

KENMEC

廣運機械

KENMEC AUTOMATION

AR/RS

- Buffer before shipping
- Buffer between picking and assorting
- Buffer before palletizing

SHUTTLE CAR

- Material handling
- Assembly process



SENT
LOCATION



CALL
BACK



READ
MESSAGES

ASRS

Controller



ASRS SPEED

MIN

MAX

WELCOME TO THE FUTURE

www.kenmec.com

5G TECHNOLOGIES CREATE FUTURE

5G 極速時代 科技引領未來



Industry 4.0

'Big Data' embodies the entire concept of industry 4.0 in which a management procedure is systemically digitalized with the actualization of IoT, making software linked with hardware of a supply chain. 'Automation', a process furtherly derived from the concept, enables a company to significantly reduce the cost and enhance the efficiency in the meantime.

數據化建立物流數據系統，目的是利用數據來控制物流供應鏈的各個環節，協調運作，達到降低成本和高效率的效果。

Exception Analysis

Pass
Fail



1,187,384
1 000 000

1 500 000


Project Evaluation

Preventive Measures

24/7Real-Time Monitor

KENMEC

Automation Technology



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服務據點

Service Location



董事長 謝清福
Chairman, Frank Hsieh



執行長 謝明凱
CEO, Kevin Hsieh



總經理 柯智鈞
GM, Jonas Ko

COMPANY HISTORY

公司簡介

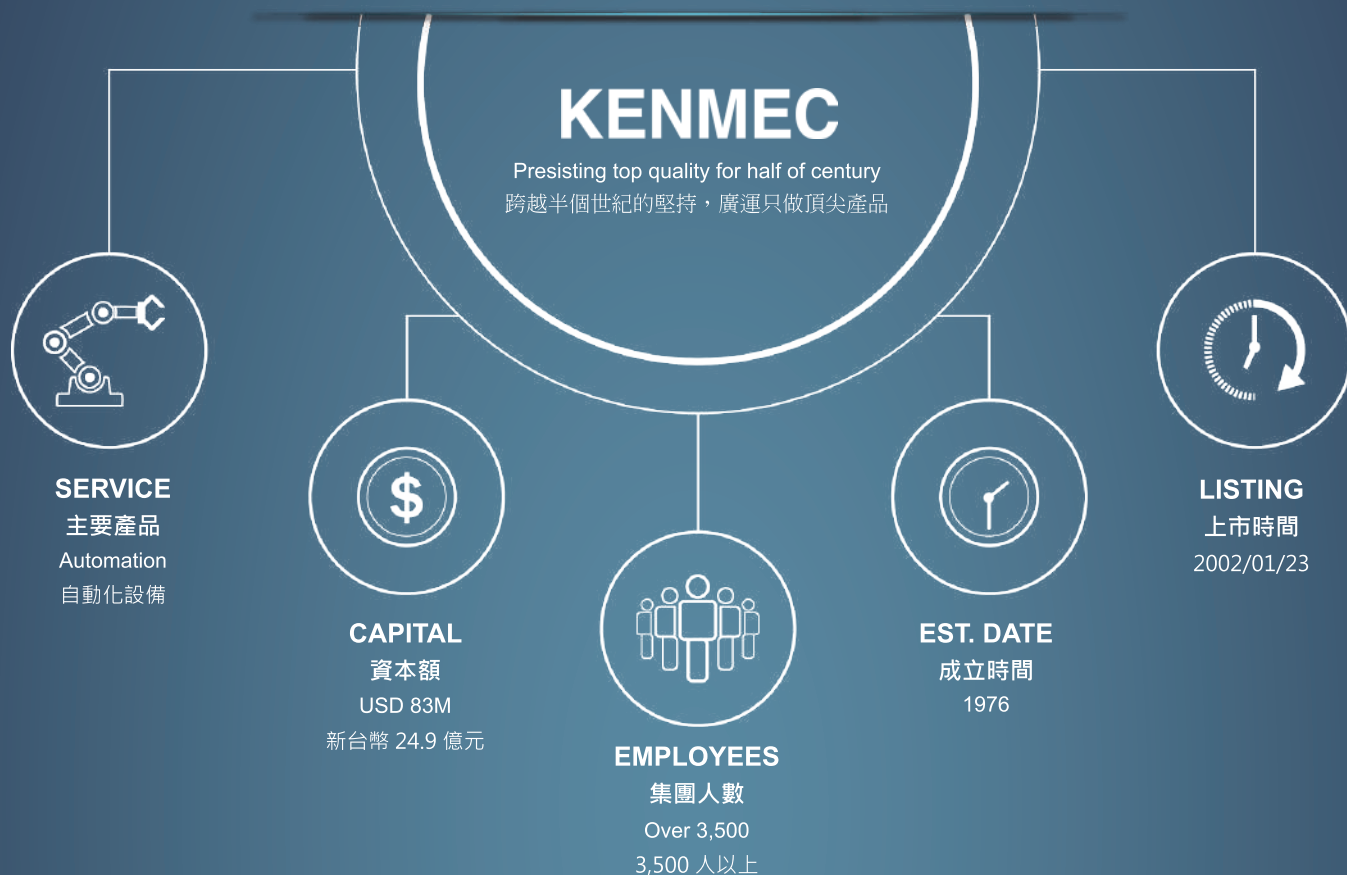
The establishment of Kenmec Mechanical Engineering Co., Ltd. can be traced back to 1976, when a group of youth, having mechanical background, agilely realized the breakthrough of technology on engineering would profoundly bring industrial revolution on production and management processes, and then sooner funded one company constantly creating or reinventing present technologies with the fast development of high-tech trend. Since then, Kenmec has now become one Taiwanese leading brand in automation field after serving countless domestic and oversea customers from different industries. With experiencing several internal changes on management direction, we are now concentrating on 'turn-key' solution, in which we provide numerous customizable services, including consulting, early planning, mechanical design, system programming, shipping, installation, commissioning, and after-sales. Despite of the fact that we define ourselves an 'integrator' since it would never restrict ourselves in any certain field of business or industry, Kenmec also provides standard products, such as AGVs, power rollers, EFEM, and etc.. However, as an automation integrator, we'd still like to put more emphasis on whole system planning, such as ASRS, Logistics Center, Heat Conduction System, Green System, and various 'Smart Factory' projects.

