Special edition on
Warehousing & Intralogistics
Tech-Mark & Siemens – Delivering Incremental Value to the Customers

ASRS from Tech-Mark rely on SIMATIC PLCs

Established in 1999, Tech-Mark is one of India’s leading manufacturers of automated storage & retrieval systems & customized automation solution company for warehouses across India as well as overseas. Tech-Mark’s differentiating factor is its holistic approach which focuses on delivering tangible measurable benefits to its clients. This is also reflected in its market offerings that go beyond the standard hardware-based approach to a more process automation approach. It has been taking giant leaps in client acquisition, partnering with large corporations & providing its solutions to newer domains including pharmaceutical, aviation, e-commerce, chemicals, electronics, food & beverages, etc.

Warehouse management has undergone a significant transformation in recent years. Unlike conventional warehousing, automation plays an important part in ensuring speedy & prompt delivery of the product effortlessly. The main challenge is to maximize and optimize the storage capacity in the warehouse. To overcome this challenge the warehouses are increasingly deploying modern Automated Storage & Retrieval Systems (ASRS).

Quick and accurate retrieval, tracking of expiry and batch (lot management), reduced manual handling and an integrated view of the inventory process are just a few of the benefits of a software-based ASRS being deployed across the industries. The integration of the storage and retrieval system with the core ERP or base systems provides seamless information flow across the supply and fulfillment chain.

Recently, Tech-Mark Automation & Controls from Pune has implemented one such state of the art ASRS for a pomegranate’s cold storage in Maharashtra. It is driven by integrated software, communicating through the latest Siemens PLC. In totality, our Automated Storage & Retrieval System is the complete warehouse automation solution to deliver substantial business benefits to the Industry.

Siemens is a trusted partner for us. We have our patronage with Siemens since 1999 when we started our journey in the automation industry as a control panel manufacturer. Naturally, the first-ever purchase made by Tech-Mark was Siemens switchgear & related automation products like PLC, VFD, etc. We were amongst the first few customers who started using LOGO for smaller automation systems like batching plants, BMS systems, etc.
In our current application of the Automated Storage & Retrieval System, we use drives & PLC controllers. The main advantage is the reliability of hardware which can be seamlessly integrated with PLC controllers & drives. Cloud-based easy access to controls from anywhere saves huge man-hours and thus providing quick after-sales support is a key to our product offering. Moreover, we are also backed by the extensive support from Siemens’ engineering team & reliable rugged product which can work in a hostile environment.

To cater to the growing business needs of the international market, we have recently started our sales & service office in Singapore. Tech-Mark is consistently working on conveyors / A.G.V.s which can further take the material directly to the assembly section ensuring an end to end automation and thus reducing labor for transportation. This will also help in achieving production effectively in limited space due to the availability of components ‘just in time’ for assembly.

ASRS double deep or triple deep type system can store the material in a much denser pattern (multiple times than conventional storage system) & up-to-the height of 40 meters. This proves to be economical storage for controlled temperature goods and helps to achieve quick ROI. Intelligent WMS systems, if used for picklist, can help deliver goods faster.

Our range of products in automated storage solutions cater to a wide range of applications which include Vertical Carousels, Vertical Retrieval Systems – Lean-Store, Mini Load ASRS, AS/RS, Industrial & Warehouse Automation, etc. Our products symbolize our underlying philosophy of enhancing efficiencies in business processes for producing measurable positive results.

Tech-Mark’s storage solutions are the ideal fit for achieving accurate, quick, and safe storage and retrieval of material and documents as well. Our products are customized as per customer needs in terms of space availability, product mix, and environmental factors, thus ensuring that they get what is best for them. We have intuitive & comprehensive software for document and inventory management, which can be integrated with various existing systems. Moreover, our products offer much more than simple retrieval and storage system and thus ‘delivering incremental value’ to the customers.