

INTOUCH

THE LATEST NEWS ON INTEGRATED AND INFORMATION SOLUTIONS

KEYMAS - EGEMIN ANNOUNCE 'UK PARTNERSHIP'



Keymas Control and Automation announce their recent 'partnership' appointment to represent logistics specialist Egemin in the UK.

Keymas M.D. John Barton reported, "This partnership gives Egemin a presence in the UK supported by Keymas, whose many years of experience in control and automation was critical to formulating the agreement. Keymas can proficiently respond to Egemin sales enquiries and provide qualified after sales service supported by their mechanical and automation engineers.

The like minded approach to business, solving problems and supplying solutions for logistics and integrated handling systems is complementary,

but there are differences in products and applications. Egemin areas of expertise in materials handling are AGV and Towline systems, storage and warehouse distribution solutions - including operational consultancy, automation engineering and IT solutions.

Keymas is acknowledged for providing fully integrated storage and materials handling solutions, providing cost effective customised controls and conveyor systems to ensure full track traceability of production, sortation sequences, through to storage and despatch.

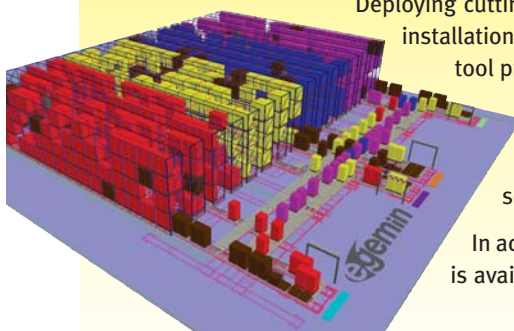
Our strengths are complementary and we look forward to working in partnership with Egemin".

DESIGN & PROJECT SIMULATION

Keymas - Egemin provide operational consultancy, automation engineering and IT solutions to improve material and information flow in warehouses, distribution centres and production operations.

Deploying cutting edge technology a computer simulation model of an installation can be created which can prove to an extremely valuable tool providing reliable estimations on capacities, intermediate stocks, transit times, etc. The computer model allows the opportunity to demonstrate flow of goods, compare alternative options both in layout and control solutions.

In addition to a detailed report, a CD with a standard AVI file is available, featuring a visual representation of goods flow.



Control & Automation Systems

www.keymas.co.uk



AGV Solutions



Towline Solutions



Pick-by-Light



Storage & Warehouse Distribution Solutions

egemin

www.egemin.com



SUCCESS ON RECORD AT MEDIA PACKAGING COMPANY

Dubois Ltd of Corby is part of the AGI Media Packaging group and manufactures cases for video cassettes, CD's and DVD disks. Egemin creative technology was used within their warehouse, using four battery powered E'gv's to handle the storage of 7,000 pallets of finished goods, which is managed by Egemin's E'wms warehouse management software.

The vehicle movement is supervised and controlled by an E'tricc® computer system, which controls the assignment of orders to the vehicles and traffic control by radio data communication.

The E'gv's follow pre-defined guidepaths as they transport pallets from production lines input locations to the warehouse. Each E'gv® is equipped with an onboard microprocessor which controls the vehicle and determines its location by taking input from encoders, steer potentiometers and antennae.

When the pallets are ready to be despatched, the warehouse management software sends orders to the E'gv® system to bring pallets from the warehouse to the expedition lanes. To optimise the capacity of the system, the E'gv's transport two pallets at once. The pallet fork lift are specially designed to handle two pallets, one behind the other.

When the 660 Amp Hour vehicle battery is low or there are no orders to be executed,

the E'gv® will move to the battery station to be automatically recharged (opportunity charging). Every E'gv® has a spare battery to guarantee 24/7 working time of the system.



TOWLINE RELIABLE IN-FLOOR CHAIN CONVEYORS

The Egemin E'tow® system is a reliable continuous in-floor chain conveying solution for transporting a multitude of products in carts, roll containers, hand pallet trucks or customised carriers as appropriate.

Total Integration

E'tow® supports a diverse flow of materials at a high throughput rate and can be integrated with transport identification, sortation and linked to customer control systems.



Egemin E'gv® solutions -

- Clear zone specification increases safety
- Eliminates manual handling and increases efficiency
- Provides Intermediate buffer storage in production chain
- Long distance transport on site
- Automated store & retrieve
- Multi-Shift or 24/7 operations

Applications

These include a variety of industrial sectors such as e-logistics, distribution, postal and courier services, automotive companies, assembly and packaging lines, etc.

HANSEN TRANSMISSIONS SELECT T

Hansen Transmissions, a market leader in the development and manufacture of gear units for a wide range of industrial applications, appointed Egemin to provide a warehouse solution at their 'Logistic Hub'. The criteria of the project was to reconsolidate goods and to supply consolidated orders to the production, assembly and despatch divisions.

