

ENSURING EFFICIENCY.



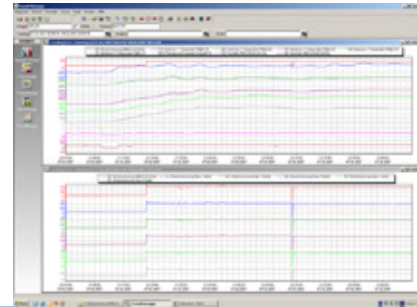
# DAHAMOS

+ EFFICIENT DATA MANAGEMENT & MONITORING



# RELIABLE PRODUCTION DUE TO FAST TRENDING

## CONSIDERABLE SYSTEM BENEFITS FOR ALL USER GROUPS



High performance data acquisition with user-friendly, intuitive handling: With the introduction of DAHMOS (Data Acquisition Handling and Monitoring System) Siempelkamp Machinery and Plants has developed a data base system which achieves this double claim. Process data acquisition, filing, and evaluation is effected by configurable program modules, which ensure adaption flexibility to the plant-specific conditions at a high extent.

The optimized trending of relevant process values recovers critical plant events immediately, and causes and relationships are quickly identified using intelligent analysis tools. So the operating personnel can react promptly.

The short learning curve for setup and operation, targeted data analysis tools, built-in fault detection and reliable process management features translate into convincing advantages and solid business benefits for the user. Investment payback is realized after a short time when extended plant downtimes and the corresponding costs are avoided by quick and detailed problem diagnostics.

### MODULAR SYSTEM STRUCTURE

DAHMOS is a scalable Windows-based system, which can be adapted to suit the operating company's requirements by means of simple configuration, and without the need for additional programming. The system consists of four modules

- + The OPC recorder records up to 2,000 (more than 2,000 depending on network performance and hardware equipment) different process parameters from different controllers of the plant and stores them in a database.
- + In the Configuration Manager is determined which data is to be acquired.
- + The Trend Manager provides comprehensive evaluation and analysis tools for the recorded process data.
- + Data administration and data import and export tasks are executed by means of the Data Manager.

The modules can be installed on every PC as independent programs.



## THE BENEFITS AT A GLANCE

### Targeted process analysis

By using the different recording modes short-term snap shots are possible as well as long-term observations. Data is available for evaluation of causal relationships in the process in order to optimize the product quality and material usage. With the help of the trigger functions data recording can be released depending on user-defined parameter limits. Thus exactly defined plant situations can be captured and analyzed. Via data import and export evaluation is possible also on a remote computer e.g. in the office or in the laboratory.

### Quick commissioning

DAHMOS is a high-quality measuring instrument to quickly derive the correct process settings for new plants during commissioning. The rapid data acquisition reduces set-up time for the control circuit optimization. The commissioning engineer can easily and flexibly select the relevant data points and trigger conditions.

### Reliable process management

DAHMOS offers improved process management because of individual facilities to display all process variables. As a result, critical problems can be detected early on, often always when coming up, and corrected immediately. Rejection rates and less quality can thus be minimized. The system is very easy to operate and learn, ensuring extremely short training times. The insertion of new data points can be executed by all plant personnel with no need of special knowledge as well.

### Targeted support

Recorded data evaluation is not linked to the data acquisition: Files can be exchanged between different departments of the plant user, but also as with the plant supplier via e-mail, or on CD. A special file handling system ensures that data is easily assigned and archived. Now suppliers can carry out evaluations as well and offer targeted support - also via remote data access.

## Easy introduction of the system

The system is scalable (number of data points, software modules) and can flexibly be customized to meet any plant's needs without any additional programming. The OPC interface ensures data acquisition from various controller manufacturers and plant suppliers.

## Flexible data capturing

**Trend mode:** for continuously capturing and saving all process data with recording rates of up to one second

**Event mode:** up to 100 ms\* recording rates for up to 500 values depending on trigger conditions which may be individually set

**OPC analysis mode:** recording rates of 20 ms\* for up to 50 values. Data capture may also be commenced and terminated with different trigger conditions with lead and follow-up times that may also be individually set.

### COMPLETE SYSTEM READY TO USE

The software of DAHMOS is available on CD. If desired DAHMOS will be delivered as complete system:

- + 1 x industrial PC
- + 1 x color monitor, keyboard, mouse
- + 2 x network connection (process network and Windows network)

Licences:

- + 1 x Windows-operating system (Windows 10 Prof. 64-bit OEM)
- + 1 x OPC server (TANI for S7, RSLinx for ControlLogix)

The hard disk contained in the computer is designed for continuous operation (reading and writing).

\* The system is scalable (number of data points, software modules) and can be flexibly adapted to the respective system without additional programming effort. The OPC interface ensures that data from different control and system manufacturers can also be recorded.

### TRAINING AND SUPPORT

The control technology team is at your disposal for training and support in handling DAHMOS. Simply contact us.

### YOUR CONTACT

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