Since 1998 that Kenmec firstly introduced Enterprise Resource Planning (ERP) system into internal management process and was granted ISO9001 certification to prove the remarkable quality of our service, we've been on the top in automation business. We are expecting the next chapter of our splendid achievement as we've been proactively expanding our business into oversea markets.

1976 年，一群年輕人敏銳的感覺到未來的趨勢，並適時掌握住專業技術，開啓了廣運自動化前途。如今廣運公司早已是台灣整廠自動化系統的巨擘，客戶實績遍及世界各地。廣運對工廠自動化發展趨勢深入關注並注重專業技術的研發及服務，所承製的整廠物流自動化系統包括規劃、設計、製造、安裝、試車及售後服務等，皆贏得客戶的一致肯定和口碑。

廣運在 1998 年全員導入國際品質驗證 ISO9001 和 ERP 系統，使公司的產品品質及決策管理推向更高一層，並在每一環節的服務中，實際了解客戶需要並深入溝通、有效的規劃、精密的設計、嚴格的監造、完善的安裝及熱忱的售後服務，博得客戶們的絕對信賴，並善盡客戶託付予我們的重大責任。

Company Scale 公司規模



Management Beliefs 經營理念



Corporate Culture

企業文化

Integrity 誠信



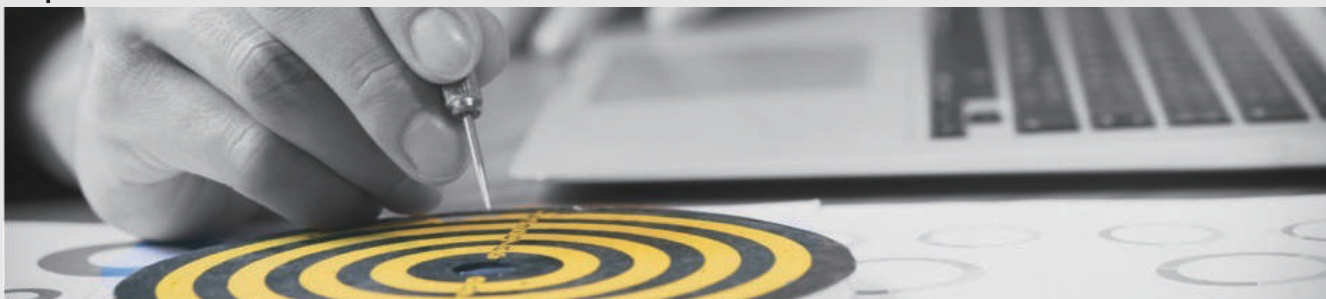
Based on integrity, our policies are made to systemically establish corporate governance and risk control mechanism.
以誠信為基礎之政策，並建立良好之公司治理與風險控管機制

Accountability 當責



In order to optimize our management process, individual job duty and teamwork description are always well-specified.
釐清角色與責任、強化團隊運作，進而在管理上產生實際效益

Improvement 改善



Every assignment should be accompanied with the follow-up review for the further improvement of management.
本公司專責單位應將檢舉情事、其處理方式及後續檢討改善措施

Innovation 創新




The breakthrough on technology, management process, and business model is continuously made as time advances.
技術創新、管理模式的創新和消費形態的創新


Research and Development

研究與開發

Since Kenmec has always been stressing the importance of experience accumulation on latest techniques, we own one strong R&D team and one remarkable engineering team, in which the hundreds of technicians are serving for product development, technique improvement and project management in accordance with customer requirements.

