COSMINO®
Continuous Improvement Software

MES *plus*
Manufacturing Execution System

- ◆ Reduce downtimes
- ◆ Expose available capacities
- ◆ Purposefully reduce costs
- ◆ Start improvements
- ◆ Set and meet objectives

The Cosmino® Suite is a powerful **MES** system that incorporates Continuous Improvement and Overall Equipment Effectiveness (OEE).

COSMINO® *express*

OEE
Overall Equipment Effectiveness

Increase

Process Efficiency

ProControl
Quality Management

Improve

Product Quality

Make the
MAXIMUM
Manageable

by a
minimum
of means

express

GET STARTED:
QUICK AND
EASY

With Cosmino® *express* you can introduce a fully operational OEE and QM solution. All you need is a PC, a printer and a scanner.

Cosmino® *express* OEE

Collect and analyze production data to identify hidden capacities and cost drivers.

Cosmino® *express* ProControl

Collect and analyze data for statistical process control and quality management.

Both of our Cosmino® *express* packages include pre-defined and automated reporting based on our award-winning business intelligence solution Cosmino® DynaMon, our unique scanning solution Cosmino® IntelliScan

for handwritten document data entry and Cosmino® ImproveManager, the fully integrated module supporting the measure management for Continuous Improvement Processes (CIP).

Your Cosmino *express*® Advantages:

◆ The most cost-effective entry-level solution on the market with low follow-up costs

◆ Daily up-to-date key metrics, data and facts from production

◆ Ready to use with minimum hardware requirements

◆ Fully operational even without the need of a costly IT network

◆ Can be readily integrated with ERP systems and other existing data sources

Hand filled out form → Equipment & quality data → Evaluations & key indicators

OEE
Objectively evaluate and purposefully increase effectiveness

ProControl
Improve product quality and maintain test cycles

IntelliScan
Automatically enter data using handwritten documents

DynaMon
Automated reports with integrated management of targets and measures

EXTENDING TO AN MES SYSTEM:
ADD FUNCTIONALITY
AS REQUIRED

Whether you use a single Cosmino® MES*plus* module as standalone solution for a certain task, combine various modules, or integrate our complete solution into your IT landscape: Cosmino® allows you to choose specific and tailor-made solutions to suit your demands.

You decide on the sequence, in which you introduce the Cosmino® MES*plus* modules.

Your Cosmino® MES*plus* Advantages:

◆ All modules are standard software and can be implemented quickly

◆ Highly customizable to perfectly align with your specific needs

◆ Lean solutions requiring minimum training effort

◆ Benefit from continuous development and updates that incorporate the latest best practices

Enter data, audits, downtimes and retrieve key reports through a single user interface

WorkerPoint

Import machine data in real time — e.g. for automated downtime notifications

MachineConnector

Enter and visualize process parameters in real time and issue alarms as needed

ConditionMonitor

Improve effectiveness of tool deployment by using service life management

ToolControl

Logging of process status as well as order and material tracking

Traceability

Monitor productivity including time recordings by production order

Productivity

Monitor OEE-based runtime calculations via a virtual control center for the team

ControlCenter

Cosmino® MES*plus* is the only available MES solution that includes comprehensive functions for managing a company's continuous improvement processes. This includes analysis and planning of improvement ideas, progress monitoring and cost-benefit analysis.

Cosmino® helps standardizing the improvement process, for example by guiding employees through relevant steps – such as when conducting meetings and audits.

Your Cosmino® MES*plus* Advantages:

◆ Support of measure management according to PDCA (Deming) and DMAIC control loop

◆ Objective evaluation of improvement measures

◆ Direct link between production data, reports, key indicators, and improvement measures

Measure, monitor
and improve energy
efficiency

EnergyVision

Schedule preventive
maintenance at runtime,
quantity and intermittent
intervals

PreventiveAction

Adhere to pre-defined
communication schedules
through standardized
moderator support

MeetingManager

AnalyzeHelp

Improve analysis
and problem
solving

AuditManager

Plan, conduct and
evaluate audits
seamlessly integrated
into the regular work
environment

ImproveManager

Link measures with
metrics, figures and
various data points for
measure management
in accordance with
PDCA/DMAIC

COMPETENCE
25 YEARS OF PROCESS OPTIMIZATION

1

Production processes are highly individual; however, production manager's requirements for executing and reporting these processes are mostly similar.

The top priorities are for the greatest possible transparency, as well as for intelligent and practical ways to manage the overall production process.

Over the years we have worked with medium sized companies up to global enterprises. During these projects we have learned that one decisive success factor is often underestimated:

A Manufacturing Execution System will only deliver its full potential if it fully supports the continuous improvement process and seamlessly integrates all necessary functions.

For this reason, COSMINO offers far more than what one may expect from a typical MES supplier. Our services include a thorough current state analysis of your production as well as helping you define future standards.

You benefit from field-tested process descriptions and check lists based on our vast experience gained across numerous successful projects. As a result, errors are avoided, risks minimized and objectives are achieved more quickly.

CONSULTING
CONCEPTUAL DESIGN, INTRODUCTION, AND SUPPORT

2

Current State Analysis

- ◆ How are your production processes implemented?
- ◆ Which key indicators are already available?
- ◆ What do your current data records look like?
- ◆ How do your planning processes work?

With over 25 years of experience in production and manufacturing consulting, we are in a position to provide an objective analysis of your production processes.

Target State Definition

- ◆ Definition of targets in close collaboration with management and production staff
- ◆ Concepts for efficient entry of reliable production data using handwritten documents or via online data entry
- ◆ Introduction of lean methods, such as definition of required reports, meetings, objectives, etc.
- ◆ Preparation of loss and fault type catalogs

Start-up Support

- ◆ Proactive monitoring and objective investigation of the key metrics generated by Cosmino®
- ◆ Analysis of improvement potentials resulting from the data collected during the introduction phase

A selection of satisfied Cosmino® customers:

IT SERVICES
CUSTOMIZATION, INSTALLA-
TION, AND MAINTENANCE

3

Our goal is to help you automate and improve your processes within the shortest time possible using Cosmino® MES*plus*. For this reason, we provide intensive support in the introduction phase, for example during:

◆ Hardware procurement

◆ Administration of external software solutions, such as databases

◆ Selection of document scanners and scanning options

◆ Connection of your production machine interfaces

◆ Integration of Cosmino® MES*plus* into your IT landscape

We would be more than happy to demonstrate our many capabilities in a pilot project:

◆ Professionalism to the smallest of details

◆ Reliability to the highest degree

◆ Transparent invoicing

◆ In-depth understanding of your requirements and tasks

TRAINING
KNOWLEDGE CREATES
EFFICIENCY

4

As lean and well proven solution, Cosmino® MES*plus* is easy to use.

For this reason, software operation represents only a small part of our training courses. This leaves more time to focus on methodical and practical training.

1. Technical training in software operation

◆ Cosmino® functions and their operation

◆ Fast and reliable data entry

2. Method training for more efficient use of the software

◆ Most suitable application of improvement methods in your own company – e.g. understand best-practice moderating and auditing

◆ Avoiding typical errors – e.g. when filling out data forms

◆ Application of proven methods for the problem solving process

◆ Creating inspection plans

◆ Reporting for various stakeholders

COSMINO®
focused on your efficiency

Brief COSMINO Profile

Since 1988 COSMINO has been focusing on smart improvement processes, effective error prevention, and optimum capacity utilization. In short, we focus on: Maximum Efficiency.

We look forward to demonstrating how Cosmino® MES*plus* supports you in achieving your objectives on a daily basis. Join one of our complementary information events or request a personal presentation.

Please contact us!

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