



Machine Access Control Using industrial RFID to control and record access to vital equipment

Industrial RFID systems provide a controlled and tamper resistant solution for limiting access to the machine. Differentiating between operators, technicians, supervisors and engineers provides restricted access to certain maintenance screens or automatically changes the views for the HMI or Interface. Access control is used for verifying the operator's work times, tracking regular maintenance or supervisor override status. Many current solutions utilize physical keys for supervisor override or maintenance calls; but keys are easily copied, lost or shared by employees on the floor causing issues and confusion.

Reasons for Machine Access Control

Operators:

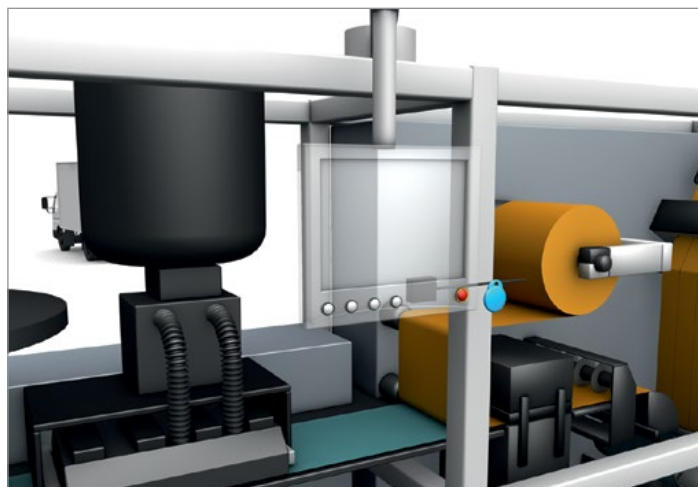
- Verify the operator is trained to run the equipment
- Verify who was running the machine during a problem
- Verify a cleaning or washdown process happened on the appropriate cycle

Maintenance/Engineers:

- Provide access to troubleshooting screens and update
- Provide access to locked screens or pushbuttons
- Track regular maintenance cycles and preventative visits

Supervisors:

- Review a quality or poka-yoke issue
- Review a machine setup or run problem
- Must override or clear a certain machine status



*Labels can be fixed to current employee badges and will not interfere with current access control system.

Access Control in Food & Beverage and Washdown

- Utilize existing stainless steel control boxes
- 125 kHz RFID antenna can read through 3mm of stainless steel
- Colored key fob tags can be utilized for indicating various roles



Order Code	Description	System
BIS0128	Black Key Fob	125 kHz
BIS0129	Blue Key Fob	125 kHz
BIS012A	Green Key Fob	125 kHz
BIS012C	Red Key Fob	125 kHz
BIS0121	RS232 Read Head (thru 3 mm Stainless)	125 kHz

Machine Access Control with ID Cards

- Tamper-proof labels provide secure access or lockout functions to machines
- Reading and writing privileges are handled by an administrator
- Use the Balluff card tag if operators are not supplied company ID badges



Order Code	Description	System
BIS012H	Tamper-proof Label Tag	13.56 MHz
BIS0047	Separate RFID card 54x86mm	13.56 MHz
BIS012N	Panel Mount IO-Link Read/Write Head	13.56 MHz
BIS0157	IP69K IO-Link Read/Write Head (Washdown)	13.56 MHz