廣運以技術為導向，著重專業技術得累積及發展，特別設置了研發部，並擁有數百位對自動化系統有專業規劃能力，及有關機械、電機、電子、電腦軟體等設計經驗人才的工程部。

	Year	Type	Patent Name	Patent No.
○	2010	New Style	Information equipment machine cabinet containing cooling system	M394500
○	2011	New Style	Sidecar in-row cooling apparatus for euqipment within an enclosure	M418526
○	2012	New Style	Transition frame for a cooling system for a equipment rack	M428646
○	2017	New Style	Smart microbial species culturing system	M524349
○	2017	New Style	Automatic measuring device of hole and film thickness	M536412
○	2018	New Style	Platform gate device	I633031
○	2018	New Style	Charging-and-discharging dock for secondary battery	I629816
○	2019	New Style	Liquid-cooling device	M574263
○	2019	New Style	Seismic isolation mechanism	M575837
○	2019	New Style	Synchronal motion guiding device with charging-and-discharging grippers for secondary battery	I661626
○	2019	New Style	Water-cooling type intelligent temperature monitoring host	M584084
○	2019	New Style	Air-cooling type intelligent temperature monitoring host	M584085
○	2019	New Style	Intelligent water-cooling cabinet	M586507
○	2019	Invention	Blind insertion water branching device	I678494

	年度	類型	專利名稱	專利字號
○	2010	新型	具有冷卻系統之資訊設備機櫃	M394500
○	2011	新型	外殼內設備之邊車列內冷卻裝置	M418526
○	2012	新型	用於設備機架之冷卻系統的轉換框架	M428646
○	2017	新型	菌種智能培養系統	M524349
○	2017	新型	孔洞及膜厚自動化檢測裝置	M536412
○	2018	新型	月台門裝置	I633031
○	2018	新型	二次電池充放電卡夾	I629816
○	2019	新型	液冷散熱裝置	M574263
○	2019	新型	防震機構	M575837
○	2019	新型	二次電池充放電夾同步開關導引裝置	I661626
○	2019	新型	水冷式智能溫度監控主機	M584084
○	2019	新型	氣冷式智能溫度監控主機	M584085
○	2019	新型	智能水冷機櫃	M586507
○	2019	發明	盲插水路分歧裝置	I678494

Competitive

競爭優勢

Advantage



All In One Service

一站式服務



Business Contact 業務接觸

- 1. Multi-Channel 2. Professional Consulting 3. Global Bases 4. Business Match
- 1. 多元管道 2. 專業諮詢 3. 全球據點 4. 商業配對



Preliminary Planning 前期規劃

- 1. Demand Analysis 2. Capacity Analysis 3. Layout Drawing 4. Project Proposal
- 1. 需求分析 2. 產能分析 3. 設備佈局 4. 規劃提案



Engineering Design 工程設計

- 1. Mechanical Design 2. Electronic Design 3. System Programming 4. HW/SW Integration
- 1. 機械設計 2. 電控設計 3. 系統軟體 4. 軟實整合



Project Execution 專案設計

- 1. Manufacture/Assembly 2. Factory Test 3. Packaging/Delivery 5. Installation/Commissioning
- 1. 製造組裝 2. 配線試車 3. 包裝配送 4. 安裝調試



After Sales 售後服務

- 1. Products Warranty 2. On-Site Maintenance 3. Spare Parts Preparation 4. 24/7 On-Call Service
- 1. 保固叫修 2. 現場維護 3. 備品管理 4. 全天服務

