

# RFID for Traceability

## Asset Tracking, e-Kanban, Logistics, Work-In-Process

Traceability is the act of documenting every step in a process chain. It will record the history, location, or use of an item by means of automated identification. Manufacturers are facing ever increasing competitive pressure and legal requirements. The desire for visibility in the process, customer satisfaction, profits, and compliance are pushing many manufacturers to look at traceability as a long-term strategy. Manufacturers have discovered that implementing a traceability program is a proven method to meet their strategic goals.

Provided is an overview of the four general areas where a traceability program will provide significant return on investments. Identifying your area(s) will help shape the type of hardware and software required, as well as process changes, to accomplish your goals.

### Traceability Implementation Areas:

#### Asset Tracking

- Eliminate asset losses
- Increase asset productivity and maximize uptime
- Manage maintenance and/or calibration data

#### Logistics

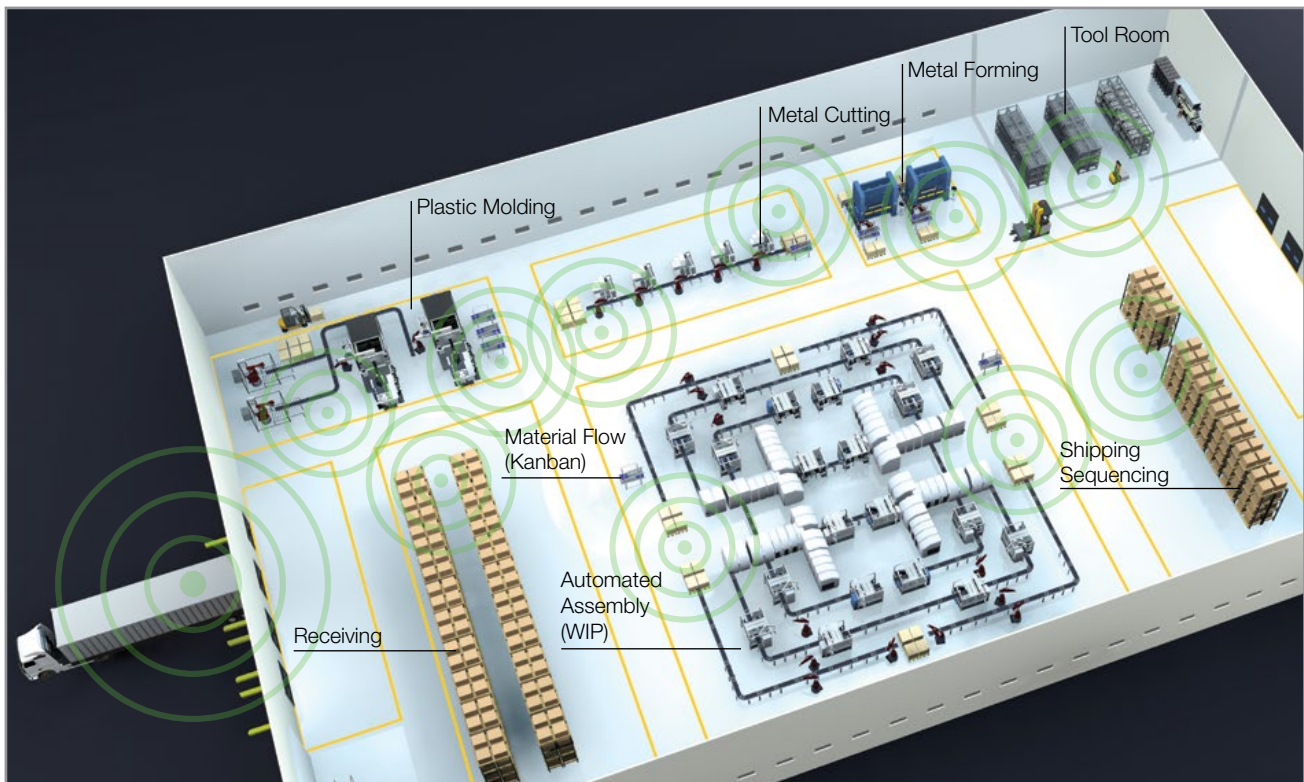
- Reduce time and potential errors when receiving components
- Maintain high level of visibility and traceability from sub suppliers to finished product
- Maintain regulatory compliance

