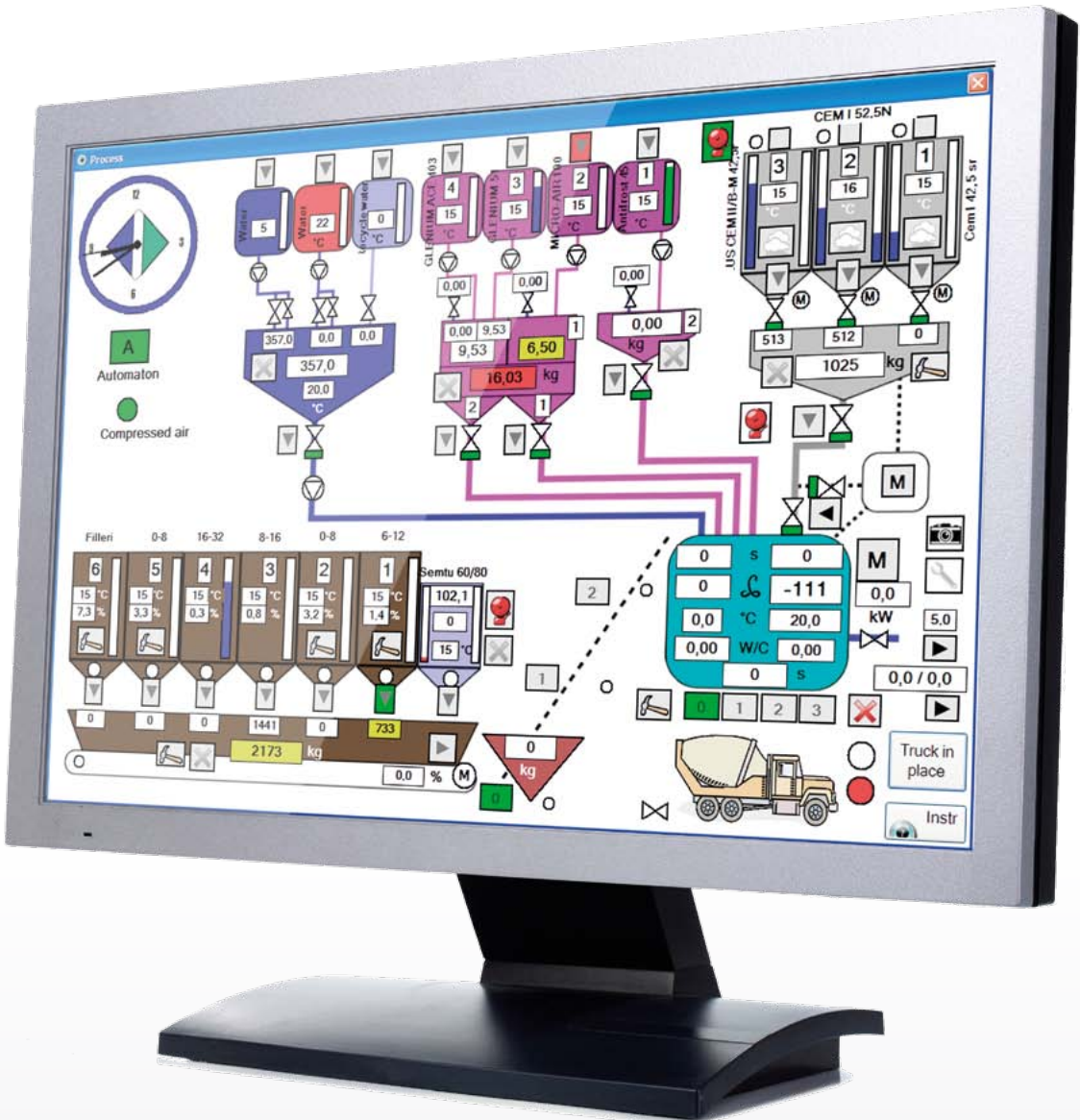


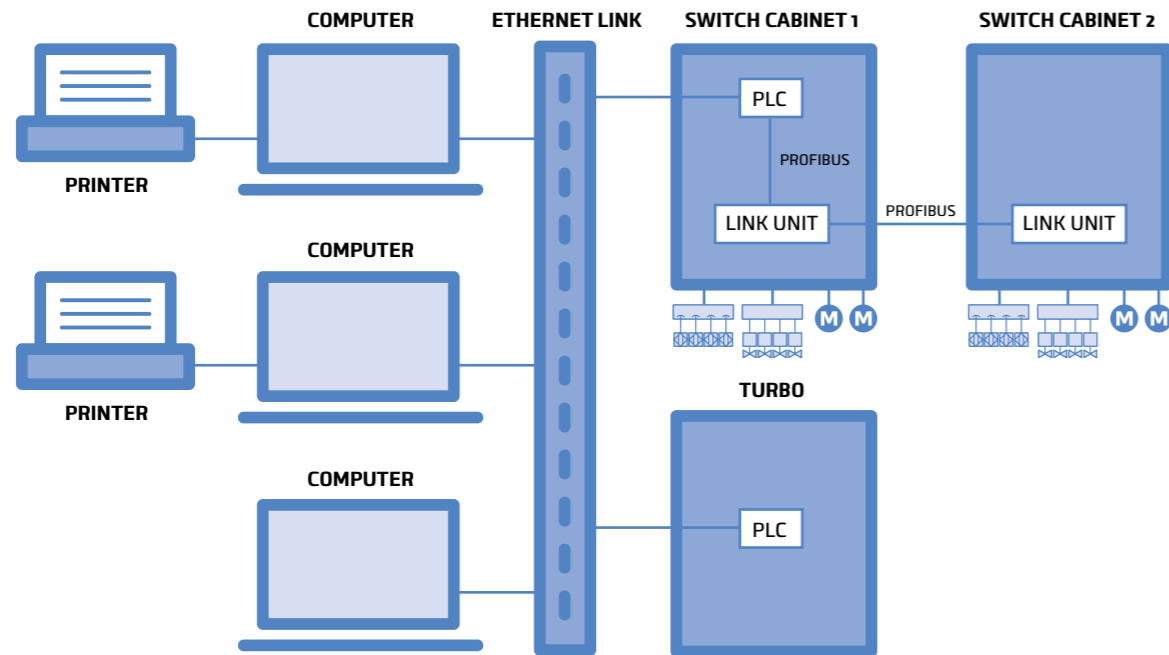
steel-kamet



KAMET® CONTROL PROCESS AUTOMATION

A production control system for concrete mixing plants





KAMET® KEEPS ITS PROMISES. Steel-Kamet Oy guarantees the performance of the Kamet® Control system as detailed in the technical specifications, when operated correctly.

SUPERIOR PROFITS THROUGH AUTOMATION

Kamet® Control production control system for concrete mixing plants is the basis for the profitability of all modern concrete manufacturers. The fully automated system enhances the cost-efficiency and quality of operations by ensuring optimal production conditions at all times.

Kamet® Control enhances reliability and ease of operation throughout the entire production process, from planning to maintenance. The system is equally well suited for small and large production needs. It can be used comprehensively to control production and transportation of concrete, from material and recipe information management to the production and monitoring of concrete mass and recording of related data. The system also produces comprehensive reports on concrete production and material management.

The system is easily modifiable, highly reliable, and tried and tested in demanding conditions. We offer cost-effective system installation and start-up in both new and old facilities.



Kamet® Control system is available in various languages.

GENERAL DESCRIPTION OF THE BASIC FUNCTIONS

PROCESS CONTROL. General management of batching, power levels, functions, ingredients, liquids, temperatures, and concrete mass.

REPORTS. Comprehensive information on a wide range of factors, including batches, total and individual consumption of ingredients, loads, and orders.

BATCHING. Comprehensive management of individual and exact batching, and compensation and reporting of changes in batching. Management of the details of the next batch and changes to automation settings. Controlling the mechanical functions of batching.

ORDERING. Order and customer information management.

SILOS. Managing silo-specific batches, materials, volumes, temperatures, capacities, settings, and surface level and boundary values.

WEIGHERS. Management of weigher results, batching and discharge times, and discharge speeds.

RECIPES. Management of concrete mix composition, type characteristics, ingredients and their amounts, discharge, flexibility, and batch sizes of the masses. Management of recipe files.

