

MACHINE PRODUCT BRIEF | MARCH 20, 2014

AFA Systems: Robotic top load case packer

Able to integrate with a wide range of upstream equipment including v f/f/s systems, horizontal flow wrappers, as well as bottle and pouch filling systems, AFA Systems' TL-PFG Fanuc Delta 3 Robotic Top Load Case Packer utilizes dual Fanuc M-3iA Pick and Place Robots to top load product into opened cases, at speeds of over 100 ppm.

By Gretchen Edelbrock, Products Editor

Typical product applications include bottles, bags of product, pouches, sachets, cans, and flow wrap packages.

The TL-PFG integrates with an upstream case erector. The case erector erects a case and discharges the case onto a conveyor in a top load orientation. The TL-PFG uses a flighted conveyor to direct the case into the correct position for top loading.

An iRVision system is integrated with an upstream conveyor, which detects the position of the product, allowing the Fanuc M-3iA robots to pick the product in the correct position for accurate top loading. After the case is loaded with its required product, the case is discharged downstream for further processing.

The TL-PFG uses an Allen Bradley CompactLogix Control System and an Allen Bradley PanelView 700 TouchScreen HMI. The TL-PFG also incorporates a heavy-duty frame for 24/7 operation.

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