



Since 1993 &
Over **400** Installations
Around **30000** Machines
Across the Globe



Truly
Monitoring
Knitting



Real Time Monitoring System for Knitting

Circular | Flat | Warp | Label | Tape

**Trusted by leading mills world wide
in over 400 mills on over 30000 machines**

About Us

Since its inception in 1993, Datalog has installations in India, Indonesia, Rwanda, Mauritius, Bangladesh, Thailand, Madagascar, Egypt, Mexico, Ecuador, Argentina, Colombia, Nigeria, Turkey, Malaysia, USA, Morocco, Tunisia etc.,

Monitor Performance & Enhance Productivity using DATALOG

Productivity is assured by continuous monitoring of performance of every single Machine in the mill. Unwanted stoppages can throw a spanner in the works and drastically impact production schedules. That is why it is imperative to invest in **DATALOG On Line Monitoring System** for Machine to monitor the Knitting Shed 24 X 7.

Datalog System facilitates continuous monitoring of each machine individually & collectively. Data is processed and useful reports are generated. The web based software helps in seamless running of operations, contributing to better productivity which translates into higher PROFITS.

Integrated information of all types of Machine in one software. Reduce Machine Down Time by Continuous monitoring.

Compare Operators to identify low performing Operator and train for better results.

Configuration of DATALOG Installation



Machine Terminal

The Machine Terminal comes with an in-built microprocessor, a user friendly keyboard and display for ease of operations. The data collected from the machines are transferred to a central computer Online & View all information on Machine Terminal fitted on every Machine.

Two Alarms A1 & A2 are provided on the machine terminal keyboard which can be programmed as per user requirement.

Software

Web based **D-Smart** software collects the data from the Machine Terminals and generates various reports.

D-Smart arranges the data in well-structured reports, which can be easily interpreted. The reports can be called through the Menu Driven User Friendly Software. GUI nature of the software eliminates the complicated keystrokes and codes. It has the facility to transfer the data to any ERP system. The software can be access from various nodes across the plant. Web based software & hence easy to access the data from within or outside the mill(during travel). Can be accessed from PC, TAB, Mobile etc., through Intranet / Internet.



Higher Profits through Higher Productivity using DATALOG

Monitor

Measure

Interpret

Intervene

Swot Analysis

Automatic Email

Mobile App

ERP Interface

SMS Alerts

Large Panel Display

SCORE Board

RFID Interface

Barcode Interface

Finger Print



REAL TIME MONITORING SYSTEM
to Enhance Productivity, Efficiency & Quality

PRODUCTION

STOPPAGE

EFFICIENCY

ENERGY

MAN POWER

REPORTS

SNAP STUDY

DASH BOARDS

RPM & Kgs

Quality Produced

Short Stop

Long Stop

Other Stop

Actual

Power Consumption

Operator

Production

Management Reports

Overall / Shed

Instantaneous

Planned

Time Stamp

Production

Voltage / Current

Supervisor

Stoppage

Yarn Consumption Report

Production

Average

Actual

Stop / Hr

Operator

Kwh / KVA

Fitter

Efficiency

Exception Reports

Stoppage

Target

Breaks / Stop

Supervisor

PF

Automatic Operator Planning

Performance

Comparison Report

Efficiency / Speed

Minutes / Stop

Trend Graph

Graphical / Text

Roll Doff Reports

Periodical Report Hourly

Operator Section / Group

Stop Diagram

Efficiency Based Incentive

Cost

Order Planning

Long Term - True Drill Down Reports

Power Consumption

Customised User Reports

Speed Graph

Temperature & Humidity

Products | Range | Options of DATALOG Real Time Monitoring System for Knitting

Production, Stoppage & Efficiency

Machine Wise, Design Wise, Operator Wise

Power - Optional

Machine Wise, DB wise, SSB Wise, Lighting Load Wise, at Power House, Humidification Plant, Compressor

Humidity & Temperature Optional

At various points inside the shed

Spare Parts Failure Analysis

Power Monitoring - Optional

Analysing Power Consumption Reports will help mills to

- Reduce Power Bills (Cost)
- Arrive at Cost / Meter of fabric produced
- Speed vs Power Consumed
- Quality of Power
- Monitor Health of Motor and other related hardware
- Power (Machine Wise, DB wise, SSB Wise, Lighting Load Wise, at Power House, Humidification Plant, Compressor)



Humidity & Temperature Monitoring - Optional

- Analyse RH & Temp. variations at different points inside the shed
- Optimize RH & Temp. for best Shed Running Condition
- Humidity & Temperature (At various points inside the shed)

Models & Optional Attachments

Machine Terminal with Finger Print Sensor for Registering

- Operator ID / Attendance
- Supervisor ID / Attendance
- Inspector ID



Machine Terminal with Bar-Code Interface or RFID Interface for Registering

- Style
- Operator ID / Attendance
- Supervisor ID / Attendance
- Inspector ID



Machine Terminal with Fabric Defect Entry for Registering

- Fabric Defect on the Machine



Machine Terminal with Roll Doff

- Automatic Roll Doff on preset Meter / Kgs



Machine Terminal with Automatic Machine Start / Stop arrangement

- Stop the Machine for any pre-set parameter

Machine Terminal with Light Indication Arrangement

- To provide various Indications for any pre-set parameter



Score Board in 3 Sizes

- For every Machine
- For Group of Machines
- For Shed or Central Location

FABRIC INSPECTION TERMINAL with Touch Screen Display & User Specific Keyboard that replaces the conventional way of manual recording.

- Inspector with ease can enter Fabric Defects & Points on the FABRIC INSPECTION TERMINAL by gently pressing the pre defined Defect & Points.
- The system automatically measures & records Fabric Length at which the Defect & Point has occurred using the Shaft Encoder connected to FIT.
- A Computer connected in IT-Network collects information recorded by inspector on FIT through Ethernet Connectivity.
- Web Based Software processes these data from the FIT.
- Process includes Capturing, Sorting, Storing, Retrieving, Calculating and Displaying various User friendly Reports & Screens.
- Software is designed with an unique artificial intelligent logic to generate Automatic Cutting Plan to achieve maximum.
- Possible realization from inspected fabric based grading specifications defined by mills.
- Automatic length measurement by system.
- Automatic Width measurement by system - Optional.
- Automatic Cutting Plan is displayed in Graph and Text.
- Label Printing for each Roll in Text / Barcode - Optional.
- Barcode scanner interface for capturing Batch Roll information - Optional.
- Weighing Scale interface for Roll weight - Optional.

OTHER PRODUCTS

ONLINE MONITORING SYSTEM FOR

Spinning

Weaving

**Fabric
Inspection**

SOFTWARE FOR

Maintenance Scheduling & Break-down Maintenance Including Costing



Marketed by :

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