MIERUZZO

Easy-to-Use
Production Visualization Tools & Software

MIERUZZO EVENT LOGGER SERIES

- 8 Event Input
- 2 Count Input
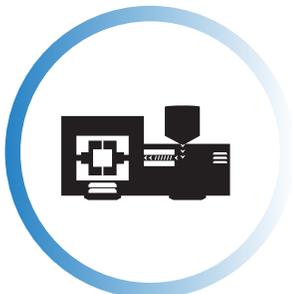- Internal Clock
- USB Memory

LINE SEIKI

POWER USB LOGGING
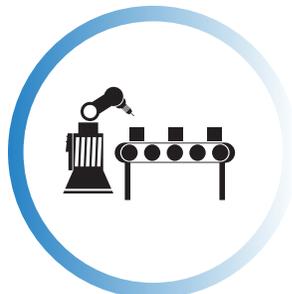
SEL

STOP LOGGING

MIERUZZO EVENT LOGGER

M13-101*

Make Production Visible to:

☑ Identify Hidden Problems
☑ Maximize Asset Utilization
☑ Increase Productivity
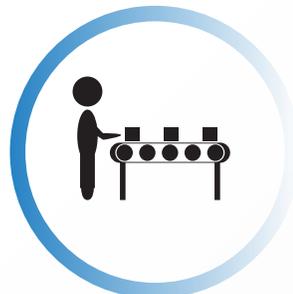☑ Minimize Downtimes

MEL provides visualization in:

Machines, Equipments   Automated Assembly   Manual Assembly   Production Floor

* MEL works with Mieruzzo Accessories & Software!

Easy to Use Production Visualization Tools & Software

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OVERVIEW

Production visualization can be implemented in 3 Easy Steps:

① Monitor production events and outputs using sensors, machine-generated signals and various specialized Mieruzzo accessories.

② Save production data using Mieruzzo Event Logger [M13-101, MEL].

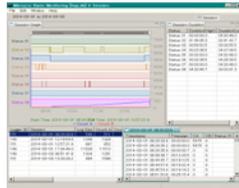③ Visualize and analyze data using Mieruzzo software [BasiMon, ProMon].

MIERUZZO Event Logger: M13-101

MEL

- 8 State Inputs - for monitoring production events such as:
  - ON Time
  - Productive Time
  - Setup Time
  - Breaktime
  - Downtime
  - Rejects etc.
- 2 Counter Inputs - for monitoring production output
- Timestamp function
- Hourmeter function
- External Display Units

ACCESSORIES & SOFTWARE

Input Filter: M13-201

MIF

- Dedicated accessory to Mieruzzo Event Logger (M13-101).
- Attaching to dedicated 'slots' automatically selects between two input filter functions:
  - Watchdog Timer Function
    - used to determine productive and non-productive time
  - Pulse Filter Function
    - used to convert multiple pulse to a one-shot pulse

Watchdog Timer: M13-210

MA-WT

- Used to determine productive and non-productive time by using a timer to monitor input which is taken from output of machines, equipments, assembly lines etc.
- Timer Setting Range: 1 sec to 99 min, 59 sec
- Supports DIN rail type mounting.

Pulse Filter: M13-211

MA-PF

- Used to convert multiple pulse inputs in a one-shot output by using a timer to filter all pulse received after a first pulse that triggers the timer.
- Time Setting Range: 0.1 sec to 999.9 sec
- Supports DIN rail type mounting.

Logic Filter: M13-212

MA-LF

- Used to filter an input pulse by comparing 4 x logic inputs to 4 x logic conditions (H or L):
  - if all logic input matches all logic conditions, input pulse passes through the output
  - else, output is always low (0)
- Logic Condition Setting:
  - input logic conditions can be set via individual DIP switches
- Supports DIN rail type mounting.

Switchbox: M13-206/207

MA-SB

- Push button switch with multiple operation modes which can be used as input for various types of requirements:
  - Momentary Mode
  - Alternate Mode
  - Latch Mode
  - Selector Mode
- Can be reset and activated by an external signal (sensor) which is connected via terminal block.

Input Box: M13-213

MA-IB

- Switch box complete with corresponding number of push button switches for each of the 8x state input and 2x count inputs of Mieruzzo Event Logger (M13-101).
- Indicator lights shows the state of corresponding switch:
  - OFF means switch is OPEN
  - ON means switch is CLOSE
- Switches can be activated by an external signal (sensor) which is connected via terminal block.

Large Display (Progress Indicator): M13-401/402

MLD

- Dedicated large external display device which functions as a production progress indicator using data sent from the Mieruzzo Event Logger (M13-101):
  - 100mm high 7-segment LED
- Can stack up to 4x individual units to create a 4-layer display.
- Display Values:
  - *Count A   *Count A - Count B
  - *Count B   *Target Quantity etc

Small Display (Progress Indicator): M13-403

MSD

- Dedicated external display device which functions as a production progress indicator using data sent from the Mieruzzo Event Logger (M13-101):
  - 25mm high 7-segment LED
- 3-layer display built in a single unit.
- Display Values:
  - *Count A   *Count A - Count B
  - *Count B   *Target Quantity etc

Basic Monitoring Software: M13-501

BasiMon

- Free companion software bundled with the Mieruzzo Event Logger (M13-101) which is capable of the following basic data management function:
  - download logger data to computer.
  - view data as individual data logs or as raw Ghantt chart
  - export data to .CSV or .XLS file format

Machine Monitoring Software: M13-502

ProMon

- Dedicated analysis software for production monitoring and analysis.
- It has all the basic functions of BasiMon with additional functions essential for analyzing production performance such as:
  - grouping production data via tags like 'product','machine','operator', 'material' etc.
  - built in function to show various production performance details

For more information, please visit www.mieruzzo.com

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