# OEE Display  -  real-time production line monitoring

OEE is a production performance measurement which continually monitors 3 key variables on your line:-

1. Speed - is your product output slower than it should be?
2. Quality - is your line producing too many rejects?
3. Availability - is your line producing for as long as expected?

Each variable has a scale of 0-100%. We multiply the 3 variables together, to get an **O**verall **E**quipment **E**fficiency figure which is a commonly used modern measure of line performance. You can send this data to large overhead displays, so everyone can see how they are performing, or save it into a spreadhseet using custom software to suit your exact  needs.
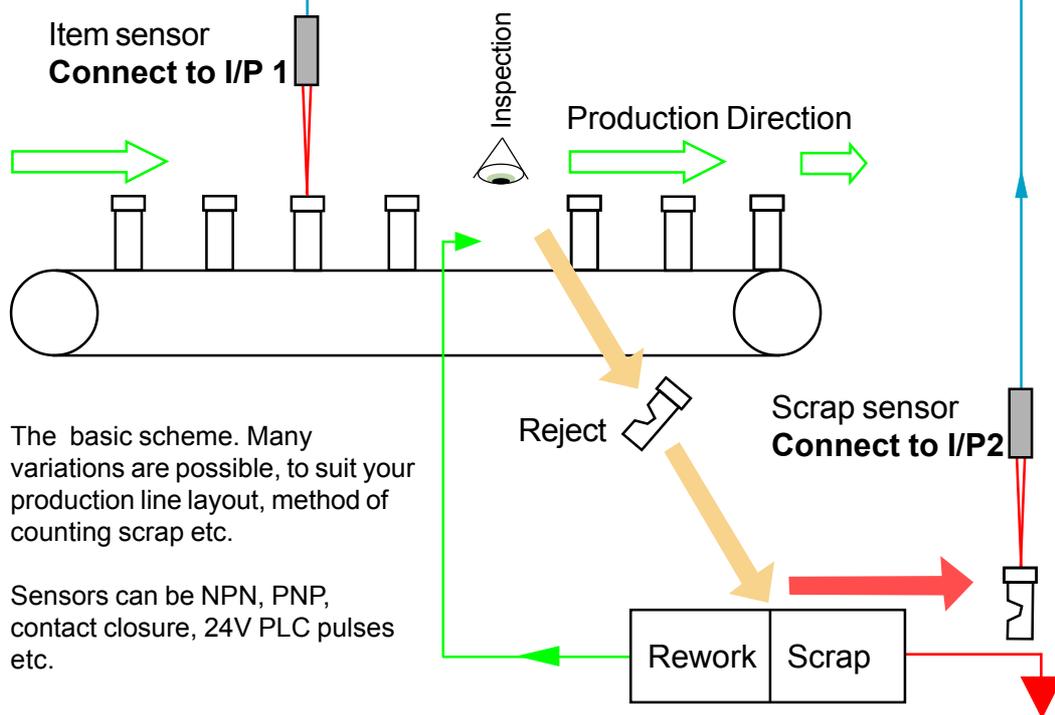
- **Instantly see OEE, availability and quality**
- **Instantly see live actual versus target**
- **Affordable for all production machinery**
- **Easy to set to your line's performance**
- **Alarm and data output options**

You want your production machinery to be operating at maximum efficiency at all times, but it is sometimes hard to keep track of performance, especially if you use a manual recording system. Manual systems are usually only updated at the end of each shift.

The INT-OEE real-time OEE monitor allows you to see  your production performance at a glance, so you will know if things are running smoothly or if they need attention.