Product Line

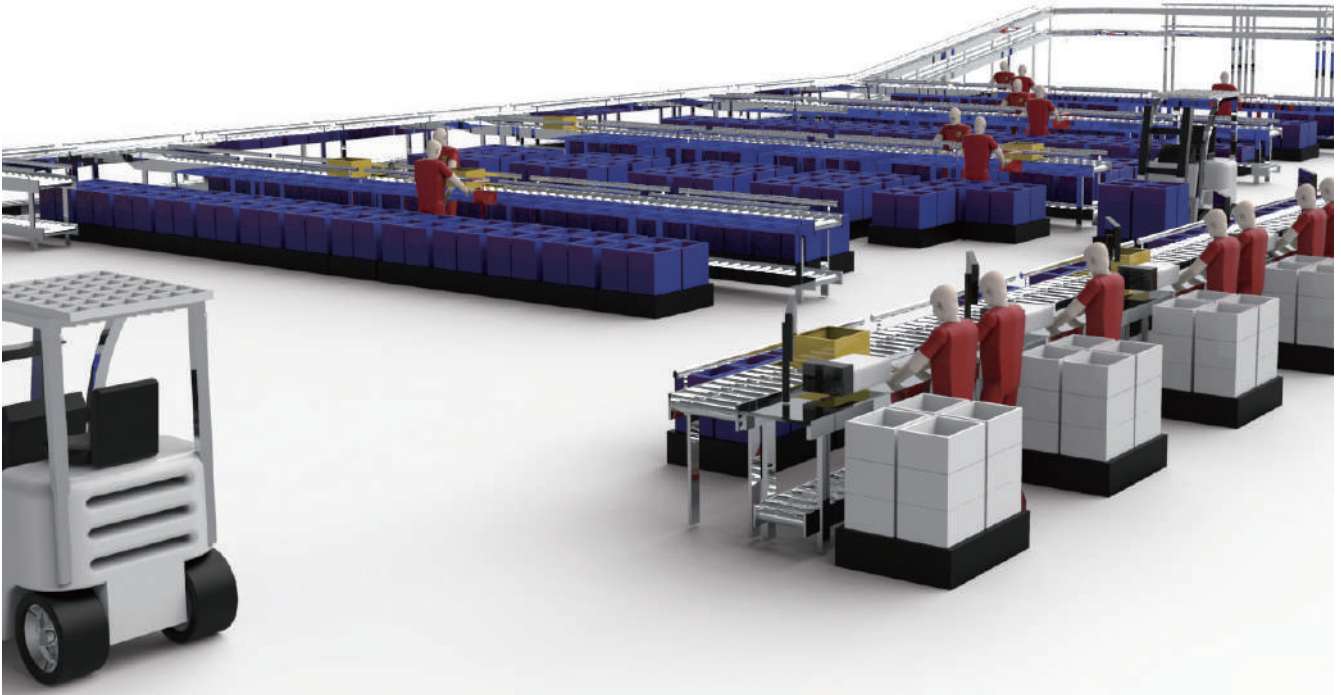
產品陣容

- Distribution Center
物流中心
- Auto Storage (ASRS)
自動化倉庫
- Smart Factory
智能工廠
- Auto Guided Vehicle (AGV)
自動化無人車
- TFT / OLED / CF System
面板自動化物料輸送系統
- Semiconductor Equipment
半導體設備
- Overhead Hoist Transfer
懸吊式天車
- Baggage Handling
航空行李輸送系統
- Liquid Cooling System
液冷散熱方案

Distribution Center



物流中心

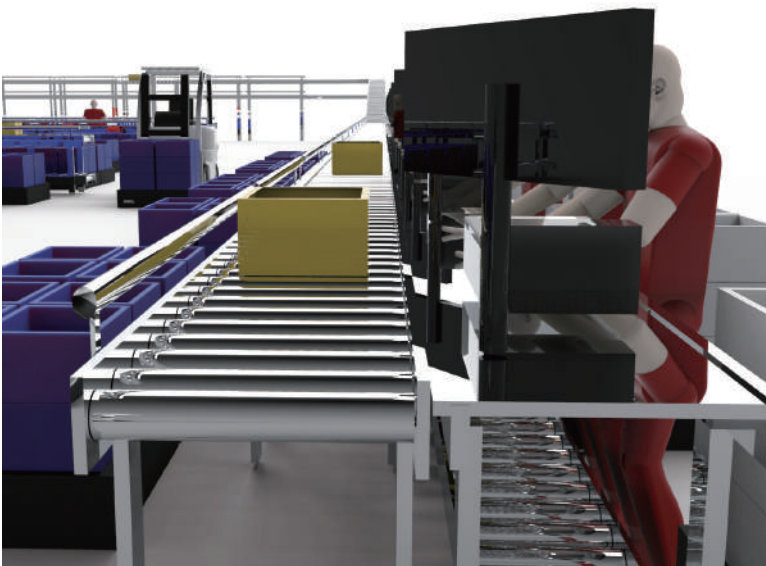


The concept realizes the real-time response to any changes in market considering the logistics-related industries normally emphasizes on speed the most. With the human-machine interface, on-site operators can easily and quickly obtain the real-time information about the status of orders, products, machines, and working environment.

實現系統與環境的協作，對於市場任何變化都能強而有力的因應。同時配置在易於工作的作業環境中，使人員與系統完全協作。

Distribution System 物流系統

- Retail Industry Distribution System
零售業物流系統
- Air Express Industry Distribution System
航空快遞物流系統
- E-Commerce Distribution System
電子商務物流系統
- 3C Electronic Distribution System
3C 電子產品物流系統
- Medical Industry Distribution System
醫療業物流系統



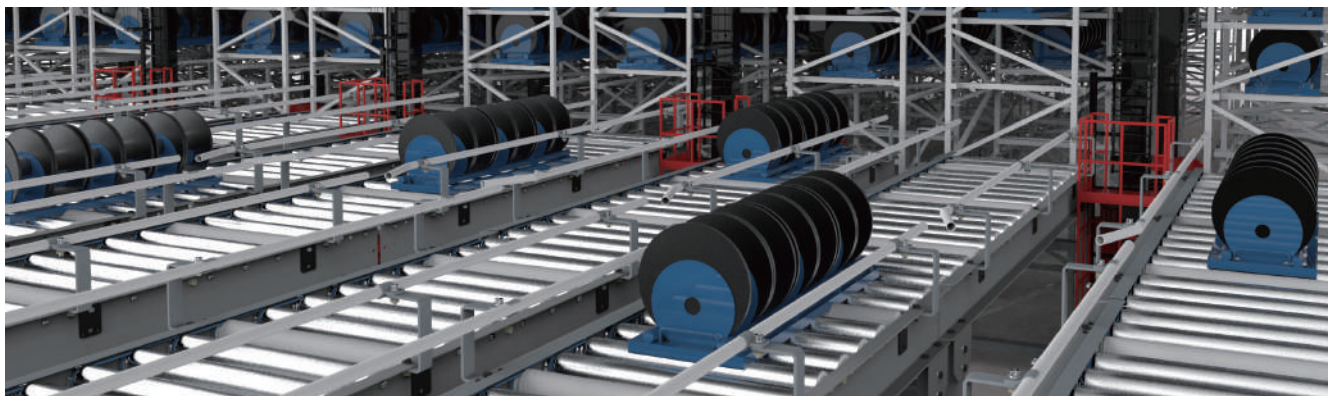
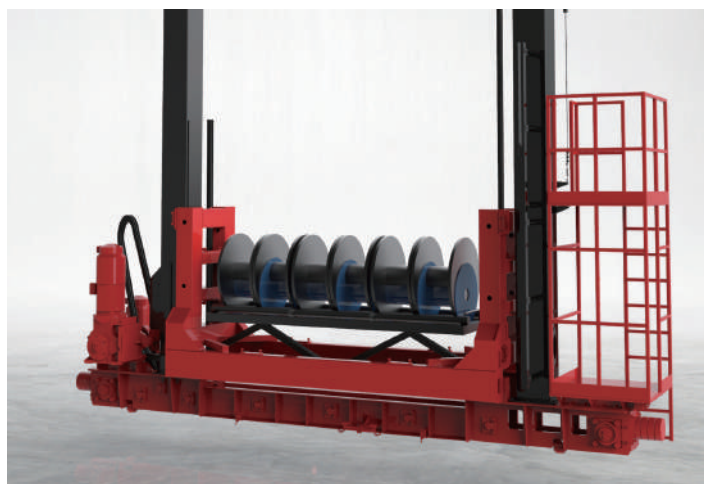
Auto Storage