CONSISTENCY TABLE. Comprehensive definition and management of flexibility data for various purposes.

MIXERS. For defining batch sizes and managing flexibility/actual mixing power, efficiency ratio, camera door, and starting and stoppage.

LIFTING OF AGGREGATE. Managing the lifting of aggregate, controls, and lifting functions.

SETTINGS. Specifying the making of software and batch backups, water treatment, and waybill numbers and printer.

INFORMATION. Version information of the Kamet®Control and logic software. Managing logic software updates.

AVAILABLE EXTENSIONS

Flexible SQL database makes it easy to integrate the modular Kamet®Control with existing systems, such as the client's financial management or the precast factory's concrete transportation control system. In addition to standard functions, a wide range of other functions can be added to the system based on customer needs, subject to separate contract.

DIVERSE AND FLEXIBLE
Facilitates the integration of the concrete mixing plant with a higher-level production control system. Automatics can be maintained by remote connection.

EXACT AND EASY TO MAINTAIN
The moisture content of the concrete is managed with sensors in the aggregate silos or in the mixer.

EXTENDABLE
A separate parameter window for e.g. Kamet® Turbo thermal energy power unit, which allows for defining the amount of thermal heat produced, the assumed amount of water in the steam, and the purpose for which the steam is to be used.

EFFICIENT PRODUCTION

- Exact production of even-quality concrete
- Production in accordance with standards
- Quick reporting without interrupting production

RELIABLE AND COST-EFFECTIVE PRODUCTION

- Easy start-up
- Updates using remote connection
- Easy batching device configuration

EASY TO ACQUIRE

- Flexible assembly options
- Easy to customize and extend
- Comprehensive training

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The standard system includes:

- a computer
- Windows operating system
- process control logic
- two screens
- A4 laser printer
- Ethernet switch

Interfaces for basic functions

The system is operated on a computer through user-friendly interfaces:

- Process control
- Reporting
- Orders
- Silos
- Batching control
- Weighers
- Recipes
- Consistency table
- Mixers
- Lifting
- Settings
- Language
- Data

Available extensions

Kamet® Control production control system can be modified as necessary.
Customer-specific additional controls are delivered under separate contract.