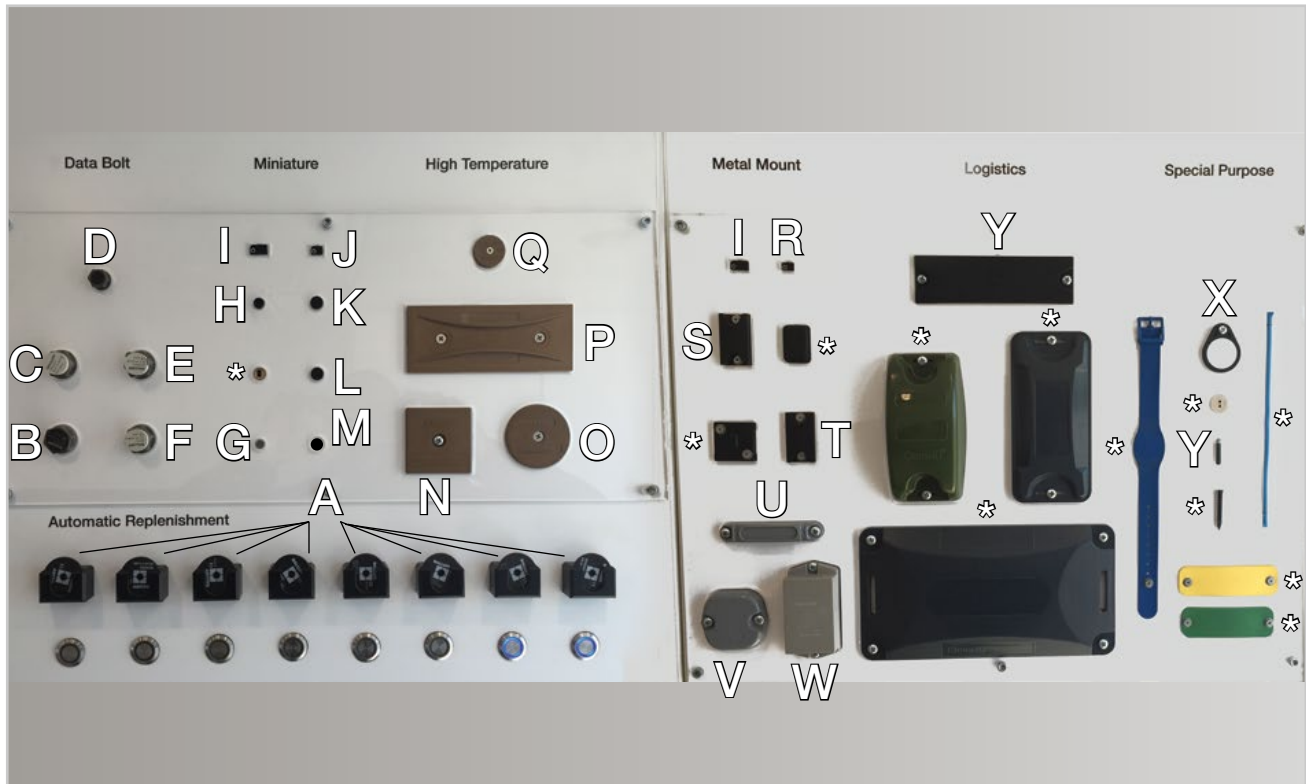
#### E-Kanban Process

- Maintain tight control of in-process inventory levels
- Implement Just-in-Time inventory flow with outside vendors
- Automatic replenishment of line parts

#### Work-in-Process (WIP) Tracking

- Enable flexible manufacturing
- Track the rework process
- Effectively handle product recalls





Letter	Order Code	Description	Memory Capacity	System
A	BIS0045	Data carrier, Rod, Metal mount	2000 bytes	BIS M
B	BIS00J2	Data carrier, Data bolt, M8	1023 bytes	BIS C
C	BIS00PT	Data carrier, Data bolt, M6, IP69K	2000 bytes	BIS M
D	BIS00T1	Data carrier, Data bolt, M6, IP69K	2000 bytes	BIS M
E	BIS00R4	Data carrier, Data bolt, M6, IP69K	2000 bytes	BIS M
F	BIS011H	Data carrier, Data bolt, M8	8192 bytes	BIS M
G	BIS00UC	Data carrier	112 bytes	BIS M
H	BIS00YK	Data carrier	992 bytes	BIS M
I	BIS016T	Data carrier, 902...928 MHz	96...480 Bit EPC	BIS U
J	BIS016P	Data carrier, 902...928 MHz	96...480 Bit EPC	BIS U
K	BIS0048	Data carrier	752 bytes	BIS M
L	BIS0011	Data carrier, Flush	511 bytes	BIS C
M	BIS0009	Data carrier, Flush	1023 bytes	BIS C
N	BIS00Y4	Data carrier, 220°C High temperature	112 bytes	BIS M
O	BIS00Y7	Data carrier, 220°C High temperature	736 bytes	BIS M
P	BIS0173	Data carrier, 860...930 MHz, 220°C High temperature	128 Bit EPC	BIS U
Q	BIS00YE	Data carrier, 860...940 MHz, 220°C High temperature	128 Bit EPC	BIS M
R	BIS016P	Data carrier, Metal mount	96...480 Bit EPC	BIS U
S	BIS011M	Data carrier, Metal mount	96...480 Bit EPC	BIS M
T	BIS004F	Data carrier, Rod, Metal mount	2000 bytes	BIS M
U	BIS0172	Data carrier, Rod, Metal mount	2000 bytes	BIS U
V	BIS00P3	Data carrier, Rod, Metal mount	2000 bytes	BIS M
W	BIS00RC	Transponder, 840...960 MHz, IP67	96...480 Bit EPC	BIS U
X	BIS0128	Data carrier, Fiberglass reinforced, IP67, Key fob access control	-	BIS L
Y	BIS00M2	Data carrier, Rod, Metal mount	112 bytes	BIS M

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