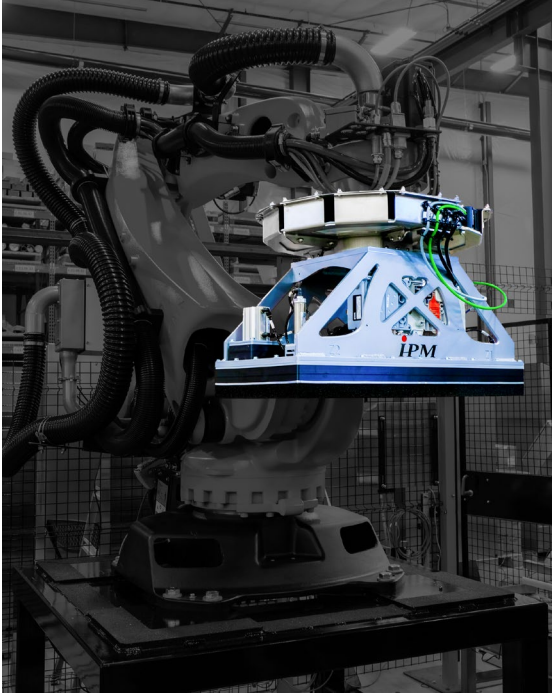


IPM's AccuTURRET™ Cable Management technology compounds accuracy and uptime of robotic palletizers.

by INTEGRATED PACKAGING MACHINERY (IPM)



IPM has introduced the recently patented (US10926421B2) AccuTURRET™ 220 cable management assembly as the latest addition to its robotic palletizing solutions portfolio.

IPM an integrated packaging solutions leader improves OEE and boosts uptime throughout the entire secondary packaging operation.

FOR IMMEDIATE RELEASE

ROCKFORD, MICHIGAN [May 2, 2024] – The patented IPM AccuTURRET™ 220 cable management technology increases the agility of the End-of-Arm-Tool (EOAT) without increasing the demand on the robot's wrist. The AccuTURRET improves the accuracy, speed, reach and efficiency of most pick and place robotic arms in a palletizer application. The AccuTURRET™ 220 has the capability to smoothly rotate the EOAT through any sequence within a full 220° of a pallet-building operation. Every cycle function from picking and placing the initial slip sheet to building full or partial case layers to picking and placing subsequent tier sheets is accelerated or streamlined.

The 220° lateral capability of the AccuTURRET™ 220 technology extends a robot's capability to perform especially difficult pallet building operations in space-limited applications. The AccuTURRET™ can also reduce the complexity and cost of robotic palletizer compressed air systems, improve robot uptime and lengthen maintenance intervals.

The AccuTURRET™ 220 technology achieves this edge in function, performance and cost-to-own metrics by protecting the integrity of the energy, communication and vacuum supply to the EOAT. Robotic palletizer EOAT cabling is a frequent cause of unplanned robot downtime. That's no surprise given that a high-volume packaging line will ask the robotic palletizer to perform the same

3000 or more complete pick and place cycles per shift. Unless prevented, the hoses and cables controlling the mission-critical functions at the EOAT bend and flex in the same way at the same place in every pick and place cycle. The cabling's copper conductors and shields are stressed each time. Copper has poor resistance to repeated stressing and very low resistance to shear stress.

Especially in space-limited applications the AccuTURRET™ 220 technology can be expected to improve pick and place accuracy and frequency, mean-time-between-failure, and, system uptime. When paired with a right-sized palletizing robot the AccuTURRET™ 220 solution will not limit specified payload.