

Comparison Chart between Inspire "SCADA" System & other Barcode, RFID Systems

S.No	Features & Advantages	Inspire SCADA System	RFID & Barcode Systems
1	System Methodology	SCADA - Supervisory Control & Data Acquisition	Just Data Acquisition
2	Pre Production Works	Create OB, plan the machine & Operator, start monitoring	Cumbersome have to write Barcodes, RFID,etc for every operation
3	Suitability for Short Runs	Possible due to less Pre Production work	Cumbersome
4	Bi- Directional Communication & Control	Available	Not Available
5	Automatic Data Capture	Yes can be automated for Under Bed Trimmer Machines	Not Available
6	Light Indicator on every Sewing Machine to highlight the Operator Status	Provided - Easy visual identification of Bottle- Neck areas	Not Available
7	SAM - Downtime Counter & Buzzer indicator to motivate operator to finish the job within allocated SAM	Provided	Not Available
8	Warning Light Indicator to identify under performer	Provided	Not Available
9	Real Time Production Monitoring on floor & LAN	Yes	Yes
10	Flexible Production Line - Sewing machines & Operators can be changed dynamically	Yes	No
11	Instruction Message Option	Yes	No

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12	Inspection Device	Yes with option for Warning Message & provision to stop production if time exceeds more than 30 minutes	No
13	Data Availability	Online	Online
14	Unit Production	Yes	No
15	Bundle Production	Yes	Yes
16	Operator Efficiency	Real Time	Real Time
17	Production Forecast	Instantaneous	Instantaneous
18	Operation Completed & WIP	Instantaneous	Instantaneous
19	Line Balancing	Direct Instruction from Computer	Oral Communication
20	Machinery Down Time Report	Yes	Yes
21	Machinery Maintenance Schedule	Yes	No
22	Tailor Performance Report	Yes	Yes
23	Production Cost	Yes	Yes
24	Initial Investment	Comparitively Less	More
25	Recurring Cost	None	Yes - Cost of Barcodes or RFID Tags

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26	DATA BUS	Latest "CAN" Network (Controller Area network), best suited for Industrial and Demanding conditions	RS-485
27	Adaptability	Easy to adapt since no process change is required	Complicated since it requires process change right from cutting
28	User Friendly	Yes	Yes but only to an extent
29	Products Available	Only Inspire	Leadtec, Methods,G - Pro,etc...