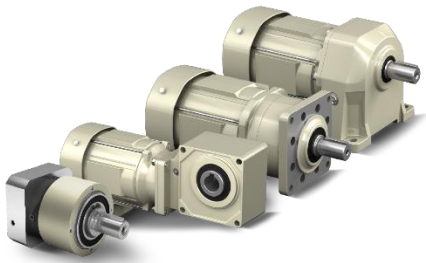


Image source: Sumitomo Drive Technologies

**NEO Essential series: Planetra NEO, Hyponic NEO, Altax NEO and Prest NEO**



Image source: Sumitomo Drive Technologies

**Smartris with the new Compact Drive Plus for even more compact automated guided vehicles.**

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## About Sumitomo Drive Technologies

Sumitomo Drive Technologies is a leading global provider of drive and control solutions, supplying gear motors, gearboxes and related services to numerous industries. With a long-standing commitment to technical excellence, product reliability and customer support, Sumitomo Drive Technologies helps manufacturers worldwide to increase uptime, efficiency and performance.

### Drive technology close to the customer – worldwide

With ten production sites, over 30 assembly plants, 250 sales offices and around 7,000 employees across five continents, Sumitomo Drive Technologies has an extensive network to meet regional customer requirements worldwide.

Sumitomo Drive Technologies is part of Sumitomo Heavy Industries Ltd., one of the largest corporate groups in Japan and the world, with an annual turnover of around €7 billion.

**Further information at: [www.sumitomodrive.com](http://www.sumitomodrive.com)**

### Press contact:

Sumitomo Drive Technologies  
Lisa Kaltwasser  
Cyclostraße 92  
85229 Markt Indersdorf  
Germany  
Telephone: +49 8136 66 168  
Email: [lisa.kaltwasser@shi-g.com](mailto:lisa.kaltwasser@shi-g.com)  
Website: [www.sumitomodrive.com](http://www.sumitomodrive.com)