

CJ Logistics: Humanoid Robots Move From Lab to Live Warehouse Floor

MANAGEMENT SUMMARY & CORE TAKEAWAY

On September 3, 2026, CJ Logistics became the first Korean logistics operator to run two dual-arm humanoid robots on a live packing line, not a pilot. The robots use an in-house Robot Foundation Model to recognise and grasp unfamiliar products. Scaling still requires proprietary training data and realistic expectations.

CONTEXT & EXECUTIVE RELEVANCE

On September 3, 2026, CJ Logistics became the first Korean logistics operator to put two dual-arm humanoid robots to work on a real packing line at its Yangji distribution centre in Yongin. This was not a lab demo or an isolated pilot — the robots operate during live shifts for Olive Young, inside day-to-day operations. That distinction is what makes the announcement notable: Physical AI has moved from a controlled environment into productive reality.

This is made possible by an in-house Robot Foundation Model (RFM) that CJ Logistics developed itself. It fuses camera and sensor data with simulation so the robots can recognise unfamiliar products, plan the right grasp, and adjust to changing box sizes and materials on the fly. The ambition goes beyond packing: daily footage from live operations is meant to become training data, extending the same model to picking, sorting, and inspection over time.

CORE ACTION ITEMS

- 01 Wandercraft (France): 12 customers signed for its Calvin-40 industrial humanoid, with Renault planning to deploy 350 units within 18 months.
- 02 Hyundai Motor Group: more than 25,000 Atlas units planned across global plants by 2030.
- 03 Minth/AgiBot: opened Europe's first humanoid mass-production facility in Serbia, with capacity for 5,000 units a year, scaling toward 20,000.
- 04 Tesla: roughly 1,000 Optimus units at Fremont and Giga Texas, used primarily for learning and data collection rather than material production.

SWISS COMPLIANCE & ARCHITECTURE GUIDELINES

- ☑ Full compliance with revised Swiss Data Protection Act (revDSG).
- ☑ Zero vendor lock-in on closed proprietary models.
- ☑ Seamless integration into Abacus, Bexio and M365 ecosystems.

Non-Binding Process Analysis

Let us review in 20 minutes where AI agents create immediate measurable efficiency in your workflows.

ki-outsourcing.ch