

ADVANCING WORKFLOW WITH MATERIAL HANDLING AUTOMATION



Automation in handling of materials is revolutionizing the manner in which industries transport, store and handle the products. Automation of material handling improves performance, decreases labor expenses, and lowers the number of human errors by the combination of smart equipment and robotics. To realize the increased throughput and greater accuracy in fulfillment of orders, modern warehouses are using automation in terms of material handling.

THE MAIN ADVANTAGES OF AUTOMATION OF MATERIAL HANDLING ARE:

- Increased productivity and speed.
- Enhanced safety of workers with fewer manual lifting.
- Live inventory management.
- Increased expansion capability.
- Reduced operational costs



There are automated guided vehicles (AGVs), conveyors, robotic arms, and warehouse management systems among others, which enhance greater material handling automation. Following these solutions, the companies will be able to streamline supply chain operations, maintain quality at a steady level, and remain competitive in a rapidly growing and changing market. The other significant benefit of automation in material handling is that 24/7 operations are supported. Automated systems (AMRs, robotic palletizers, automated storage and retrieval systems (AS/RS) allow continuous production and warehouse operations, which have a profound effect on increasing throughput. Continuous flow of work is one of the reasons why companies need material handling automation. Another necessary advantage is scalability. Material handling automation enables systems to ensure that the order volumes can be adjusted without significant downtime and staffing issues.



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