



Future Leader of Smart Factory Automation

SMC has implemented the very first automation system in Korea, making inroads into worldwide smart factory automation system to realize its business value



Overview

IKEA – Songjiang

Period: 2005.12 ~ 2007.12

IKEA was established in 1943 as a Swedish furniture manufacturing company and has developed into a famous DIY product that can be assembled by consumers at low prices. IKEA's Shanghai project initiated with expansion and distribution strategy for Northeast Asia with an investment of US \$ 82 million. SMC installed ASRS in IKEA's area in western Shanghai which is equipped with logistics center with automatic storage and retrieval system.

- EURO pallet Rack : 61,152 Cell
- Double deep fork Stacker crane : 8 Set's
- Liner RGV : 2 Set's
- IKEA pallet Rack : 16,240 Cell
- Single deep fork Stacker crane : 4 Set's
- Auto_Lift : 2 Set's



Equipment Specification

Rack



EURO Pallet Rack Type

- ✓ EURO Pallet Size : 800W x 1200L x 150H
- ✓ Load Size : 1000W x 1400L x 1200H / 2300H
- ✓ Load Weight : Max.750 Kg/pallet

IKEA Pallet Rack Typ

- ✓ IKEA Pallet Size : 800W x 2000L x 150H
- ✓ Load Size : 1000W x 2300L x 1200H / 2300H
- ✓ Load Weight : Max.850 Kg/pallet

Stacker Crane

EURO Pallet Stacker crane

- ✓ Double Deep Fork Type : 8 Set 's
- ✓ Drive Speed : 240 / 5 m/min
- ✓ Lift Speed : 60 / 5 m/min
- ✓ Fork Speed : 60 / 5 m/min

IKEA Pallet Stacker crane

- ✓ Single Deep Fork Type : 4 Set's
- ✓ Drive Speed : 240 / 5 m/min
- ✓ Lift Speed : 60 / 5 m/min
- ✓ Fork Speed : 60 / 5 m/min



Linear RGV

- ✓ One Rail Two RGV Moving Type
- ✓ EURO&IKEA Pallet Handling RGV: 2 Set's
- ✓ Drive Speed : 240 / 5 m/min
- ✓ Feeding Speed : 30 m/min

Auto_Lift

- ✓ Wire Rope Type
- ✓ EURO&IKEA Pallet Handling Auto Lift: 2 Set's
- ✓ Drive Speed : 240 / 5 m/min
- ✓ Feeding Speed : 30 m/min

Overview

IKEA – Fengxian

Period: 2007.07 ~ 2009.06

IKEA established distribution center in Fengxian which is being developed as a logistics base for rapid access to the port of mass production with an investment of more than US \$ 120 million by accelerating the establishment of the store. SMC built ASRS with logistics center function for ASRS of Fengxian bonded warehouses in China.

- EURO pallet Rack : 90,960 Cell
- Double deep fork Stacker crane: 12 Set's
- Liner RGV : 2 Set's
- IKEA pallet Rack : 8,052 Cell
- Single deep fork Stacker crane : 2 Set's
- Auto_Lift : 2 Set's



Equipment Specification

RACK

EURO Pallet Rack Type : 90,960 Cell

- ✓ EURO Pallet Size : 800W x 1200L x 150H
- ✓ Load Size : 1000W x 1400L x 1200H / 2300H
- ✓ Load Weight : Max.750 Kg/pallet

IKEA Pallet Rack Type : 8,052 Cell

- ✓ KEA Pallet Size : 800W x 2000L x 150H
- ✓ 1000W x 2300L x 1200H / 2300H
- ✓ Load Weight : Max.850 Kg/pallet

Stacker crane

EURO Pallet Stacker crane

- ✓ Double Deep Fork & Cabin Type : 12 Set's
- ✓ Drive Speed : 240 / 5 m/min
- ✓ Lift Speed : 60 / 5 m/min
- ✓ Fork Speed : 60 / 5 m/min

IKEA Pallet Stacker crane

- ✓ Single Deep Fork & Cabin Type : 2 Set's
- ✓ Drive Speed : 240 / 5 m/min
- ✓ Lift Speed : 60 / 5 m/min
- ✓ Fork Speed : 60 / 5 m/min

Linear RGV

One Rail Two RGV Moving Type

- ✓ EURO & IKEA Pallet Handling RGV : 2 Set's
- ✓ Drive Speed : 270 / 5 m/min
- ✓ Feeding Speed : 32 m/min

Auto_Lift

Wire Rope Type

- ✓ EURO & IKEA Pallet Handling Auto_Lift : 2 Set's
- ✓ Lift Speed : 90 / 5 m/min
- ✓ Feeding Speed : 32 m/min