

# spinnOva™

## Online monitoring system



Individual spindle



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 data & LED	Production <sup>b</sup>	Power <sup>c</sup>
Ring frame	✓	✓	✓
Preparatory		✓	✓
Utilities <sup>c</sup>			✓

- Spindles – End Breaks, speed outliers, Twist
- Combined information – production / power, UKG, comparison of machines with identical conditions
- Compressor, H- Plant, DB, MSB, SSB
- 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

# INDO TECHNOLOGY®

Automate and Monitor to Lead

## Benefits for all

### Workers

Lesser load, More productive  
Minimum walking time  
Reduced end breaks

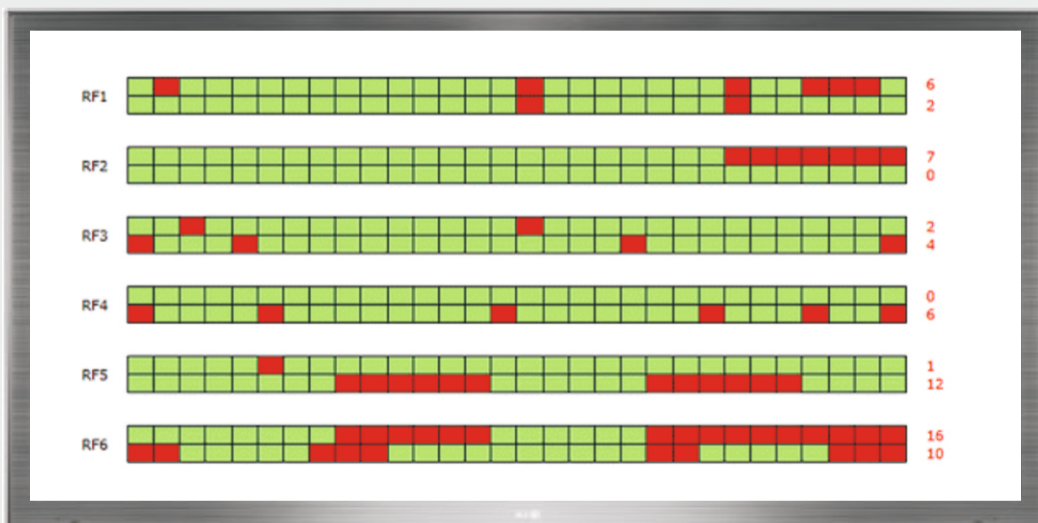
### Technicians / Managers

Maximise production  
Minimise input cost  
Action based on authentic and timely data

### Management

Visibility and control yielding higher profitability

Central display – LCD monitors **End breaks - Section wise**



Speed Vs. Power



Target Vs. Acheived

Spinnova-Delta Textiles Pvt Ltd.(Unit)  
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)			TM			Over All Efficiency (%)		
			Target	Actual	DIFA-T)	Target	Actual	DIFA-T)	Target	Actual	DIFA-T)	Target	Actual	DIFA-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	17800	-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

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