自動化倉庫



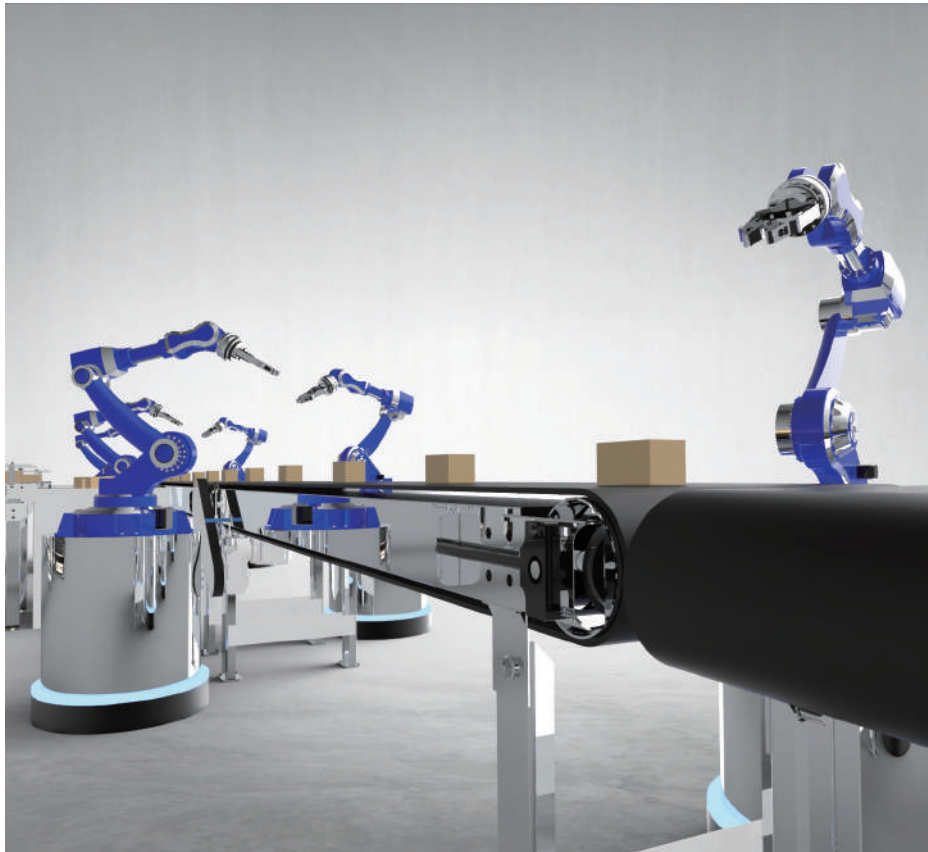
Auto Storage System 自動化倉庫系統

- General Heavy Type AS/RS
一般重型自動倉儲
- General Light Type AS/RS
一般輕型自動倉儲
- Auto Burn In AS/RS
自動化試機自動倉儲
- Clean Room AS/RS
無塵室等級自動倉儲
- Anti Explosion AS/RS
防爆型自動倉儲
- Palletless AS/RS
無棧板式自動倉儲



Smart Factory

智能工廠



Kenmec provides a customizable service for the improvement of your factory working process in corresponding to your requirements

提供各式整廠自動化儲運系統的軟、硬體規劃及設計、製造、安裝、試車、服務等，滿足不同層級的實際需求。重要的是，我們會依照自動化標準，衡量其投入時間、空間、人力、作業、成本等條件，提供您最合理化、效益化、成本化的專業式軟體規劃與設計。



