

A blue-tinted background image showing a mechatronic plant with various mechanical components, pipes, and electrical wiring. Overlaid on the image are semi-transparent technical drawings, including a tree structure on the left and various geometric shapes and lines on the right, suggesting a CAD or design environment.

Comos ME Designer – mechatronic plant designing based on the modular system

The **Comos ME Designer** largely facilitates a parallelisation of the development in electrical and mechanical construction. Development times are thereby significantly shortened.

The **Comos ME Designer** is used in the interdisciplinary mechatronic designing of production machines and plants. The function-orientated procedural method is based on a concept developed by the iwv Munich and the requirements in accordance with VDI directive 2206 and facilitates the interdisciplinary communication during the entire project work. All components that are to be projected are deducted from the description of the machine functionality through corresponding program libraries. The standardised delineation of the machine processes in the form of a path-time diagram, a network plan (operation chart) as well as state graphs are also automatically created in the program and are available to everyone involved in the project at all times. The novel machine configurator (**Comos Express**),

included in the **Comos ME Designer** facilitates the complete design of a machine based on the modular system in record time.

Key features to benefit you:

- “ Support of interdisciplinary communication ”
- “ Fewer iteration loops through consistency of the data ”
- “ Interfaces to all current CAD standard systems (Catia V5, Pro/Engineer, etc.) ”
- “ Short project times at simultaneous error prevention ”
- “ Machine designing in record time with the machine configurator ”

Comos ME Designer

Further important features:

“ Significant time saving and error prevention during the development of new machines through planning of all disciplines involved using a common interface and a common database. ”

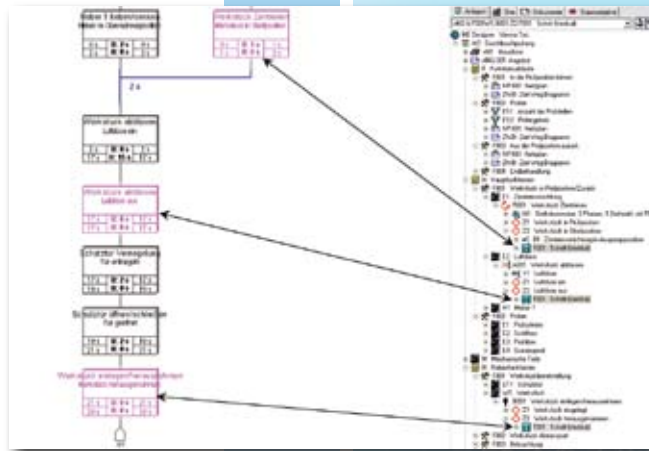
“ Reduction of the iterative design processes through consistent data management during the complete project; data enhancement from the basic concept to the planning of the details. ”

“ Support of interdisciplinary communication through generally understandable descriptions of a machine. ”

“ Interfaces to all current standard systems support the data exchange between mechanical engineering, electrical engineering, and software development. ”

“ Substantial improvement of lead times and enhancement of your competitiveness. ”

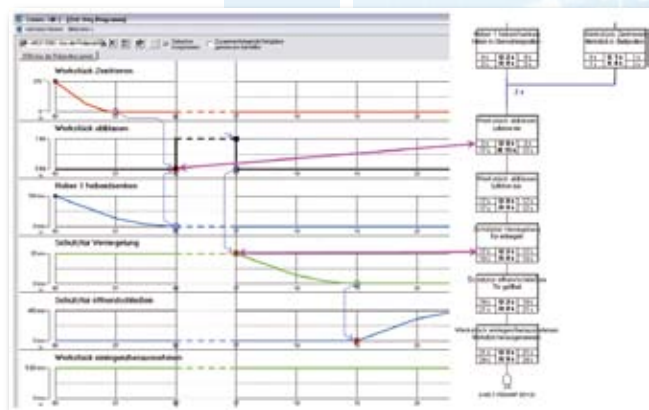
“ Through the integrated machine configurator the machine can be completely configured by a sales employee. All documents relevant to the offer are generated automatically. ”



Comos ME Designer structure plan



Function-oriented planning



Path-time diagram



More information, as well as contact data for our company locations around the world, can be obtained here:

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 Internet: www.comos.com

A Siemens Business

As a world-leading provider of comprehensive Life Cycle Management systems, **Comos Industry Solutions** offers professional software solutions and services. The integrated **Comos** concept is designed to cater for both customer-specific requirements and established industrial processes. The individual modules can be used as either stand-alone software or as a complete software suite. **Comos** is the complete solution for end-to-end basic and detail engineering processes, catering for all industrial plant life-cycle phases. The **Comos** philosophy, products and services have long been trusted by plant designers, operators and contractors.