The goods vary in type and dimensions, ranging from millimetres to metres in length. Previously, parts were located at various warehouses having a combined floor area of 54,000 sq.ft. (5,000m²), whilst the new 'Logistics Hub' has a total work area of only 13,500sq.ft (1,250m²).

The new system had to maximise on the available cubic space, provide safe handling methods, accuracy of order picking and increase the processing speed to enable Just-in-Time deliveries.

Various technologies were combined to accommodate the wide range of goods - utilising Egemin automatic pallet warehousing to handle the majority of goods, Kardex shuttles for lightweight small items and storage space located in conventional racks for large heavy objects.

Goods are picked using the 'Goods-to-Man' principle allowing automatic selection of items in store and delivery to the warehouse personnel.

REAL EXPERIENCE IN THE PAPER AND PACKAGING INDUSTRY

Keymas-Egemin has many years experience in implementing cost-effective automated transport and storage systems that meet the needs of the paper, packaging, converting and printing industry.

AGV's can be used for a wide variety of reel and pallet applications and examples of installations include:-

Kodak - installed 7 Fork Lift Vehicles (FLV's) at their UK Harrow plant. Built with core grippers, these units transport reels of coated paper from and to production machines in dark rooms.



Georgia Pacific - installed a system for tissue paper transport and incorporated 3 high speed Load Transfer Vehicles (LTV's) equipped with double chain conveyors for simultaneous transport of 4 pallets.



THE BEST GEAR

The E'wms warehouse management system manages the pick process, provides tracking and traceability of parts flowing through the warehouse, production data and accurate inventory of goods in store.

Seamless integration of the data flows within the system, ensuring accuracy of orders and deliveries, whilst establishing priorities in real time and more. In addition, through easy access, the customer can immediately identify at which stage his order is at.

Hansen Transmissions Logistic Manager reported, "Looking back I would still choose this warehouse system. It may not be the cheapest solution, but it is certainly the best."



WAREHOUSE & DISTRIBUTION SOLUTIONS

Keymas-Egemin can offer a complete logistics solution to meet your specific requirements.

Productive Order Picking

Egemin can offer the right solution best suited to your needs...

- Pick-to-Light
- Goods-to-Man
- Zone Picking
- Batch Picking
- Radio Frequency



Economise with Automated Warehousing

Automatic Storage and Retrieval Systems can immediately reduce costs and increase productivity.

- Maximise on space available
- Maintains stock levels at a minimum
- Reduce order picking errors
- Optimise on stock rotation
- Simplify inventory



Efficient Goods Flow

Automatic Guided Vehicles (E'gv®), Towline In-Floor Chain Conveyors (E'tow®) and Sortation Systems (E'sort), combine to ensure the efficiency of internal goods flow.



COLD STORE BENEFITS BY AUTOMATION

Ouwehand, one of the major European fish processing companies, took a decision to automate its deep freeze warehouse where operating temperatures are as low as -28°C. Before automation, fish products were stored in bulk, making searching for items and batch numbers time consuming and exhausting in these conditions. Today, the order picking process is completely automated and 100 tons of product spread over 120 orders, leave the company daily.



Conventional storage solutions required too much space for the new high bay warehouse. Therefore, with the customers historic data and growth expectations

Egemin provided several simulation designs before finalising on the optimal solution.

AGV's transport the goods from production to the deep freeze tunnels. The transition from a normal climate in the production halls to the extremely low temperature makes manual transport virtually impossible.

The deep freeze warehouse has a capacity of 8,000 pallets divided over six aisles and are loaded/unloaded by two aisle-changing cranes operating in these aisles to save space. Some 500 products are stored each with their own batch numbers, with a large number of batches being customer related.

Pallets are automatically conveyed from the deep freeze warehouse to the order picking deep freeze room by means of transfer carts supplemented by roller and chain conveyors.

The refrigerated warehouse has a limited number of products stored in 1,200 pallet locations, which are automatically stored and retrieved by means of crane, order picking from dynamic live storage. Because of the extreme



temperatures, equipment has had to be adapted to operate under these conditions.

The new warehouse has provided many advantages for Ouwehand by providing increased capacity and centralised storage on one site, cost savings and increased efficiencies in order handling.

A spokesman for Ouwehand commented, "Conventional storage solutions required too much space in the high bay warehouse. The new automated system is not only highly efficient, but provides for employees - as working in conditions of -28°C is certainly no picnic".

MILLER BREWING ADOPT AUTOMATIC TRANSPORT OF BEER PALLETS

Miller Brewing company commissioned Egemin Automation Inc to build a 35 vehicle AGV system that autonomously manages and controls the expedition zone. Each E'gy® is equipped with a dual fork unit capable of lifting and transporting two pallets of packed beers simultaneously, with total weight carrying capacity of 2.5 tonnes per transport.

The system is fully automatic and provides continuous 24/7 operation, moving goods entirely on an independent basis and

allowing for a considerable reduction of labour costs. System data is displayed in real-time with the in-house software system

of the brewery. As a result, all stock and delivery information is readily available to the system operators at the click of a button.



Control & Automation Systems

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