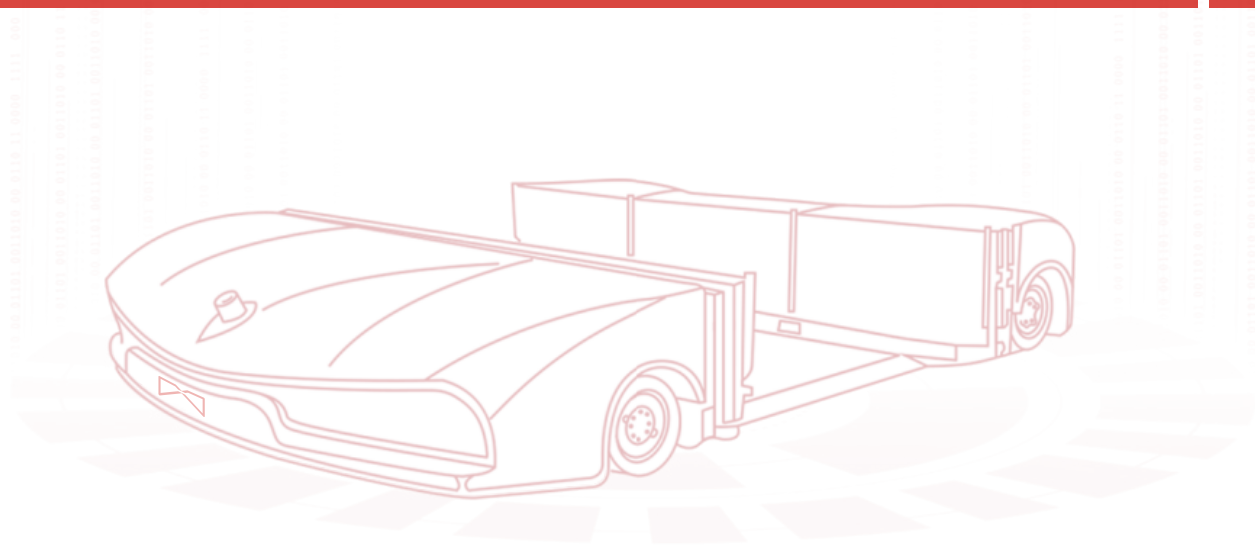


# Kelun Medicine & Trade's Intelligent Logistics Center Upgrade Project





## Customer Profile

Sichuan Kelun Medicine & Trade Group Co., LTD., a wholly-owned subsidiary of Sichuan Kelun Industrial Group, has set up a pharmaceutical subordinate. As one of the world's largest professional manufacturers of intravenous injection and the top 50 pharmaceutical enterprises in China, Sichuan Kelun Industrial Group reached an annual production and sales volume of 1.4 billion bottles (bags) in 2005.

Kelun Medicine & Trade, founded in 2003 under the business section of Kelun Group, is one of the first large pharmaceutical enterprises in Sichuan Province to obtain the national GSP certification. With sales of over CNY 4 billion in 2007, it is recognized as the largest modern pharmaceutical logistics center in western China.

Kelun Medicine & Trade delivers Chinese and Western medicines of more than 16,000 specifications. Kelun Medicine &

Trade introduced the multi-level "goods-to-person" shuttle system designed by HWArobotics to the modern logistics center intelligent upgrading project. This will improve the service capabilities of its warehousing and logistics system, help Kelun Medicine & Trade provide more efficient and premium pharmaceutical distribution services for its distributors and customers, and provide robust support for its own business growth.

## Pain Points

1. As the volume of business grows significantly, the existing logistics system cannot meet the requirements of distribution indicators, and a higher picking efficiency is required.
2. There are a rich variety of products that require a high storage capacity and involve a large number of split picking operations

and complex processes.

## Project Introduction

The modern logistics center project of Sichuan Kelun Medicine & Trade Group is located in Xindu District, Chengdu. The planning area of the project is about 100,000 square meters, including around 60,667 square meters of land planned for the first phase of the warehousing and logistics base. The construction area of the phase I project is over 80,000 square meters, and the total investment in the logistics system is over CNY 100 million.

This center mainly consists of a high-bay AS/RS system that covers an area of 12,000 square meters and multi-level warehouse buildings that cover an area of 14,400 square meters. This center involves the split picking operations of 60,000 SKUs. The logistics system offers a storage capacity of 800,000 items and a daily throughput of 130,000 items, which can meet the distribution requirements of the annual sales orders amounting to CNY 20 billion of Kelun Medicine & Trade.



## Project Highlights

### 1. "Goods-to-person" automatic split picking

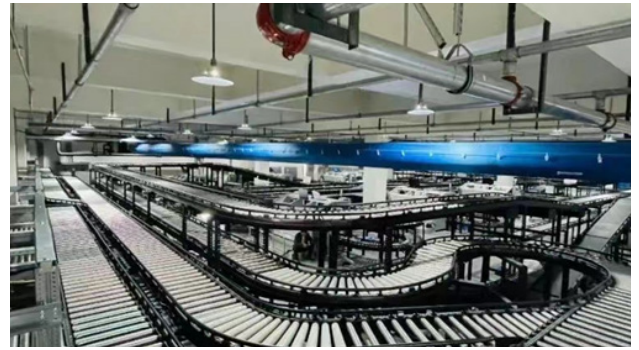
To handle the complicated split picking process, the modern logistics center of

Kelun Medicine & Trade has adopted the multi-level AS/RS shuttle system developed by HWArobotics using 78 SLS320 standard case-handling shuttles to manage the inbound and outbound flows in a 6-aisle AS/RS containing 33,000+ storage positions. This helps enable goods-to-person automatic broken case picking and a system compound throughput of up to 6,000 cases per hour.

### 2. Various supporting facilities help create full-process intelligent warehousing

The logistics center is also equipped with advanced logistics facilities and equipment such as PGC500 modular conveyors, PSD310 double-layer sorting stations, flow racks, shelf racks, RFID, inspecting and packing stations, automatic labeling machines, spiral lifts, and high-speed sorters. In addition, the order processing system (OPS), warehouse equipment control system (WCS), and warehouse operation management system (WMS) add efficiency and intelligence to the entire split picking process, taking it to a truly high level in the world.

HWArobotics has provided logistics solutions for many famous companies, such as Sinopharm Group Jiangsu Co., Ltd., China Resources Pharmaceutical Group Limited, KPC Pharmaceuticals, Inc., Cowell Health, and Sichuan Kelun Medicine & Trade Group Co., LTD. HWArobotics has always committed to and made great achievements in the pharmaceutical industry. Its industry-leading solutions and excellent services have won the loyalty of many customers. In the future, HWArobotics still will focus on empowering the smart pharmaceutical supply chain with advanced solutions, helping simplify pharmaceutical logistics and implement intelligent upgrading.





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