



SIMATIC  
Robot Pick  
AI

SIMATIC  
Robot  
Library

AZO

# AZO automates bag handling with SIMATIC Robot Pick AI

## Customer Challenge

- Manual depalletizing and handling of bags (e.g., sacks of material) is labor-intensive, prone to errors and difficult to scale efficiently in industrial material handling applications. AZO needed a solution that could reliably pick up irregularly shaped bags of different sizes and reduce manual intervention while moving toward smart, flexible intralogistics.

## Solution

- AZO implemented an **AI-assisted robotic bin-picking solution** using **Siemens SIMATIC Robot Pick AI**. This pre-trained deep-learning vision software enables robots to identify and autonomously pick bags from pallets or bins without requiring prior object-specific programming.

## Customer benefit

- **Higher efficiency & throughput:** Automated bag depalletizing accelerates material handling and reduces cycle times compared to manual operations.
- **Fewer errors & consistent performance:** AI-based vision ensures reliable identification and gripping of irregular bag shapes with minimal supervision.
- **Future-ready automation:** The adaptive bin-picking solution brings AZO closer to smart intralogistics and flexible Industry 4.0 workflows

**SIEMENS**