



CASE STUDY_ FURNITURE

CASAMIA



Company Introduction

Casamia is total interior design brand that creates living spaces for consumers based on modern, natural design themes.

Following the market trend of small quantity batch production and faced with significant growth, Casamia Corp is required to effective management system that can increase work efficiency and customer service. Therefore, Casamia planned to build AS/RS which can support better supply chain management.

PROJECT PROBLEM & SOLUTION

PROBLEM

In this project, the customer focused on the realization of optimized supply chain centered on the distribution center being incorporated with the existing the ERP, POS system for the most. Accordingly, the high level IT solution for the warehouse management system, equipment control system and PDA delivery/AS system was the key points to be achieved.

SOLUTION

SMC re-organized the existing SCM with an advanced “Best Practiced” IT technologies, WMS, SMC-Nx TMS, SMC-Nx RP(Replenishment Planner) developed by SMC to optimize the logistic process and to realize the “Single Plan & Fast Execution”. It leads to improve of work availability as well as the effectiveness of center management. This newest technology provides a convenience of expanding / maintenance with the continuous system upgrade for the future needs. Eventually, it has positive effects on supply chain of Casamia.

PROJECT OVERVIEW

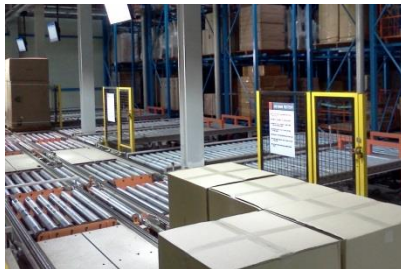
Company	Casamia
Location	Gwangju, Korea
Load	Products of Furniture
ASRS Storage Capacity	9,030 cells
Rack	Rack supported building, closed face (load beam type) W 35.2 x L 90.8 x H 33.8 (M)
Stacker Crane	6 vehicles (Single & Dual fork type)
Automated Materials Handling Equipment	Conveyors

EQUIPMENT SEPCIFICATION



Stacker Crane

- Traveling speed: Max. 180 m/min
- Throughput: Single- Max. 35 cycle/hr/stacker
Dual - Max. 22 cycle/hr/stacker
- Single and dual fork type
- Stability of load handing through smooth acceleration & deceleration controls by S-Curve



Conveyor

- Conveyor Type: Chain, & Roller conveyor
- Handling size: A,B,F Type: 1,100W x 1,600L x 130H((mm)
C,D,E Type: 1,300W x 1,800L x 130H(mm)
- Handling weight: Max. 1,250kg
- Controller: PLC