Example of a custom OEE spreadsheet



data



Item sensor
**Connect to I/P 1**

Inspection

Production Direction

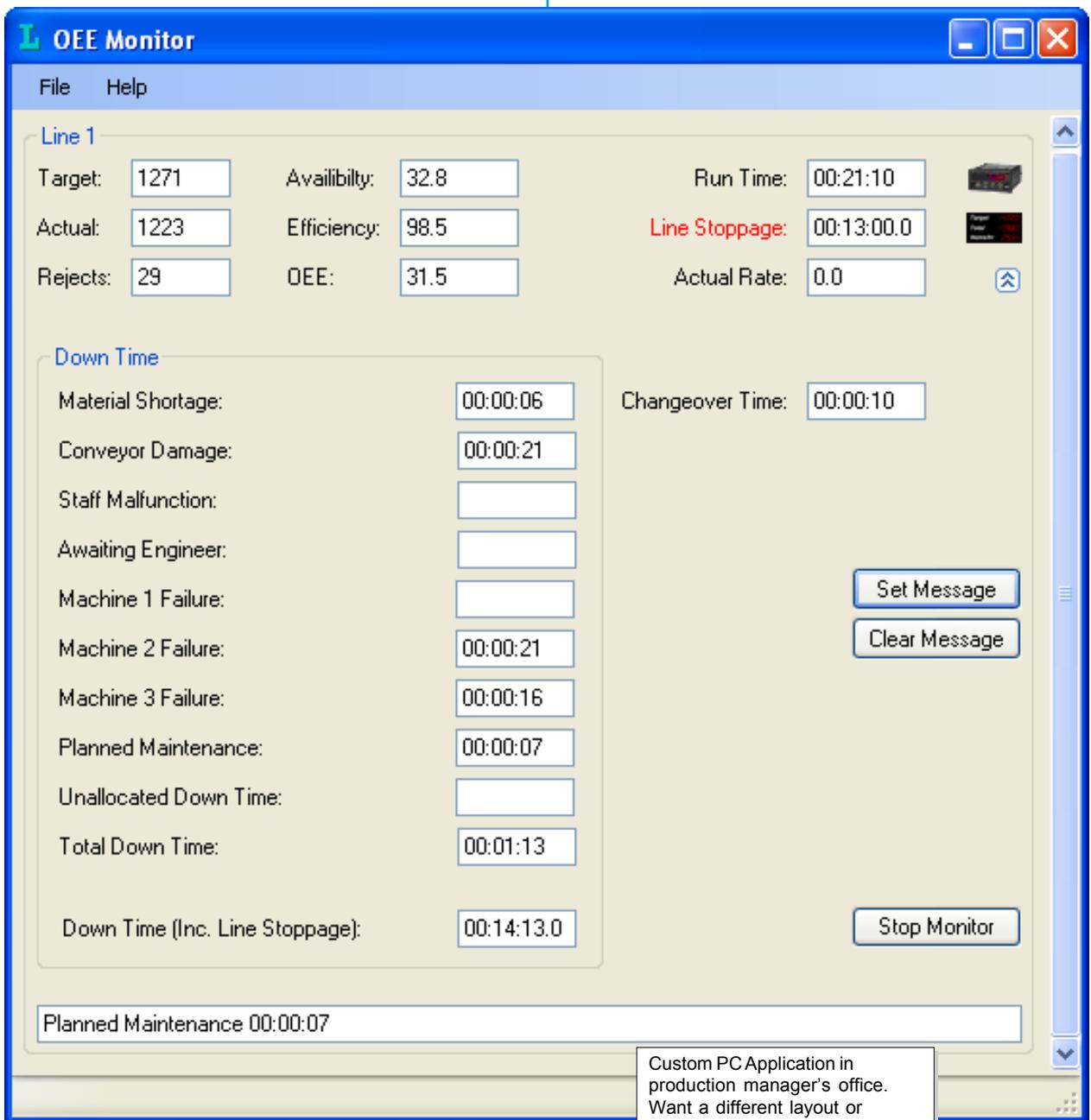Reject

Scrap sensor
**Connect to I/P2**

The  basic scheme. Many variations are possible, to suit your production line layout, method of counting scrap etc.

Sensors can be NPN, PNP, contact closure, 24V PLC pulses etc.

Rework   Scrap

ISO9001:2000

**Planned Maintenance 00:00:07**
**Current OEE 31.5%**

Large overhead display example

RS232, RS485, Ethernet ...

## OEE Monitor

File    Help

### Line 1

| | | | | | |
|---|---|---|---|---|---|
| Target: | 1271 | Availibilty: | 32.8 | Run Time: | 00:21:10 |
| Actual: | 1223 | Efficiency: | 98.5 | Line Stoppage: | 00:13:00.0 |
| Rejects: | 29 | OEE: | 31.5 | Actual Rate: | 0.0 |

### Down Time

| | |
|---|---|
| Material Shortage: | 00:00:06 |
| Conveyor Damage: | 00:00:21 |
| Staff Malfunction: | |
| Awaiting Engineer: | |
| Machine 1 Failure: | |
| Machine 2 Failure: | 00:00:21 |
| Machine 3 Failure: | 00:00:16 |
| Planned Maintenance: | 00:00:07 |
| Unallocated Down Time: | |
| Total Down Time: | 00:01:13 |
| Down Time (Inc. Line Stoppage): | 00:14:13.0 |

Changeover Time:   00:00:10

Set Message
Clear Message
Stop Monitor

Planned Maintenance 00:00:07

Custom PC Application in production manager's office. Want a different layout or different set of data? Just let us know and we can tailor a system to suit your exact needs.

RS232, RS485, Ethernet ...

### Ordering   Guide:

INT-OEE-0 ☐ ☐ ☐ ☐

Alarm relay        **0** = none      **AL2** = fitted
Data comms  **0** = none   **232** = RS232   **485** = RS485
Display colour  **R** = red **G** = green
Power **AC** = 95 to 265 VAC    **DC** = 11-30 VDC
Example  **INT-OEE-0-AL2-232-R-AC**

ISO9001:2000

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