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Robotic case packer

By Posted by Rick Lingle, Technical Editor -- Packaging Digest, October 15, 2013

The TR-QCP Transrector Robotic Case Packer features a case transporting system that the company claims is a first-of-its-kind for the case packing industry.

The TR-QCP does not require lugs and chains to complete the case erection, loading, gluing and sealing process. A gantry robot is used to pick and erect the case. The gantry robot then transfers the case through the loading, sealing and discharge stations. Through this process, the case is secured by the gantry robot's end effector. This feature eliminates the typical lug and chain arrangement on the case transporting system seen on most case packing applications. In addition, end users incur notable benefits including reduction of machinery components (e.g. chains, motors, etc.), fully automatic changeover and simpler maintenance.



In addition, the TR-QCP provides extremely fast, accurate, and repeatable changeover. The entire machine can be changed over in less than two minutes. The ergonomic Flat Stack Magazine requires no adjustments when changing over case sizes. Operators simply place the case stack on the magazine and the TR-QCP automatically does the rest. The TR-QCP can run either tape or glue style cases as well as wrap around cases. Allen-Bradley Servo Motors and PLC control system from Rockwell Automation are standard.

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