

GLOSSARY OF TECHNICAL TERMS

This glossary of technical terms contains definitions of certain terms used in this document in connection with our Group and our business. Some of these may not correspond to standard industry definitions or usage of these terms.

“AGV”	Automated Guided Vehicle, a type of driverless, self-propelled robot designed to transport loads autonomously along predefined paths
“arm span”	the maximum distance the robot’s arm or end effector can extend
“axis” or “axes”	a degree of freedom in a robot’s movement
“CAGR”	compound annual growth rate
“collaborative robot”	also known as cobot, are designed to work alongside humans in a shared workspace
“composite robot”	a robot system that combines elements from different types of robots to achieve functionality and performance
“controller”	a system connected to the robot in order to control the movements of the robots
“degree of freedom”	the count of independent axis of motion that a robotic system can autonomously manipulate to perform tasks
“embodied intelligent robot”	robot with embodied artificial intelligence, which enables them to perceive, learn from, and dynamically interact with their environment
“EV”	electric vehicle, a motor vehicle whose propulsion is powered fully or mostly by electricity
“four-axis industrial robot”	a type of robot with four-degree-of-freedom
“Harmonic drive”	a mechanical speed-changing device that reduces the gear ratio of a rotary machine to increase torque
“motion control”	the technology governing the precise movement of robotic components through algorithms that coordinate velocity, acceleration, and positioning to achieve smooth and accurate mechanical actions
“OS”	Operating System, a system software that manages computer hardware and software resources, and provides common services for computer programs
“payload”	the maximum weight that the robot can handle while performing its tasks
“plug-and-play”	system, device or process designed to work immediately once connected or installed, without requiring complex setup

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“RV reducer”	specialized reducers designed for industrial robot joints
“SCARA”	Selective Compliance Assembly Robot Arm, a type of articulated robot where the robot can move freely and maintain stiffness in three axes while being compliant in the final axis
“six-axis industrial robot”	a type of articulated robot with six-degree-of-freedom
“TCP”	Tool Center Point, the point where the robot’s tool meets the workpiece
“WMS”	Warehouse Management System, a software that helps companies manage and control daily warehouse operations
“3C”	computer, communication and consumer electronics
“3D”	three spatial dimensions of width, height and depth