

# OEE – Increasing system efficiency

**FESTO**

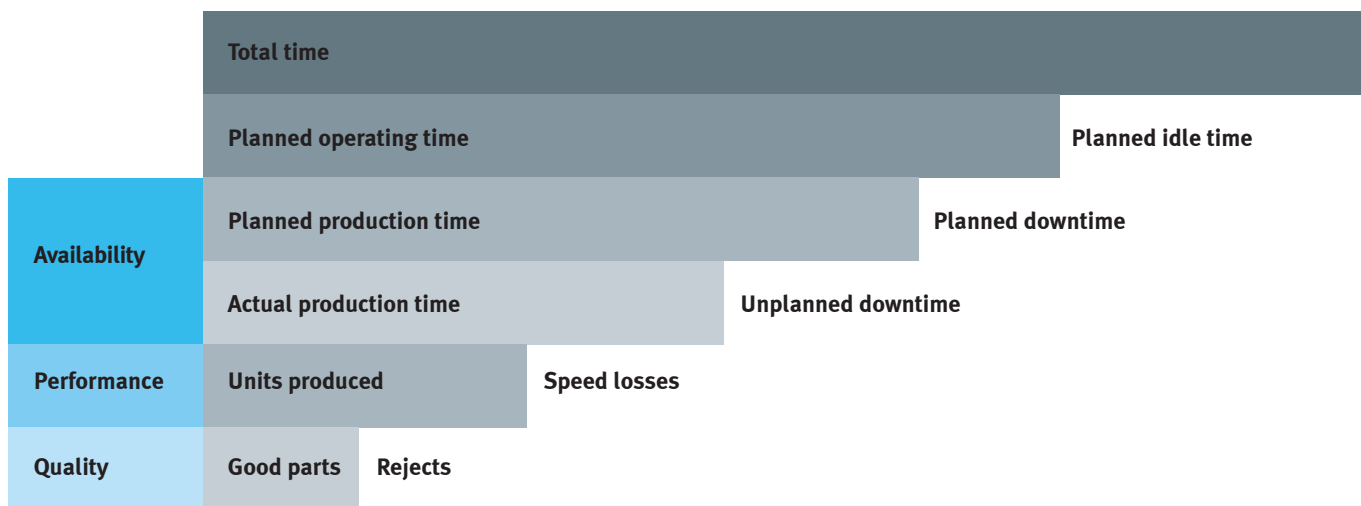


# High system availability doesn't happen by chance!

It is the result of forward-looking action. The measure of a system's value creation is its overall equipment effectiveness (OEE). This is determined by three factors:

**Availability – Performance – Quality**

Looking at overall equipment effectiveness provides a clear indication of whether you can maximise productivity and thus make system operation even more economical.

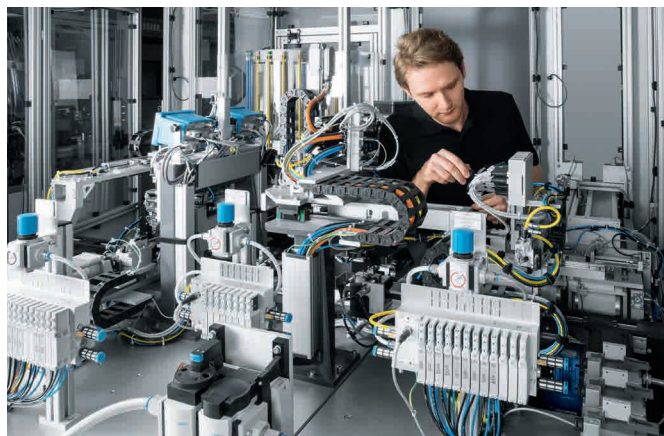


## What is your objective?

Is your OEE too low, and do you want to increase it?  
Do you want to minimise system downtimes?  
Or do you want to extend the maintenance intervals for your system and plan them too?

If you are interested in any of these three points, you should optimise your system and machine functions.

Our practical tips on the next page will show you how to quickly and simply increase your overall equipment effectiveness.



## Availability

### Reduce the length of planned downtimes and avoid unplanned downtimes

Planned downtimes are required for:

- Format changeovers
- Cleaning the system
- Scheduled maintenance

These tasks take up valuable time. Analysing how you deal with these tasks often helps to reduce the associated downtimes.

Preventive maintenance avoids a great number of breakdowns. In the event of a breakdown, the cause must be quickly identified and the problem eliminated as rapidly and simply as possible.



#### Clean Design valve terminal MPA-C

Extremely sturdy in IP69k for time-saving cleaning



#### Pressure gauge MA-RG

For simple monitoring of actual values based on adjustable red/green zones



#### Automation platform CPX

Active diagnostics management for fast error detection

## Performance

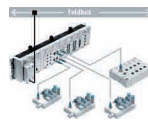
### High machine cycles, optimum speed

How do you achieve maximum productivity? By finding the optimum cycle that does not overload the system/machine.

For this you need:

- Perfect processes
- Efficient system management
- Suitable machine components

We can help you with this!



#### Decentralised installation concepts

Close to the consuming device: short paths for low power losses



#### Integrated drive EMCA

For flexible motion profiles in dynamic applications



#### Self-adjusting end-position cushioning system PPS

Pneumatic drives always correctly and automatically adjusted – for optimum operation

## Quality

### Consistently high quality is the top priority

This is how you avoid expensive rework or having to completely write off a product.

As your partner, we offer you a large variety of solutions.



#### MS series service unit

Always the right compressed air quality – up to class 1:2:1 (ISO 8573-1:2010)



#### Vision sensor SBSx

Reliable quality inspection with intuitive vision system



#### Fast-switching valve MH2/3

Short response times and maximum repetition accuracy for consistent quality



# Productivity

## **Maximum productivity is a question of ambition**

Do you share this attitude? We will be glad to help you achieve this goal – through our four outstanding qualities:

- Security • Efficiency • Simplicity • Competency

We are the engineers of productivity.

Discover new dimensions for your company:

→ [www.festo.com/whyfesto](http://www.festo.com/whyfesto)