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We Make Technology Easy!

Disrupting the spinning automations

A new way to engage with your production teams

We bring your spinning mill to your cell phone and computers, anywhere in the world

We enable textile machinery to communicate with users, managers and owners with the aim to switch from manual to live and uninterrupted reporting.

About Us

A Pakistani startup bringing disruptive technologies to textile sector at fraction of the cost charged internationally

The Problem

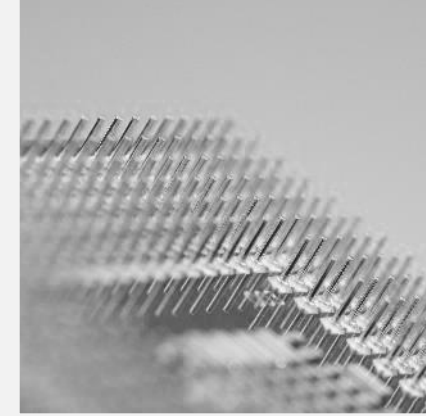## Productivity
Dependency on manual and time-consuming reporting loop

User Frustration
Inability to pin-point actual problem area

Live Updates
Not able to monitor the current production environment

Extreme Costs
Extreme costs of monitoring software and systems

Scarce Analytics
No historic reports to forecast trends and performance evaluation

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RING-SYS

Solution: Ring-Sys

A low cost, indigenously developed, completely matured Ring Frame monitoring system.

Live

Live reporting of all ring section

Alarms

Downtime, speed, Production alarms via e-mails and SMS

Monetize

Negligible implementation and support cost

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Easy Monitoring

Monitor your Ring Frames in live environment on your desktop or cell phone with the ability to leave notes and observations for production staff

Monitor

Monitor RPMs, Speed, Downtime and Production

Customize

Make your own reports and charts

Tested

Ring-Sys is live in largest spinning mill in Pakistan

Authentic

Home grown product, no third part dependency

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Digital Product

Bring your mill to your screen

- Wireless or ethernet based communication

- No extra networking equipment is required

- All reports, charts and live monitoring can be made available on web through a live IP

- Data can be accessed from any where in the world

- Fully Windows, Mac, Android and iPhone compatible
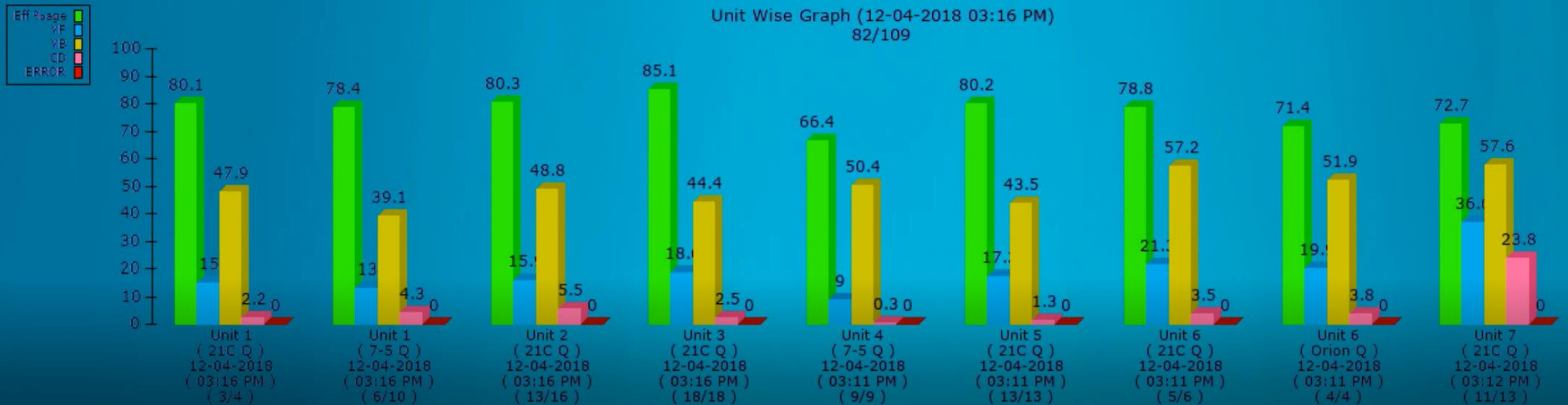
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Product Demo

A new way to engage with textile machinery

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Monitor Live Summary Dash Boards

Take a summary look at ring sections with different variables –
- Efficiency percentages
- Yarn faults
- Yarn breaks
- Count deviations

Reduce Downtimes and Doffing Time

Get detail reports of each ring frame for each day –
- Total downtime
- Total run time
- Average doffing time
- Total production, etc.

