



DataWorks

SOFTWARE FOR THE MANAGEMENT OF PROJECT DATA

DataWorks is software of the Product Data Management (PDM) type: it manages product data, increases planning productivity, allows management and control of, and access to the data relevant to design processes, planning and production.

Thanks to this safe and controlled activity, DataWorks allows the company to efficiently issue high quality products onto the market.

This method interacts with the whole life cycle of a product and gives the opportunity to have access to the right information in each phase of its development.

High productivity

DataWorks gives a connection between the development activities of the product and those that support its construction.

The functionality of DataWorks revolves around the management of project data (revisions, control of access, management of documentation) allowing the definition of flow for management of revisions, issue and process variations of product data, all this thanks to the greater definition and the better management of correlated files. With DataWorks it is easy to answer questions such as

- Where are the files of the manual of a product?
- When and by whom has a detail been modified?
- Have the assemblies that contain a modified detail been updated?
- How many flanges are contained in that group?
- Where is the support that I have to change used?

DataWorks is the productive and efficient answer to all these questions: it exploits and rationalizes the wealth of information of the company, making it organized and rapidly useable, speeding up the development cycles, thanks to the parallel industrialization processes; moreover it allows a severe control of data and ensures its automatic distribution.

Information: the wealth of the company

With DataWorks information is administered by just one relational data base, this guarantees its integrity and rapid availability. Anyone can work simultaneously on the data, always finding it up-to-date.

At the same time the access to data correlated files takes place under the control of DataWorks, which establishes the form of use, the possibility of overwriting and the simultaneous access by more than one authorized user. In this way documents are immediately usable within the team of work, optimizing time and drastically diminishing the risk of loss of important information.

Management of group use, through administration tools and the centralization of archives, introduces new levels of information security, guaranteeing controlled access to the latest revisions of company project data.

Different applications

DataWorks is an open environment that allows management of information originating from different applications.

It is possible to organize and have easy access to CAD data, word processing files, part program, data sheets and any other documentation data of a project. This product is integrated with:

- Autocad *
- SolidWorks *
- CoCreate ME10 *
- Microsoft Office *
- Acrobat Reader *

Structure of DataWorks

DataWorks has at its disposal a series of functions for the management of technical data: three-dimensional models, drawings, documents and information.

Technical data created by the user is saved in a relational data base, while files connected to a company part number are inserted in one or more file system directory (memorization area) controlled by the application. The functionality can be summed up in:

- Definition and creation of product families
- Dynamic association of specific attributes for each product family
- Management of technical part list data
- Management of coding
- Recording of documents and management of revisions
- Management of B.O.M. using a multilevel icon editorQueries on part numbers, documents, B.O.M. structure and "where used" of part numbers
- Control of access to data
- Release of whole B.O.M. or single part numbers
- Possibility of creation of procedures finalized in the automation of routine work, for example automatic coding



Data flow

The first step towards making the information necessary for management of a product available to DataWorks, is the creation of a part number.

During the coding phase it is possible to use a code search to identify the first one available.

When there is an existing part number in the data base of DataWorks it is possible to:

- use the editor of B.O.M. to create one that puts together the various part number codes
- visualize the correlation between codes and make eventual changes and memorize these variations in the data base
- connect to the part numbers created, a series of documents (three-dimensional model, technical manual, spreadsheet, Part Program) so that it is possible to associate all the technical information concerning it.

DataworksWeb

In the Web version, DataWorks allows the consultation, in real time, of data produced by the technical department from remote places connected to the server via Internet.

This makes possible all activities of interrogation of data bases: research, "where used" and Bill of Material (B.O.M.) structure and local printing of documents connected to part numbers.

DataWorksWeb is an indispensable tool for those who have productive units or offices distant from their central offices

ERP

The ERP procedure of DataWorks, allows the connection between different company sectors by means of automatic data transfer, guaranteeing continuous, safe up-dating of the data.



System Requirement

Client

- Microsoft Windows XP Professional x32 or x64 Edition
- Windows 7 Professional x32 or x64 Edition

Server

- Microsoft Windows Server 2008 R2

Database

Relational databases containing information are based on DBMS applications. Supported databases:

- Microsoft SQL Server 2008 R2
- Oracle

they offer the company extreme flexibility of choice in function of the available resources, presence of other application packages and the nature and dimensions of the data base to be managed.



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