

## **NEW ANYLOGIC MATERIAL HANDLING LIBRARY**

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### **ABSTRACT**

The new AnyLogic Material Handling Library simplifies the simulation of complex manufacturing systems and operations. It can be used to design detailed models of production and storage facilities and manage material workflows inside four walls. The digital factory model, created with the material handling simulation toolkit, can help test and optimize production, transportation, and inventory policies, as well as reduce possible errors and material flow delays on the factory floor. In conveyor network models, created with the Material Handling Library, users can apply default or set up custom routing strategies for material items, industrial robots, manufacturing machines, and operators. Simulated AGVs and other transporters automatically avoid collisions, detect possible deadlocks, and resolve them.