Machine	Shift Date	Total Run Hours	Avg Speed	Total Doff	Avg Doff Time	Total Prd (100Lbs)	Target Prd (100Lbs)	Working Eff	Production Eff	NEC	Front Roller Dia	Spndl Dia	Tin Pully Dia	Total Spndl	Max Spindle Speed	Min Spindle Speed
RF6-1	11-Apr-2018	23:02	19,486	15	3.66	7.07	7.62	96.18 %	92.82 %	41	27	20.5	250	528	20,982	17,597
RF6-2	11-Apr-2018	23:12	19,528	15	3.08	7.18	7.56	96.8 %	95 %	41	27	20.5	250	528	20,893	18,397
RF6-3	11-Apr-2018	23:06	19,296	16	3.33	7.04	7.56	96.3 %	93.17 %	41	27	20.5	250	528	20,890	17,660
RF6-4	11-Apr-2018	23:02	20,066	14	4.03	7.32	7.74	96.08 %	94.52 %	41	27	20.5	250	528	21,261	18,325
RF6-5	11-Apr-2018	22:32	18,957	15	5.79	6.84	7.53	93.97 %	90.8 %	41	27	20.5	250	528	20,804	15,119
RF6-6	11-Apr-2018	22:49	19,430	14	4.98	7.02	7.44	95.16 %	94.39 %	41	27	20.5	250	528	20,585	13,842
RF6-7	11-Apr-2018	22:55	19,294	15	4.20	7.04	7.59	95.63 %	92.7 %	41	27	20.5	250	528	20,985	17,695
RF6-8	11-Apr-2018	23:08	19,325	15	3.39	7.07	7.61	96.46 %	92.89 %	41	27	20.5	250	528	20,946	16,515
RF6-9	11-Apr-2018	22:31	19,486	13	3.60	6.72	7.32	93.95 %	91.83 %	41	27	20.5	250	528	20,812	17,195
RF6-10	11-Apr-2018	22:12	19,275	17	2.34	6.84	7.52	92.58 %	91 %	41	27	20.5	250	528	20,710	18,594
RF6-11	11-Apr-2018	21:26	18,699	14	10.96	6.28	7.23	89.35 %	86.91 %	41	27	20.5	250	528	20,532	16,858
RF6-12	11-Apr-2018	23:03	18,424	14	3.99	6.56	6.89	96.12 %	95.18 %	41	27	20.5	250	528	19,624	17,470
RF6-13	11-Apr-2018	22:33	18,580	13	4.69	6.41	6.88	94.02 %	93.23 %	41	27	20.5	250	528	19,593	13,243
RF6-14	11-Apr-2018	23:06	18,488	15	3.52	6.56	6.89	96.34 %	95.21 %	41	27	20.5	250	528	19,591	17,450
RF6-15	11-Apr-2018	22:01	18,237	13	9.05	6.26	7.31	91.83 %	85.64 %	41	27	20.5	250	528	20,778	12,632
RF6-16	11-Apr-2018	22:16	19,544	13	3.59	6.7	7.28	92.91 %	92.02 %	41	27	20.5	250	528	20,738	18,640

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Make Decision on Trend Analysis

