

**For Immediate Release****March 18, 2026****PRESS RESOURCES:**[Download Images](#) | [View Online](#) | [Contact Us](#)**CONTACT: Joe Tetzl**  
Marketing Supervisor  
SEW-EURODRIVE - USA  
JTetzl@seweurodrive.com  
+1 (864) 661-1236  
www.seweurodrive.com

## **MAXOLUTION® Introduces a Standardized Mobile Robotic Platform with Contactless Charging**

**More uptime. Faster integration. Expansion-ready.**

**WELLFORD, SC** - MAXOLUTION®, an SEW-EURODRIVE Company, has introduced the **Mobile Robot Platform 1600 (MR P1600)**, a standardized, modular mobile robot platform designed to move heavy loads, such as pallets, through factories and warehouses, with less manual handling and more consistent material flow.

Two challenges often limit mobile vehicle performance: downtime during charging and integration complexity. The MR P1600 addresses both with a standardized platform that simplifies integration and scalability.

- **More uptime, less charging interruptions:** MR P1600 can be configured for contactless, inductive charging using [MOVITRANS® spot](#) or [MOVITRANS® line](#) solutions, reducing long charging breaks and keeping vehicles available to move material.
- **Faster integration:** The MR P1600 simplifies integration of existing material flow, lowers project risk, and accelerates time to deployment.
- **Start small, scale smart:** As a standardized platform with modular load-handling options, MR P1600 supports easily scalable expansion, so operations can begin with a small fleet and expand without switching systems.

*“Operations choose automation that delivers reliable material flow and scales easily. MR P1600 combines a standardized platform with contactless charging to keep vehicles moving, simplify integration, and support scalable expansion as needs change.”*

**- Caleb Boles, MAXOLUTION Sales Engineer**

### **Designed for pallet transport and scalable intralogistics**

MR P1600 is engineered for logistics and assembly environments where pallet movement and material supply must be reliable shift after shift. The platform supports configurable load-handling options, including conveyor transfer, lift, drive-under, and precise docking, using standardized material transfer attachments or custom-engineered load handling.

Performance features include:

- **Payload capacity and speed:** up to 1600 kg load capacity, speeds up to 1.6 m/s, and  $\pm 7\%$  grade.
- **Repeatable transfers:** precise positioning up to  $\pm 4$  mm supports consistent docking and conveyor handoffs.
- **Controls and safety integration:** interface options including 360 V + 24 V, EtherCAT, FSoE, and Safe I/Os for integration into modern automation standards.

- **Fleet connectivity:** WLAN communications and VDA 5050 support for fleet manager interoperability.
- **Energy options:** configurable energy storage and inductive power transfer capability with MOVITRANS® (up to 11 kW).

### Powered by SEW-EURODRIVE, supported by MAXOLUTION expertise

Built on SEW-EURODRIVE control technology and a standardized platform, the MR P1600 reduces deployment risk and simplifies maintenance. With MAXOLUTION's system and application expertise, it delivers proven integration support, along with the tools and training needed to deploy confidently and scale efficiently as needs grow.

### Availability

The MAXOLUTION® Mobile Robot Platform 1600 (MR P1600) is available through MAXOLUTION®, an SEW-EURODRIVE Company. To learn more or evaluate fit for pallet transport, material supply, process interlinking, and distribution workflows, contact your SEW-EURODRIVE representative or visit the [MAXOLUTION Website](#).

### About MAXOLUTION®

MAXOLUTION®, an SEW-EURODRIVE Company, is an automation specialist located in Wellford, SC that delivers complex factory automation solutions, from engineering and system integration to commissioning support for large-scale manufacturing and logistics operations. MAXOLUTION solutions are built largely on SEW-EURODRIVE drive technology and automation components, combining proven products with application expertise to deliver end-to-end performance.

### About SEW-EURODRIVE

Founded in 1931 in Bruchsal, Germany, SEW-EURODRIVE is a global leader in Industrial Automation, with operations in over 50 countries, 17 manufacturing plants, 92 assembly facilities, and more than 21,000 employees. The company holds over 1,000 patents, continuously driving technological advancements in gearmotors, frequency inverters, servo drives, and Industry 4.0 solutions.

SEW-EURODRIVE provides engineered solutions in countless industries, including automotive, food & beverage, pharmaceuticals, mining, steel, logistics, energy, and more, providing customized automation solutions that enhance efficiency, productivity, and sustainability. Despite its global reach, SEW-EURODRIVE remains family-owned, ensuring long-term vision, strong values, and a commitment to excellence.

### SEW-EURODRIVE. Driving the World™

220 Finch Road  
Wellford, SC 29385  
(P): (864) 439-7537  
[cs.usa@sewmaxolution.com](mailto:cs.usa@sewmaxolution.com)  
[www.sewmaxolution.com](http://www.sewmaxolution.com)  
[www.seweurodrive.com](http://www.seweurodrive.com)

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