



MAP E. Prinzing & Söhne GmbH + Co. KG

High precision in constantly changing projects

Machine tools, sheet drawings, machine beds, machine frames for milling, turning and honing machines, boring mills, crankshaft turning lathes as well as grinding machines cover the wide range of the product portfolio from the company founded in 1913 in Gingen an der Fils. Thus it is no wonder that MAP E. Prinzing & Söhne GmbH + Co. KG counts on HiCAD to react flexibly on changing customer needs ranging from series-authentic prototype construction to economical and innovative solutions through to on-schedule serial production. 190 employees – part of which are eight constructors – carry out up to 35 projects each year and i.a. rely upon the elaborate Software by Dortmund's ISD Group when it comes to document administration: the PDM System HELIOS.

When the paths of MAP E. Prinzing & Söhne GmbH+ Co. KG and ISD Group crossed at the CAT fair in Stuttgart in 1998, nobody would have thought of such a long-term and constructive cooperation for more than two centuries as outcome. The ISD Group - with its numerous branch offices, also in Southern Germany – is still in charge when it comes to sophisticated CAD and PDM solutions for the machine and plant engineers from Baden-Württemberg.



MAP
Maschinen- und Anlagenbau Prinzing Gingen

REFERENCE REPORT



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Heinz Kaufmann, Lcontact person for licensing at MAP E. Prinzing & Söhne GmbH + Co. KG

Pro HiCAD: Automatism in sheet module

MAP Prinzing offers modern technology for producing sheet metal and welded structures on a production area larger than 20.000 m². “For MAP, the HiCAD functionality for the sheet metal structures is of greater importance for the day-to-day-business“, claims Heinz Kaufmann, contact person for licensing of the Southern German company. “We capitalize especially on the numerous automatisms and construction aids such as the bending simulations, automatic blank dimensioning and the processing. It is no odds whether semi-finished products, complex assembling of models, thin-walled sheets or sheets with a thickness of 40 mm or more are being processed.“

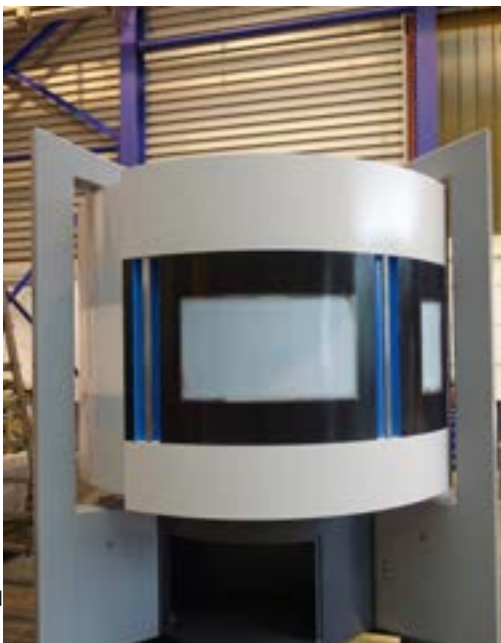
Pro HELiOS: Centralising the flood of data

“In order to exclude incapability, we chose a PDM system after a selection period of over one and a half years which came from the same producer as for HiCAD and thus replaces Pro.File,” the chief designer said. With regard to the implementation of the PDM system HELiOS, the requirements he names are the unproblematic transfer of data from the previously used CAD system and its connection to the machine production control by TOPS. “The situation after introducing HELiOS has been very good. For example, the production planning

and purchasing get the drawings from HELiOS and use them for their own operations without being reliant on the design employees. At the same time, the HELiOS Viewer benefits other departments, such as sales and production, which are able to view 3D CAD data from their work station.”

Pro HELiOS: Controlled access

The degree of standardizing is low at MAP E. Prinzing & Söhne GmbH + Co. KG, the reuse of parts is rarely possible and results from the business of production of individual customer drawings, claims Heinz Kaufmann. Thus, the company derives multiple advantages from the PDM System by Dortmund’s ISD Group: “With the derivation function, new parts can be created out of already existing parts. Even the smallest effects of changes can be retraced with part where-used lists. The version management saves the latest product variant with a modification log and old versions in an archive. The permission management for several users guarantees safety from unauthorized access. The tools for interactive graphic description of parallel and/or sequential processes – workflows – are further expandable according to Heinz Kaufmann: “It would be perfect to initiate production orders by release process and an interface for production machines.”



Pictures: Round guard and machine bed (© MAP)

Conclusion: No easy but rewarding implementation

“Using HELiOS as PDM software reduced time consuming searching for parts, assemblies and any kind of documents. In general, the administration of documents has become clearer, easier and organized“, the chief designer concludes. However, introducing a new PDM or CAD system is also complex and protracted. “With intensive training, complications as well as the duration until productive use were minimized significantly. Here, companies interested in PDM must not make savings at the wrong end.” And thus confide in ISD Group. Because it offers a substantial and inter-coordinated training program in Germany, Austria, Switzerland and Netherlands. If required, also individual trainings inwards are possible.

In brief:

- > MAP E. Prinzing & Söhne GmbH + Co. KG
- > Industry: Mechanical engineering, sheet metal
- > Software: HiCAD, HELiOS, Struktura
- > Services: Engineering, production and development of machine tools, sheet functional parts, machine beds
- > www.map-prinzing.de



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Much more than just CAD and all from one single source!

The ISD Group – one of the leading suppliers of CAD and PDM/PLM solutions – develops innovative software for the complete process chain. With the help of our software products HiCAD and HELiOS, our customers can realize the most demanding engineering tasks throughout all fields of industry. We are not just software developer, but also dealer and service provider with a specialist team for consulting, installation, training, and hotline. We provide you with our complete service portfolio – perfectly harmonized and from one single source. Short ways of communication and direct, uncomplicated contact are a matter of course for us.