Smart Factory System 智能工廠系統

- LCD PC/TV Monitor Assembly System
LCD PC/TV 螢幕組裝系統

- Laptop Production System
Laptop 生產系統

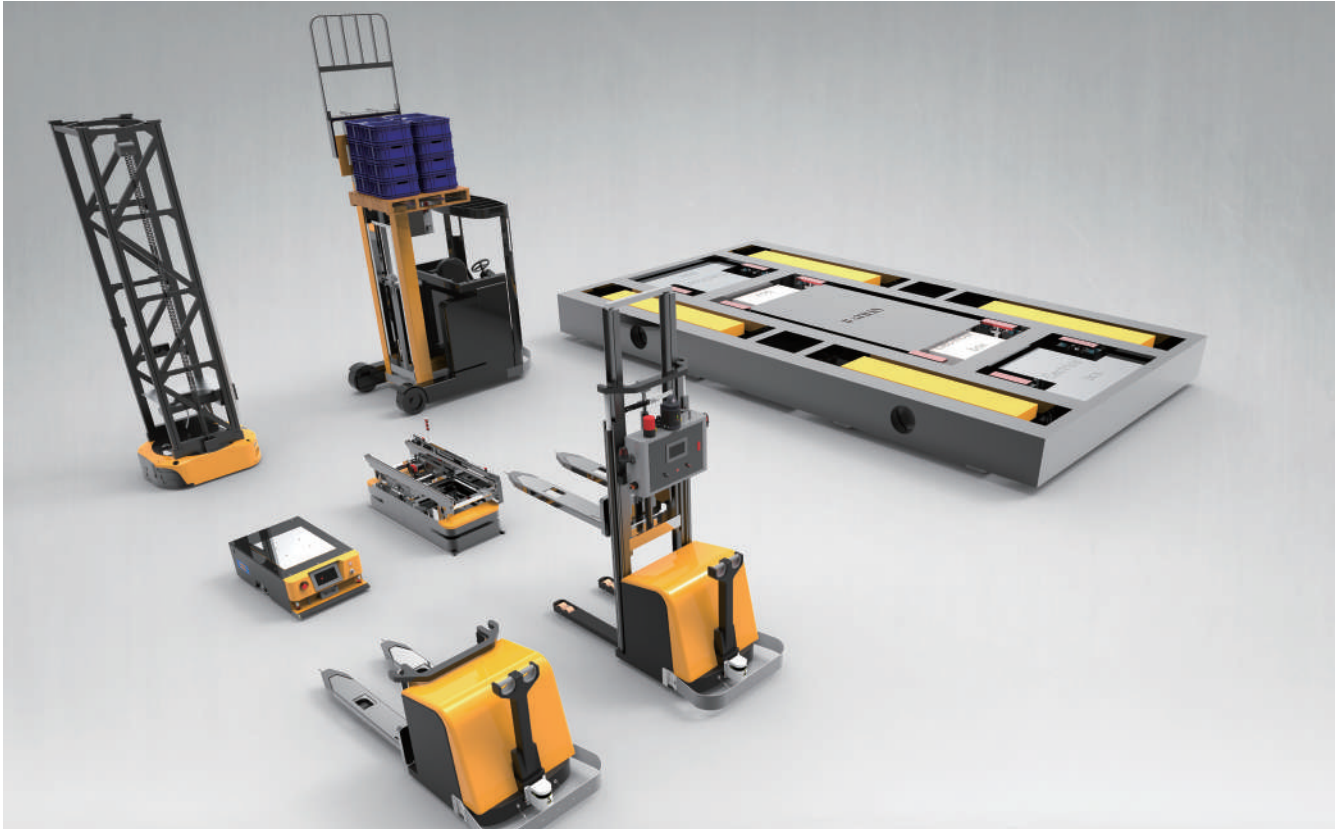
- PC Monitor Production System
PC Monitor 生產線系統

- Foods Industry Auto Basket Washing System
食品業自動化洗箱系統

Auto Guided Vehicle



自動化無人車



AGV Type 無人車類型

- Palletmoving AGV
托板式無人搬運車
- Forklift AGV
叉車式無人搬運車
- Up-Lifted AGV
升降式無人搬運車
- Two Way Type AGV
雙軌式無人搬運車
- 65 Tons AGV
65 噸無人搬運車
- Workbin Handling AGV
料箱式無人搬運車

TFT/OLED/CF System



面板自動化物料輸送系統



Process Equipment

製程設備

- TFT Stacker Overhead Conveyor System
TFT Stacker 天井輸送系統
- TFT Packing System
TFT 包裝系統
- Panel Inspection Machine
Panel 檢查機
- TFT/CF Stacker System
TFT/CF 自動存取系統
- Developing and Cleaning Machine
顯影清洗機
- TFT Array Film Peeling Machine
TFT Array 撕膜機
- TFT LCM Test Equipment
TFT/LCM 測試設備
- TFT G8.5 Color Filter Equipment
TFT G8.5 Color Filter 設備

Semiconductor Equipment

半導體設備



Semiconductor Type 半導體類型

- E-Stocker
半導體專用倉儲
- Equipment Front-End Module
設備前端模組
- E-Rack
電子貨架
- Mobile Robot
無人搬運車
- OHT
空中走行式無人搬送車
- ASRS
自動化無人倉庫

Overhead Hoist Transfer



空中走行式搬運系統



Features

特色

- Thinness : meet the requirements of low fab height.
薄型化：滿足低樓高需求
- Flexible Gripper could be used in three different Magazine sizes.
彈性化夾爪設計：一車可適用於三種不同的 Magazine 尺寸
- Can carry two Magazines simultaneously.
可同時搬運兩個 Magazines
- Can rotate 180 degrees. It's suitable for magazines in different directions.
 ± 180 度的旋轉設計 (專利設計)：適用於 Magazine 不同方向的機台
- To maximize the utilization of your clean room space.
有效利用天花板及機台上方空間，讓無塵室內

