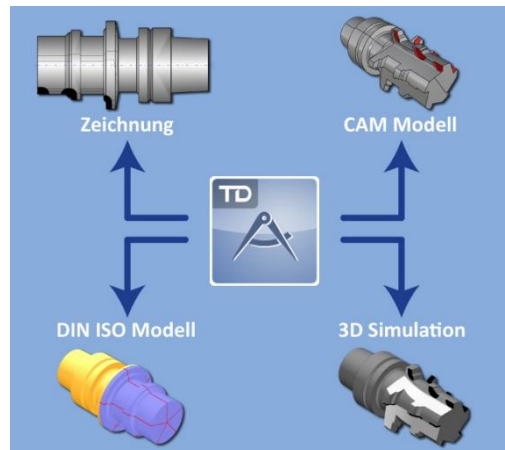


## Seamless Digital Tool Data for Modern Manufacturing



### Digital Tool Data as Basis for Modern Manufacturing

Current CAM systems have an increasingly important task to detect exact collision by increasing complexity of tool parts. Sophisticated production processes require for this purpose exact tool models to perform the verification as real as it gets. The decisive competitive advantage is to be aware of interfering edges for any batch size in order to minimize downtimes. Only if exact tool models are available already beforehand, a system is able to support the planning and execute a contract optimally.

The increased use of special tools reduces processing times due to simultaneous machining and less tool changes. Further enormous savings can be achieved by the availability of tool models. Seamless digital tool data being generated already during the project planning is the key to more savings. With TD Sketcher Suite, a tool model with CUT and NOCUT for NC planning is generated at the push of a button and is immediately available in case of the smallest change without additional efforts.

Already during the offer phase, all data are available for internal as well as external use. As soon as a tool is defined, all the captured data can be channeled for the respective systems. Clear tool drawings contribute to more effective communication between tool users and manufacturers. The verification in CAM is completed with a few mouse clicks and all data are immediately available, also in case of changes on a tool. Digital tool data represent a flexible solution for optimized production.

#### How you can benefit from digital tool data:

- Exact collision detection with real tool geometries
- Productive communication between manufacturers and users
- Time saving due to immediate availability, also in case of changes on a tool.

A software for creating tool models has to be user-friendly not only in order to prevent unnecessary effort but also to react quickly to changes. Only focusing on the actually important tasks, the production time can be improved.

**The implementation of digital tool data is being constantly and consistently developed by ISBE. All ISBE products are already now equipped for generating and using digital tool data.**