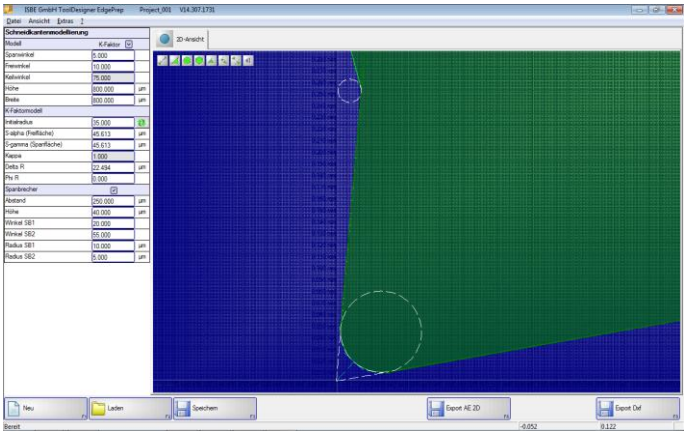
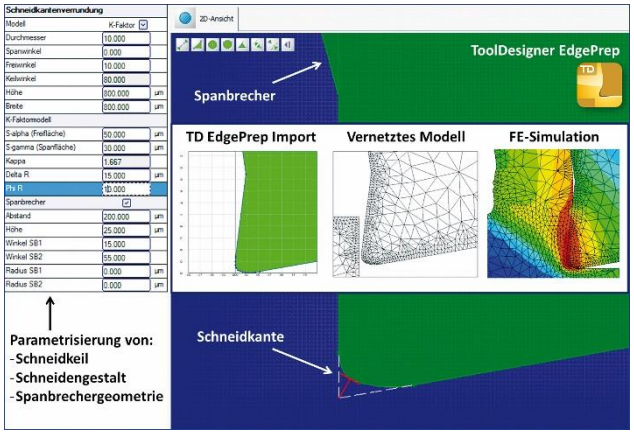
Tool-Designer EdgePrep: Virtual Cutting Edge Preparation Optimizes Machining Processes





Virtual cutting edge preparation with TD EdgePrep optimizes machining processes

TD EdgePrep is a module of the CAD/CAM system ISBE Tool-Designer Suite used for virtual cutting edge preparation. This allows for increasing tool life and optimizing machining rates by flexibly defining different cutting edge designs like hone or T-Land geometries as well as chip breaker geometries. In combination with the FEA simulation software AdvantEdge FEM it is possible to analyze the cutting edge and chip breaker geometries in relation to cutting tool & workpiece materials and process parameters.

With the 2D based TD EdgePrep users benefit from simple handling and systematic parametric design. Virtual analysis reveals information not attainable by cutting trials, helps to save resources, and is promptly available and considerably less expensive than repeated cutting tests. Virtual design of cutting geometries supports the efficient, systematic development of cutting tools and processes and allows for quick optimization.

How you can benefit from usingTD EdgePrep:

- Parametric and flexible definition of cutting edge designs
- Optimized machining rates and increased tool life by adapted cutting edge design
- 2D-based and user-friendly handling of modeling and efficient FE simulation
- Virtual and promptly available analysis instead of expensive cutting trials on the machine

All modules of the CAD/CAM system ISBE Tool-Designer Suite have been specifically developed for the precise modeling of tool geometries. Benefit from optimized cutting geometries for your cutting processes.

More information
on our website

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