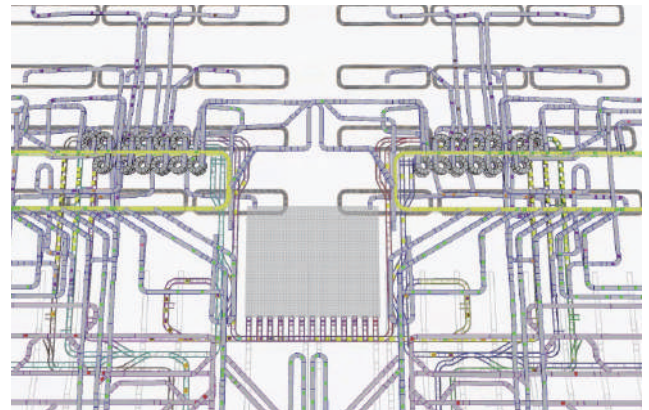
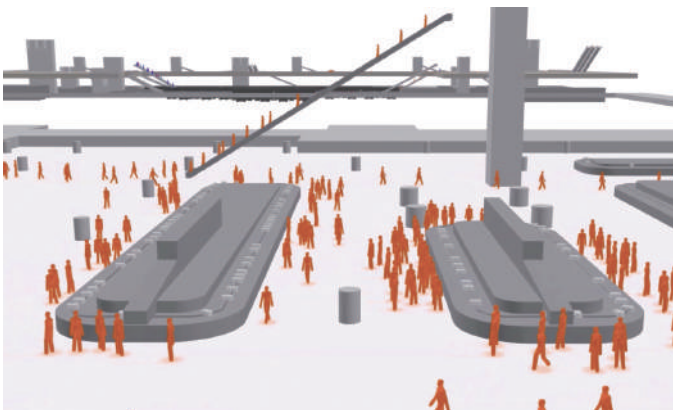
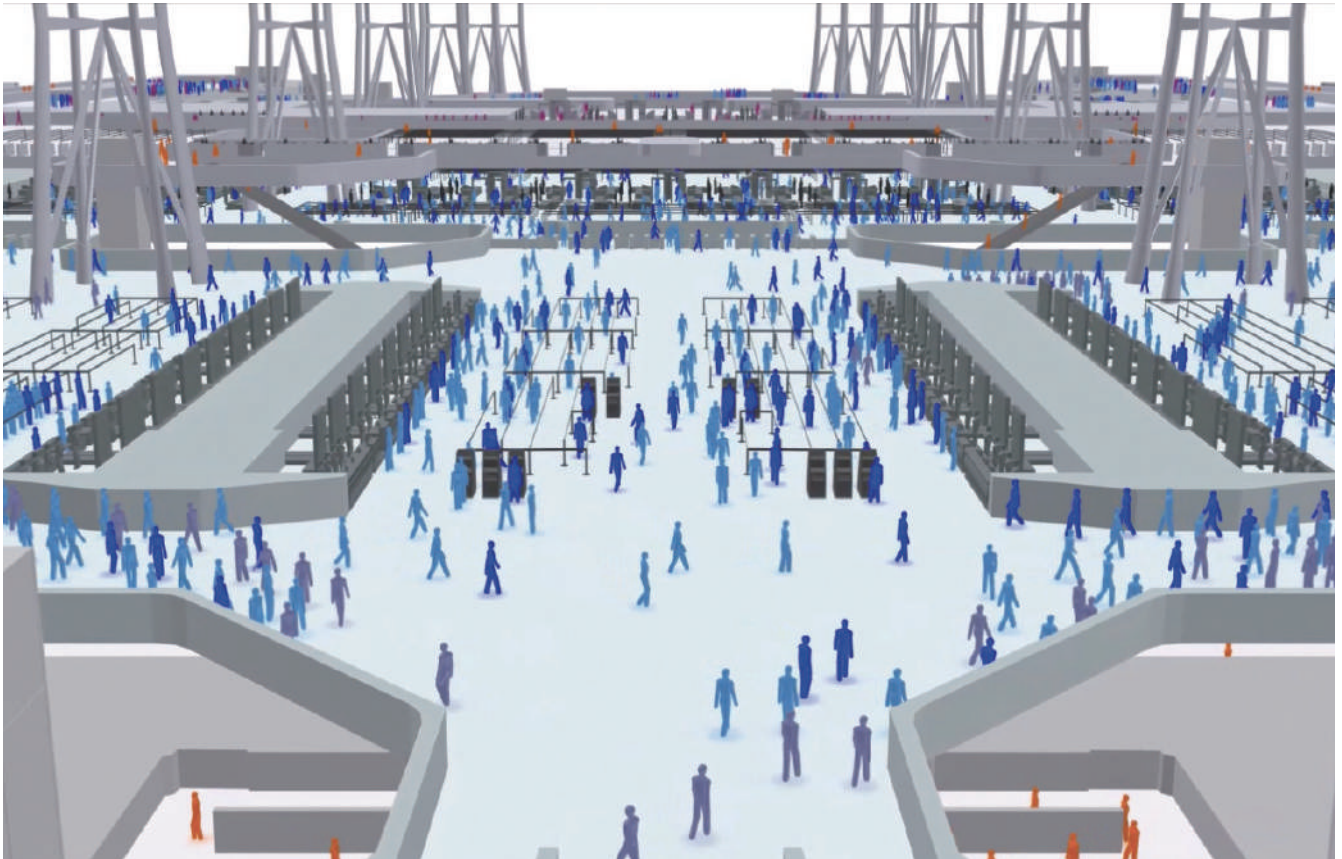


