SCHAEFFLER

Press and IR Release

Schaeffler and Humanoid enter strategic technology partnership

HERZOGENAURACH, GERMANY/LONDON, UK , *2026-01-13*.

- Schaeffler and British technology company Humanoid form strategic partnership to develop innovative components for humanoid robots
- Partnership includes supply agreement for actuators and purchase agreement for humanoids for Schaeffler's global production network
- Another milestone for Schaeffler in its quest to become a preferred technology partner in the humanoid robotics segment

Schaeffler continues to strengthen its position as a preferred technology partner for humanoid robotics by establishing a strategic technology partnership with British technology company Humanoid. The collaboration will focus on the development and supply of key components, including innovative actuators used in both wheeled-base and bipedal (two-legged) humanoids. Schaeffler is becoming the preferred supplier of actuators for wheeled systems. Moreover, Schaeffler is planning to integrate several hundred humanoids into its global production network over the next five years to further increase the automation and efficiency of its production processes. Together, both companies are collecting robot-specific and application-related data, to train AI models and continually optimize robot performance.

Klaus Rosenfeld, CEO of Schaeffler AG, says: "As a Motion Technology Company, we want to play a key role in the growing humanoid robotics market. To do so, we are relying on our decades-long manufacturing excellence and industrialization expertise. With Humanoid, we are gaining an attractive partner in Europe that will enable us to drive forward joint innovations in the field of humanoid robotics."

Artem Sokolov, CEO and founder of Humanoid, says: "For years, humanoid robotics has been taking place in labs, product demonstrations and 'proof-of-concepts', but real-life application in large volumes is the moment when the technology will truly be put to the test. At Humanoid, we firmly believe that the future of humanoid robotics will not be defined by the most impressive demonstrations but by its large-scale scalability and capacity for use in real-world environments. This large-scale use is an important step towards this future. It allows us to validate humanoids under real-world conditions and create a clear pathway to commercial use in the next few years. Together with Schaeffler, we will prove that humanoids can work in industrial environments reliably, safely and efficiently."

Actuator expertise for precise humanoid movements

Schaeffler offers an extensive range of products for humanoids, including scalable solutions like linear and rotary actuators for precise movements in robot joints. A key component of the partnership with Humanoid is the development and supply of Schaeffler strain wave gear actuators. These are produced using innovative manufacturing processes, including winding, surface mounting, and machining technology as well as assembly and testing technologies that ensure outstanding quality and reliability. Strain wave gear actuators are used primarily in the upper body, shoulders and arms of humanoid robots. Thanks to their outstanding weight/torque ratio and a large hollow shaft, they enable complete internal cabling of the actuators and extremities. The design is optimized for large production volumes and offers zero backlash, low friction, and excellent precision – ideal conditions for dynamic use and continuous load capacity in modern humanoid robots.

Andreas Schick, Chief Operating Officer of Schaeffler AG and the Executive Board member responsible for the company's humanoid activities, says: "Humanoid robots represent movement and precision at their best. With our comprehensive manufacturing excellence in high volumes, and strong vertical integration, we offer innovative products in the highest quality. The close integration of our development and production allows us to realize customized solutions that will take modern humanoid robots to a new level."

Forward-looking statements and projections

Certain statements in this press release are forward-looking statements. By their nature, forward-looking statements involve a number of risks, uncertainties and assumptions that could cause actual results or events to differ materially from those expressed or implied by the forward-looking statements. These risks, uncertainties and assumptions could adversely affect the outcome and financial consequences of the plans and events described herein. No one undertakes any obligation to publicly update or revise any forward-looking statement, whether as a result of new information, future events or otherwise. You should not place any undue reliance on forward-looking statements which speak only as of the date of this press release. Statements contained in this press release regarding past trends or events should not be taken as representation that such trends or events will continue in the future. The cautionary statements set out above should be considered in connection with any subsequent written or oral forward-looking statements that Schaeffler, or persons acting on its behalf, may issue.

***

Schaeffler Group – We pioneer motion: The Schaeffler Group has been driving forward groundbreaking inventions and developments in the field of motion technology for 80 years. With innovative

technologies, products, and services for electric mobility, chassis solutions, and renewable energies, the company is a reliable partner for making motion more efficient, intelligent, and sustainable – over the entire life cycle. Schaeffler describes its comprehensive range of products and services by means of eight product families: from bearing solutions and all types of linear guidance systems through to repair and monitoring services. With around 110,000 employees and more than 250 locations in 55 countries, Schaeffler is one of the world's largest family-owned companies and ranks among Germany's most innovative companies.

(from left) Georg F. W. Schaeffler, family shareholder and Chairman of the Supervisory Board of Schaeffler AG, Artem Sokolov, CEO and founder of Humanoid, and Klaus Rosenfeld, CEO of Schaeffler AG, sealed the technology partnership at the CES in Las Vegas. (Photo: Schaeffler)

Download

Schaeffler's innovative strain wave gear actuator combines precision and lightweight design for use in modern humanoid robots. (Photo: Schaeffler

Download

Schaeffler will integrate humanoid robots from Humanoid into its global production network. (Bild: Schaeffler)

Download

CONTACT:

Dr. Axel Lüdeke
Head of Group Communications & Public Affairs Schaeffler Group
Tel.: +49 9132 82-8901
E-Mail: axel.luedeke@schaeffler.com

Heiko Eber
Head of Investor Relations
Tel.: +49 9132 82-88125
E-Mail: heiko.eber@schaeffler.com

Daniel Pokorny
Head of Communications Technology, Operations & Digitalization
Tel.: +49 9132 82-88708
E-Mail: daniel.pokorny@schaeffler.com