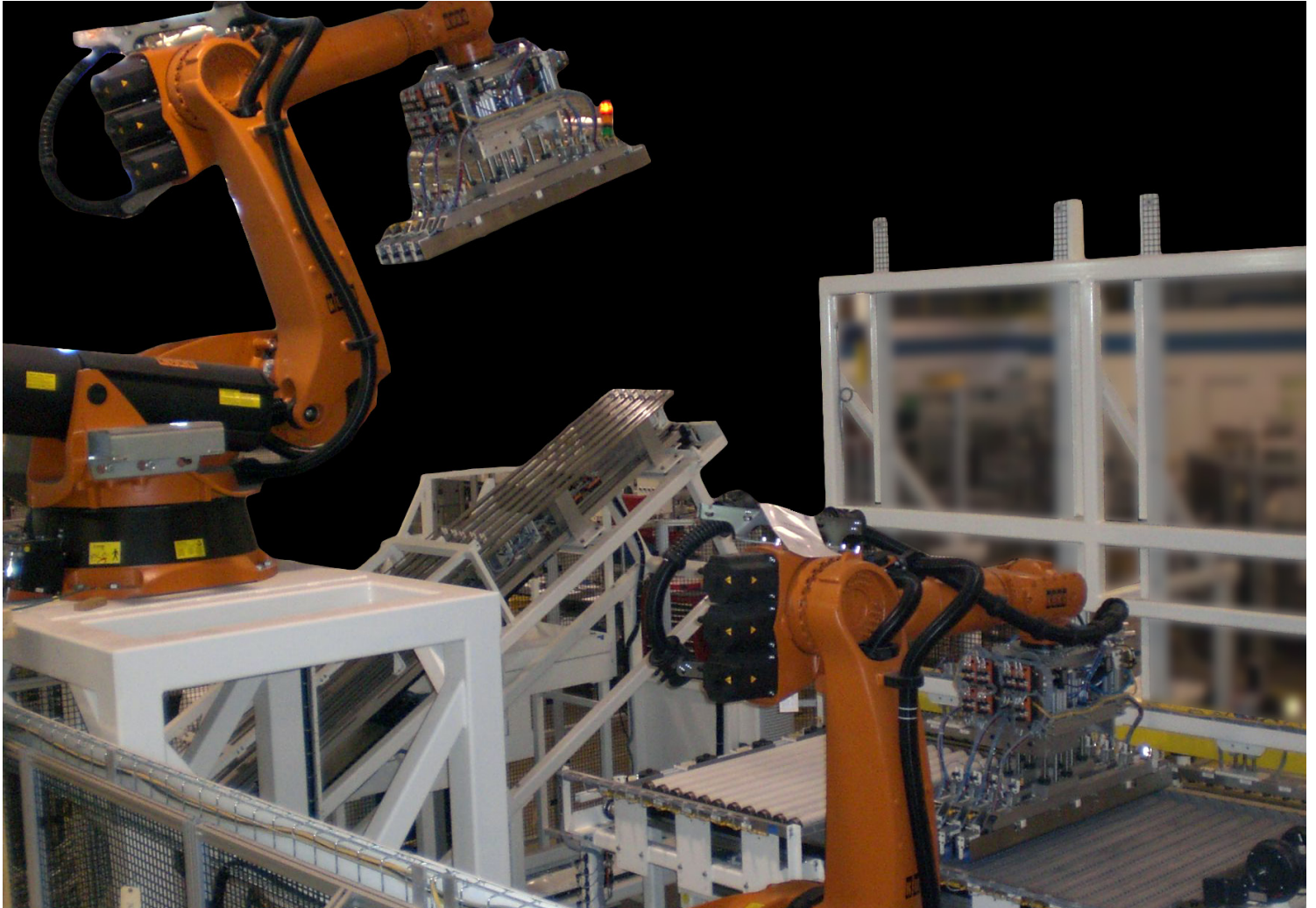




Robotic Tray System (RTS)



Features

- Speeds: Steel ends (5,000 EPM), Beer/Beverage ends (6,000 EPM) with a single robot, Beer/Beverage ends (12,000 EPM) with a dual robot
- Gravity feeds cans on discharge - fewer wearable parts
- QC sample drawer for end inspection and end re-introduction
- Configurable footprint
- Robotic system for low level easy access
- Ability to change end orientation with robot
- *Optional:* Run dual color on discharge (beer / beverage ends)

Robotic Tray System (RTS)

BW Container Systems' Robotic Tray System is a transfer and accumulation system for the can end making process to maximize the efficiency of the line. The Robotic Tray System consists of an infeed system, robot with end of arm tooling, removable storage trays, drawer accumulation system and a discharge system.

Description of Operation

Ends are fed into the infeed sections where they are separated into sticks. The robot picks up the sticks of ends from the infeed and depending on the discharge section requirements will either place the stick into a waiting discharge lane or into one of the accumulation drawers or trays depending on type of storage system utilized.

If there is no requirement for ends on one of the discharge lanes and there are no sticks ready in the robot pockets or infeed lanes, the system will retrieve the first placed stick in storage and place it into the waiting discharge lane keeping all upstream equipment in the line running.

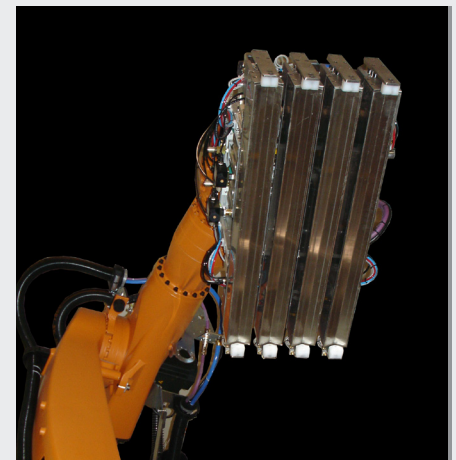
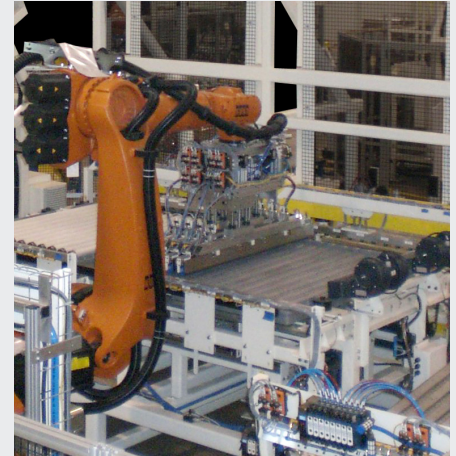
Cost of Operation Advantages

- Reduction in moving components over traditional automation
- Reduced annual maintenance requirements over traditional automation
- Fewer pneumatic devices and lower air consumption over traditional automation
- Electromechanical drives replacing traditional pneumatic components

Controls

- 10" color graphical HMIs
- PLC controls all aspects of the system, including all robot moves
- Current data screen displays efficiency data
- Detailed status messages and corrective action information
- Full manual controls
- Graphics of machine subsections with descriptions

Contact our experienced sales teams today for a comprehensive review of your application(s) and to see how our Robotic Tray Systems can benefit your company.



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