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In these days of economic pressure, only the companies that have robotic equipment are in a better position to answer to the consumerâ€™s changing demands. Such equipment is now within the reach of businesses because their prices have been slashed down due to the advantages of mass production. They are now at the center of manufacturing operations. They help by not only reducing operation costs, perfecting quality and increasing productivity but also provide safety to employees

Robotic Palletising

Palletizing in industries has come a long way from the days when manual stacking was the only option. It was during the 1990s that robotic palletizes came into their own and started replacing traditional layer palletisers. They are widely used in end of line packaging procedures. Manufacturers interested in clean and lean processes should seriously consider employing robotic cells for all palletizing applications. They offer flexibility, reliability and increased productivity. The Robotic Cells are capable of handling even a single case accumulation at a time, thereby eliminating the requirement of additional conveyors. Those fitted with a vision system are able to pick cases that are randomly lying around and stock them according to a preplanned program of pattern. They are in a better position to handle packaging flaws arising out of irregularly formed cases and bulging cases.

Flexibility

For packaging lines, most manufacturers look for equipment that offers flexibility, Robotic Palletizing ensures greater productivity, fewer personnel on the job, less capital equipment and less occupied floor space. Some manufacturers may require mixed sizes of cases to be palletized which the robotic cells are greatly capable of handling. These cells can handle varying package weights and sizes more efficiently. They are also capable of handling multiple product types and custom mixed pallet loads.

If a company decides to discontinue a certain product and introduce another, these palletisers can be reprogrammed for the new applications.

Conclusion

Robotic palletising scores majorly over traditional palletising because it offer a better solution for palletizing applications, be it in single or multiple packaging applications. It offers a very quick return on investment because of the ease of operation and low maintenance costs. Robotic palletisers usually last for a much longer period of time than traditional manual automated systems during which they can tackle all kinds of packaging challenges that traditional systems cannot hope to accomplish. Automation and use of robotic equipment is the key to increased productivity in the future which no business can afford to ignore anymore.

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