Get detail trend analysis of each frame and –
- Make informed decisions
- Pin-Point the problem
- Plan ahead of time
- Perform linear analysis
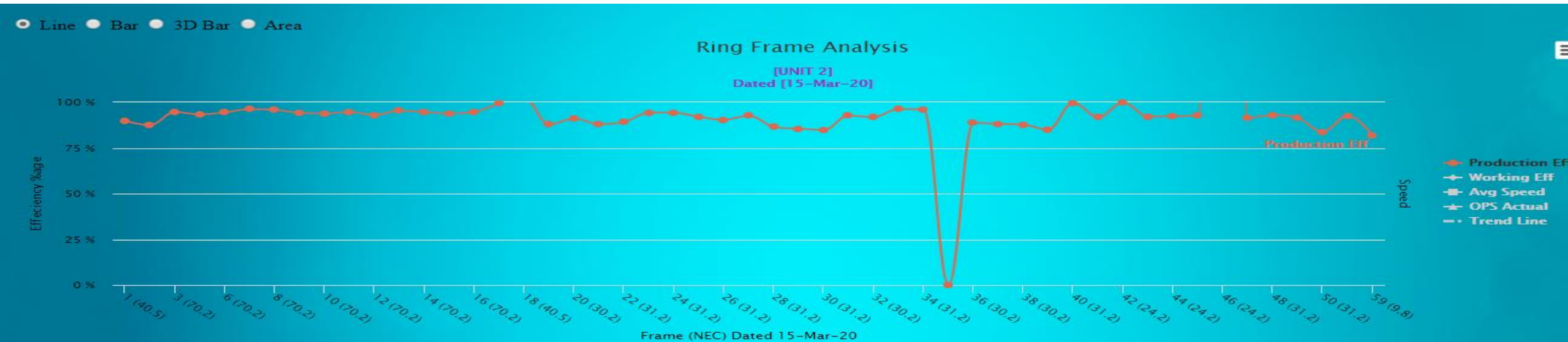
Machine	Shed	Shift Date	Total Run Hours	Avg Speed	Total Doff	Avg Doff Time	Total Prd (100Lbs)	Target Prd (100Lbs)	Working Eff	Production Eff	OPS Actual	Avg T.M	Planned T.M	NEC	Front Roller Dia	Spndl Dia	Tin Pully Dia	Total Spndl	Max Spindle Speed	Min Spindle Speed
RF2-1	Δ2.1 ⬇ 15-Mar-2020	22:59	19,261	12	3.14	5.18	5.76	97.39 %	89.93 %	5.23	3.42	3.47	40.5	27	20.5	250	528	20,548	20,451
RF2-2	Δ5.5 ⬇ 15-Mar-2020	21:49	19,012	12	3.31	4.99	5.7	97.24 %	87.54 %	5.04	3.42	3.47	40.5	27	20.5	250	528	20,349	16,050
RF2-3	Δ1.7 ⬇ 15-Mar-2020	23:11	19,393	4	5.68	2.31	2.44	98.03 %	94.67 %	2.33	3.35	3.44	70.2	27	20.5	250	528	19,549	19,451
RF2-5	Δ3 ⬇ 15-Mar-2020	22:57	19,402	6	2.89	2.27	2.43	97.03 %	93.42 %	2.29	3.35	3.44	70.2	27	20.5	250	528	19,548	19,451

Obtain Historic Comparisons

Maintain historic information for each frame to –
- Compare total production
- Compare efficiencies
- Average spindle speed
- Total run and down time

Machine #	RF6-1						
Date From	03/26/18						
Date To	04/10/18		Display	PDF			

Date	Total Production (100Lbs)	Working EFF	Production EFF	NEC	Average Spindle Speed	Planned Down Minutes	Total Run Time(H:M)
26-Mar-18 Δ 0%	6.82	96.27	92.11	41	19,097	0	23:05
27-Mar-18 Δ 4.35%	7.13	97.79	95.5	41	19,875	0	23:27
28-Mar-18 Δ 0.83%	7.19	97.4	96.41	41	19,940	0	23:22
29-Mar-18 Δ 0.97%	7.12	96.69	95.5	41	20,047	0	23:11
30-Mar-18 Δ 4.49%	6.80	94.68	91.46	41	19,448	0	22:43
31-Mar-18 Δ 3.82%	7.07	96.55	95.33	41	19,800	0	23:08
01-Apr-18 Δ 2.48%	7.25	96.74	94.98	41	19,812	0	23:12
02-Apr-18 Δ 0.55%	7.21	95.62	94.45	41	19,704	0	22:56
03-Apr-18 Δ 1.64%	7.33	97.26	96.02	41	19,951	0	23:17

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Other Features

- Shift wise analysis

- Daily summarized information SMS configuration

- Customize SMS based alerts

- Customize email-based information and alerts

- Down spindle SMS alert

- Comparison of Live TM, TPI, Production in Lbs., etc.

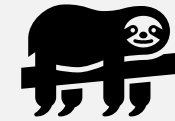- Motor temperature module

- Front roller and main shaft speeds

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How it Works for You!

Make the data work for you.

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Identify & Rectify

Increase efficiencies and over all production of your frames, sheds and units by monitoring the key variables.

Idle Time
Reduce idle time by monitoring yarn breaks

Targets
Monitor target vs Actual performance of sheds and units

Efficiency
Increase efficiencies by taking corrective actions

Production
Increase production by active monitoring of sheds & units.

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1

Reduce idle and stop times by monitoring doffing time

2

Measure actual vs targets in pro-actively instead of reactively

3

Monitor speeds and prevent machine maintenance costs.

4

Get significant production boost by taking corrective actions each day, month and year.

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Textile Portfolio

- **Ring-Sys:** A complete Ring Frame monitoring system

- **Auto-Sys:** State of the Art, Auto Cone monitoring system

- **Loom-Sys:** A complete Loom Monitoring system

- **Elec-Sys:** A smart high- and low-tension electricity monitoring system

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Thank You

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