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CoMo DataCenter

Type 2829B...

Information is one of the most important commodities in the production routine when it comes to achieving precision, freedom from defects, cost consciousness and quality management.

CoMo DataCenter stores the production data in a database application, which subjects it to statistical analysis and clearly describes the production status. It supplements and supports CoMo Injection in automating the flow of information during production.

- Database
- Statistics
- Reporting
- Curve analysis
- Data export
- Multiple access

Figure 1: CoMo DataCenter interface

Description

CoMo DataCenter contains a database in which the data recorded by CoMo Injection is stored. A convenient interface allows the user to view and analyze this data during production. The entire system uses the command variables of production order, production batch, article number and mold number. The data can be exported to other systems without great expense.The database comes with the free version of MS SQL Server, which is primarily suitable for gaining an introduction to zero-defect production. This is limited to a database size of 4 GB. If the database is to be used without any size restrictions, CoMo DataCenter can be installed and run with the full version of MS SQL Server.

Application

CoMo DataCenter offers the practical possibility of obtaining an overview in a hectic production environment. It enables an equally rapid insight into current production by the production manager, the supervisor taking over a new shift or the quality manager wanting to see the statistics on how production of a key product have been going. The system is designed to save the information produced by CoMo Injection, such as good/bad, maximum/minimum, integral, etc., and provide the user with a clear description, evaluation and conditioning for data export if required.

Technical Data

Volume of Data

CoMo Injection Type 2869B..., key	KB	
parameters only, such as maximum, etc.	per cycle	3,3
key parameters including curve data	kB per cycle	20

Maximum Size of Database

Microsoft SQL Server Express Edition	GB	4
(supplied as standard)		
Microsoft SQL Server		unlimited/
(has to be purchased and installed		hardware-
by the customer)		dependent

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Extraction of Data

The increased necessity of demonstrating to colleagues or the customer process capability and production stability within the framework of the zero-defect strategy forces the user to store production data. As the volume of data for production with several machines can be very high, various compression strategies are adopted depending on the operation. In these circumstances the open CoMo DataCenter database forms an ideal buffer from which data can be retrieved, compressed and transferred to host systems as required.

Supported Operating Systems

Windows XP® Professional SP3 (32 bit)
Windows Vista® (32 bit)
Windows 7® (32 bit, 64 bit)
Windows Server® 2003 (32 bit)
Windows Server® 2008 (32 bit, 64 bit)

Supported Database Server

SQL Server 2005 SP3
SQL Server 2005 Express SP3
SQL Server 2008 SP2
SQL Server 2008 Express SP1

System Requirements for the Server Hardware

CoMo Injection/DataCenter database system is a scalable complete system. This ranges from an individual CoMo Injection with data storage in the DataCenter, to >50 exporting CoMo Injection units.
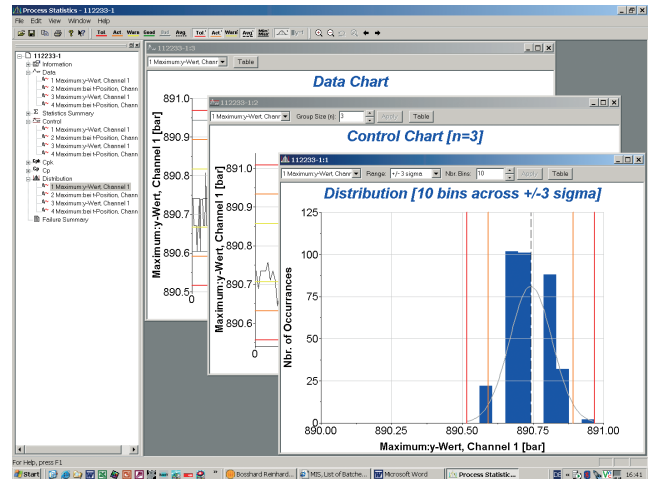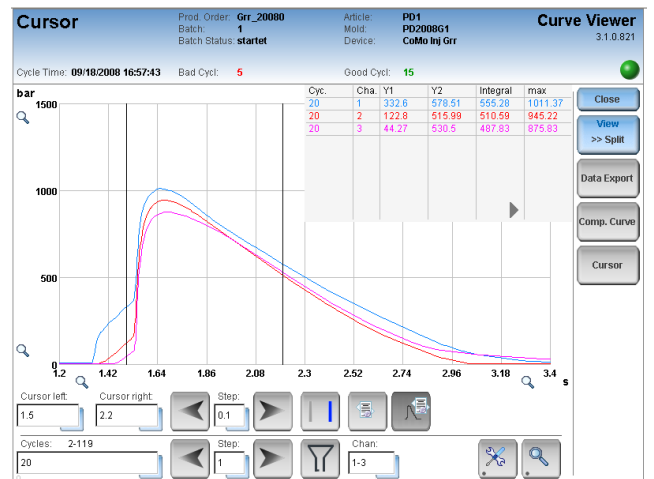

Figure 2: Process statistics

Fig. 3: Curve Viewer

CoMo Injection units	1 ... 10	< ... 30	30 ... 80
CPU	2 GHz	Dual core >2 GHz	Quad core >2,5 GH
RAM	2 GB	4 GB	4 GB
Hard disk	>5 GB, depending on number of cycles/curves	>250 GB, depending on number of cycles/curves	>500 GB, depending on number of cycles/curves
Database server	SQL Server Express Edition Standard Edition	SQL Server Standard Edition	SQL Server Standard Edition

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Ordering Key

Type 2829B ☐

CoMo DataCenter (1 license)	**01**
CoMo DataCenter (10 licenses)	**10**
CoMo DataCenter (20 licenses)	**20**
CoMo DataCenter (50 licenses)	**50**

Per license can be connected one CoMo Injection. The licenses can be used for a new installation as well as a license upgrade for existing installation functions.

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