Customer Interview: CAD-Viewer

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Family company Albert Koch Maschinen- und Vorrichtungs-bau has stood for quality, reliability, and progress since 1946. Under its "Manufaktur-Nordhessen" brand concept, it continues to develop this tradition in a way that keeps innovation and the future front and center. The Manufaktur-Nordhessen name is synonymous with unparalleled customer service, advanced manufacturing technologies and digitalized assembly processes, highly specialized personnel, customized solutions, and three quarters of a century of experience and knowledge.

As a full-service partner, the company implements customized, pragmatic solutions for its customers in the aerospace, medical technology, automotive, and other high-tech industries using state-of-the-art manufacturing technologies and drawing on a wealth of experience.

https://maschinenbau-koch.de

Interviewee:
Mr. Nils Raue
Work Preparation

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How do you use *hyper*CAD®-S Viewer, and what advantages does it give you?

We use the CAD Viewer mainly for measuring components throughout our manufacturing process. Incidentally, our company is committed to paperless manufacturing. Thanks to the CAD Viewer, we can read out the color codes of the various faces and use them to reliably assign tolerances and surface qualities from our color tables. This means that all the important information is available in digital form.

The *hyper*CAD®-S Viewer is a traditional tool for viewing information from CAD data. In which areas do you use the CAD Viewer, and what is the infrastructure behind it?

Various departments work with the CAD Viewer in our company. Both Work Preparation and Production Control benefit greatly from it. But we also use the CAD Viewer directly in production. The CAD data is accessed via a network environment.

One of your goals was to improve the provision of information. How exactly did *hyper*CAD®-S Viewer help you achieve this?

Component differentiation has been one of the biggest problems in production. Now, using the "Quick print" function, we create a drawing that is automatically labeled with the part's name, and we can easily distinguish the part from others using the default "Four views" setting. This drawing, along with the work instructions, then goes to the plant and helps the teams there. This is where the manufacturing dimensions and other information can be entered, for example.

What file formats do customers normally send you and how satisfied are you with the import quality of the CAD data?

We get models in all different formats – STEP, IGES, JT, and CATIA. CATIA is the main focus here, and the colors can be mapped into *hyper*CAD®-S Viewer.. The "Tooltip" function helps us easily see the parameters associated with a color. For instance, the color code 255, 255, 175 means the color ivory for us. Tolerance: ± 0,02, Ra: 0,4.

How would you sum up *hyper*CAD®-S Viewer in a few words?

The CAD Viewer provides valuable support in production and work preparation. The tooltip makes the viewer very effective because it allows me to get the initial key information without having to measure anything. I also quite often use the analysis functions, for example, to record component dimensions or to analyze difficult areas in terms of their feasibility. So we are very satisfied with OPEN MIND's viewer solution and service. The Product Management team is always willing to listen to suggestions, and so, based on our feedback, a small feature enhancement will be implemented in the next release, which will benefit us and all the other customers.

Visit our website to learn more about what a networked manufacturing environment can do for you.

www.openmind-tech.com/de/cmpgn/cam-vernetzung.html