空間使用率最大化

- The conveying distance and track path can be designed according to the clean room space.
能依照廠內空間進行輸送距離及軌道路徑的設計
- Using 5G technology connected with system and equipment can realize the requirements of automation, systematic, dataization and intelligence for clean room transport.
透過 5G 無線傳輸技術進行系統串接，實現系統化、數據化、智慧化的無塵室搬運需求

Baggage Handling

航空行李輸送系統

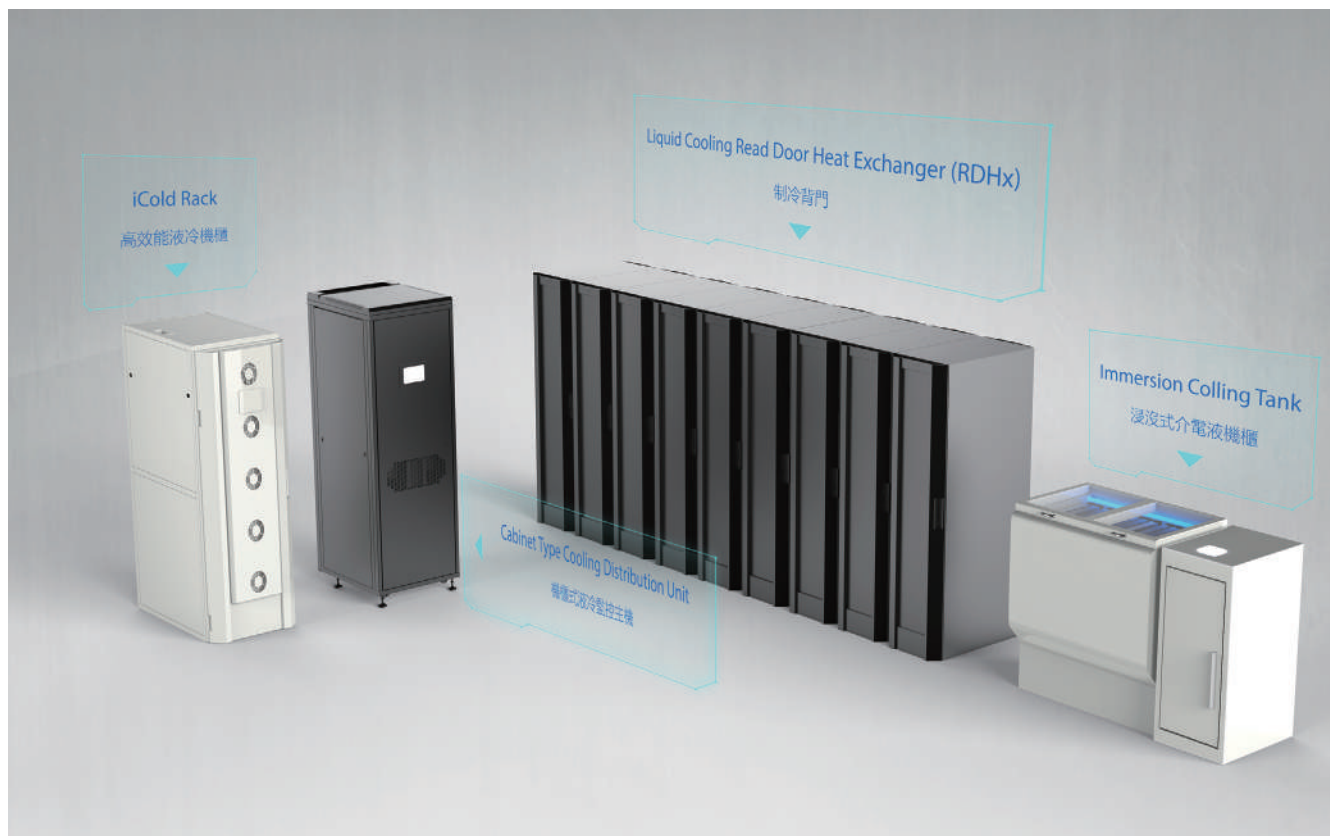


AirPort System 機場系統

- TTIA-Bulky Baggage Handling System
桃園機場 - 大件行李運輸系統
- Air Cargo Handling System
空運貨物運輸系統
- Air Express Cargo Handling System
空運快遞貨物運送系統
- Monitoring System
監控系統

Liquid Cooling System

液冷散熱方案



Product Type 產品類型

- Rack Type Cooling Distribution Unit (CDU)
櫃內式液冷監控主機
- Cabinet Type Cooling Distribution Unit (CDU)
機櫃式液冷監控主機
- Di-electric Fluid Immersion (CDU)
浸沒式介電液監控主機

- iCold Rack
高效能液冷機櫃
- Liquid Cooling Rear Door Heat Exchanger (RDHx)
制冷背門
- Di-electric Fluid Immersion Cooling Tank
浸沒式介電液機櫃

Honorary Customers

榮譽顧客

Semiconductor & Electronics / 半導體 & 電子產業



Logistic & Traditional Industry / 物流 & 傳統產業



Public Project / 公共工程





Service Location

服務據點

T

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C

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廣運機械

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