spinnOva™

Online monitoring system

Individual spindle | Rov-stop | Performance | Power

Ring Spinning
Individual Spindle - End breaks, Speed - Outliers
Production, Power - including UKG

Preparatory - Production, Power

Utilities - Power

Each individual spindle, machine and utility power points are monitored continuously for deviations. The integrated information help mills optimise the resources – Power, man power, material and machine conditions.

	Spindle wise [a] data & LED	Rov-Stop [o]	Production [b]	Power [c]
Ring frame	✓	✓	✓	✓
Preparatory			✓	✓
Utilities [c]				✓

a. Spindles – End Breaks, speed outliers, Twist
b. Combined information – production / power, UKG, comparison of machines with identical conditions
c. Compressor, H- Plant, DB, MSB, SSB
o. Roving stop motion - Optional

Machine Terminal Display

Spindle LED

- Stopped-End break
- Idle Spindle
- Slip Spindle

Flash - Rogue Spindle

Tri Colour LED at each spindle calls for immediate attention for even complex but urgent emergencies like Slip , Rogue and Idle spindles which other wise have to await a central monitoring report once a day / shift

Benefits

Workers :

End break LED for each spindle as well as the common LCD display , enables worker to attend on need basis instead of continuous patrolling , reduces walking time and fatigue .

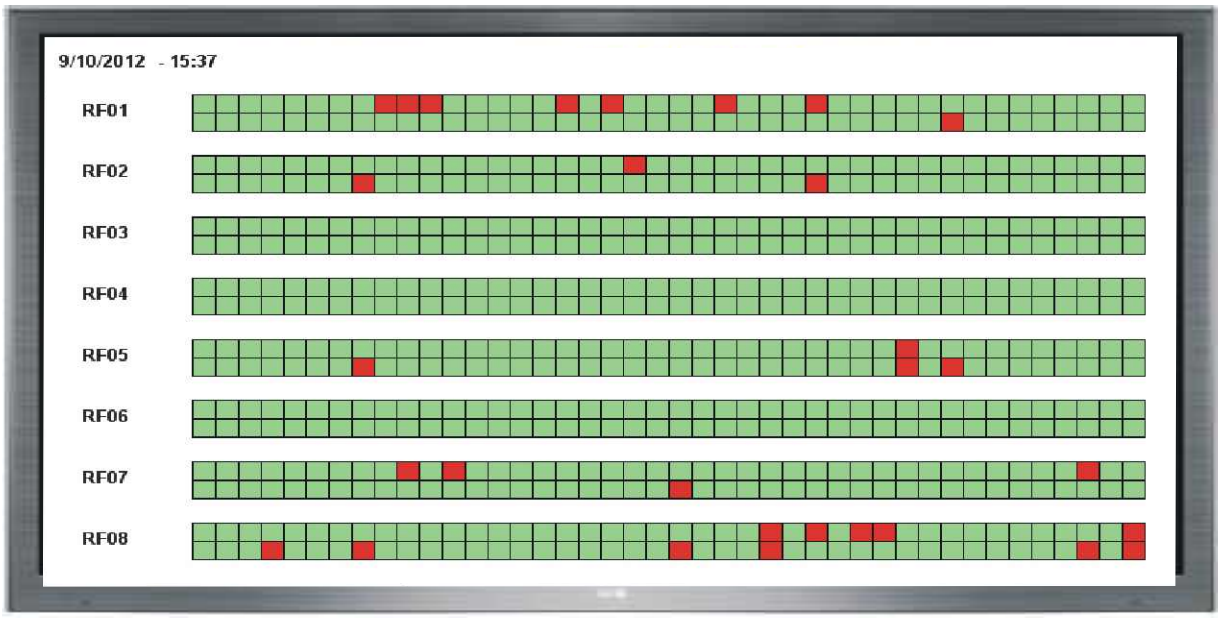
- Higher productivity.
- Convenient and lesser load even with possible additional sides / worker.
- Enables flexible and scientific work allocation.
- Roving stop (Optional) – reduces pneumafil waste and roller lapping.

Mills :

Action based on authentic and timely data helps achieve.

- Set targets and work towards continuous improvement on scientific basis.
- Maximise production (Utilisation , speeds , reduce stops /stop time).
- Minimise Input cost (Manpower , Power , Process waste).
- Maximise operational profit and Institutionalise process control systems.

Central display – LCD monitors End breaks - Section wise



Speed Vs. Power

Target Vs. Acheived

Spinnova-Delta Textiles Pvt Ltd.(Unit1)

Target Vs Actual - Period Wise

Type : Period | From Date : 16/11/2012 | To Date : 16/11/2012 | Shift : 1

Department : SPG | Machine Group : All | Machine : All | Count : 34

Lot No. : All

Machine No.	Count	Lot No.	Production(Kg)			Speed(RPM)			TPI			Over All Eficency (%)		
			Target	Actual	Diff(A-T)	Target	Actual	Diff(A-T)	Target	Actual	Diff(A-T)	Target	Actual	Diff(A-T)
RF01	34	34CH	196.19	200.53	4.34	17800	17850	50	18.65	18.52	-0.13	96.30	97.47	1.17
RF02	34	34CH	196.19	200.73	4.53	17800	17900	100	18.65	18.55	-0.10	96.30	97.45	1.15
RF04	34	34CH	196.19	195.53	-0.66	17800	17600	-200	18.65	18.69	0.04	96.30	97.27	0.97
RF05	34	34CH	196.19	198.70	2.51	17800	17710	-90	18.65	18.54	-0.11	96.30	97.45	1.15

Central server - Reports

Instantaneous shift, day, periodical and long term – numerical and graphical

INDO TEXNOLOGY®

Automate and Monitor to Lead

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