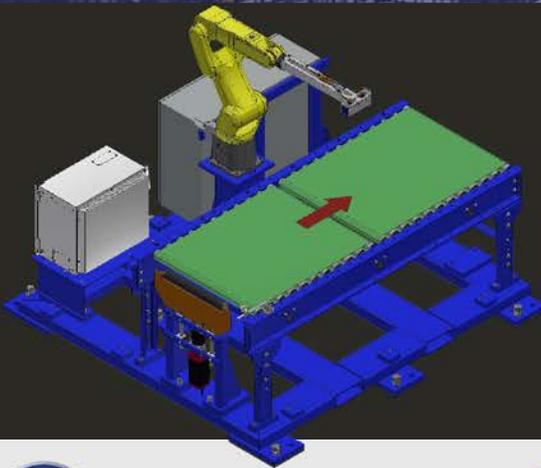


ROBOTIC TAPE INSPECTION



Improperly sealed cases result in spilled cases, ruined product, unstable pallets, and end customer issues. To solve these issues for our customers, we developed a small footprint, high-speed robotic tape inspection station that is integrated into the end of line conveyor. The robot inspects each case quickly for tape tails.



Robot Options

LRMate 200iD/7L – The 7L is a long arm version with a reach of about 1 meter /36 inches.

M-10iA – The M-10iA can increase reach to 2 meters/ 79 inches.

CRX-10iA/L – Various collaborative robots can be used for tape inspection, but rate is reduced. So, it would need to be a lower throughput area.



Cases Sizes

The Tape inspection Station can handle most standard case sizes.

The robot brings a flexibility to the system to allow for **random cases sizes** and **random case positions** on the conveyor.

Transparent Tape can be read using this technology. There is no minimum tape width needed and tape tail length is 2 inches.



Failed Cases

Alarm Sounds

Failed cases trigger an audio/visual alarm. Operators can remove packages for retape. This scenario assumes few errors will occur each day.

Case Diversion

For dealing with high rate systems, the outgoing conveyor from the tape inspection can have a spur to handle failed cases.