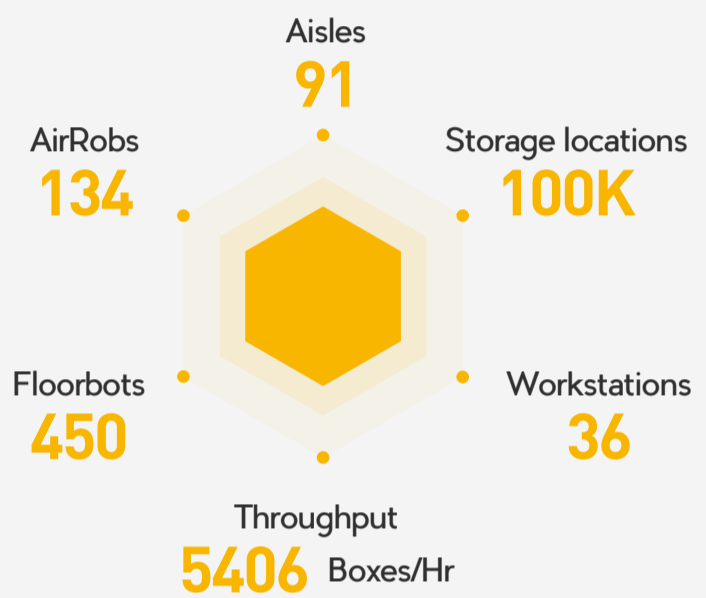**SKECHERS**

AirRob

Skechers, a renowned sports brand, holds high standards and strict demands for logistics efficiency. At the Skechers Logistics warehouse site, the clearance is merely 3.7 meters, with a ground load capacity of just a few hundred kilograms per square meter. Moreover, the ground surface isn't entirely flat. With ongoing manual operations that cannot cease for a day, an automated solution is imperative. The requirements include doubling the inventory, reducing personnel by two-thirds, and achieving a return on investment within five years.

Project Details

Aisles
91

AirRobs
134

Storage locations
100K

Floorbots
450

Workstations
36

Throughput
5406 Boxes/Hr

Project Highlights

Ground Load-bearing Capacity

Skechers Warehouse, a typical multi-story structure, faces challenges with limited ground load-bearing capacity during its automation upgrade. However, AirRob System's lightweight deployment characteristic eliminates the burden on warehouse load-bearing capacity.

Adapting To Existing Racks

AirRob system can adapt to most racks and does not require any special treatment of the ground. This innovative solution not only allows Skechers to upgrade old warehouses on existing foundations but also saves on renovation costs.

Height Clearance Restriction

At the project site, the warehouse has a clear height of only 3.7 meters, which makes it impossible to boost the effective storage capacity by raising racks. Nonetheless, AirRob system's narrow aisle advantage, with aisles as narrow as 0.85 meters, conserves floor space, boosts the number of racks, and greatly enhances the effective storage capacity.

Boosting Warehouse Efficiency

The deployment and operation of AirRob system have brought significant benefits. By automating the entire area, manual handling and temporary storage space have been greatly reduced, resulting in a 50% saving in warehouse space and an increased storage rate. Compared to before, this not only saves labor costs and improves the working environment but also enhances overall operational efficiency.