



CAMLIN[®] ADC system

Key features

1. System architecture

- The system is based on Microsoft Windows (NT4, 2000) user interface using TCP/IP protocol. Client/Server database system is used; MS-SQL database environment being the basic solution. The environment is open; hence, our customers have the possibility to create their own reports from the data saved in the system. The system's hardware consists of PCs operating in local area network and peripheral equipment connected to them. Such equipment can be e.g. PLC, I/O equipment, bar code readers and mobile device.

2. Data collection

- Data is collected automatically from the machine tools connected to the system. Basic data can be collected with PLC. The more detailed data collection is possible from machine tools, to which it is possible to create a more advanced connection (Ethernet, HSSB or separately defined DNC link). It is also possible to insert data manually. The data collected from machine tools can be e.g.
 - Mains on
 - Automatic job cycle. Name / number of a NC program
 - Failure
 - Pallet change
 - Starting, ending, suspending a job, series etc.
 - Starting and ending preventive maintenance

3. Main features

Machine status

- Machine status 24 hours, 7 days, 30 days, or selected time period. Utilization, availability, MTBF, MDT.
- Real time display shows the status of a selected machine group in real time. Display can be either a system layout or rows.
- Failures in a certain period of time

Production data

- Work pieces manufactured or number of them in a certain time period
- Time needed for a certain series or product:
 - o Automation time
 - o Failure time / NC program, item and tool
 - o Number of failures
 - o Pass through time

Maintenance data

- Failure history
- Wait history
- Reporting of failures and waits
- Service call: SMS / Email

4. Reporting to other systems

- It is possible to bring cell's, machine's etc. work queue from enterprise resource planning system (ERP) to the interface for manual reporting. Starting, ending and the number of manufactured work pieces can in turn be reported back to ERP

More information about Camline[®] ADC –system:

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