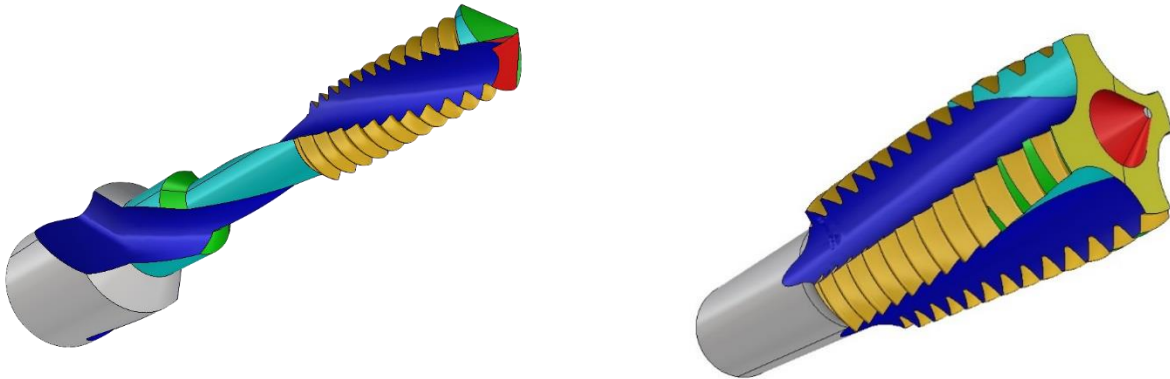


Tool-Designer Thread: Exact Calculation of Threading Profiles



Exact calculation of perfect threading profiles with TD Thread

TD Thread is a module of the CAD/CAM system ISBE Tool-Designer Suite to calculate threading profiles for thread milling cutters and taps. Based on the thread to be manufactured, TD Thread calculates the tool geometries including tool path for thread milling cutters and taps. Main focus for taps, thread milling cutters or other threading tools is the exact calculation of the appropriate grinding wheel profile. As for all ISBE software, interfaces exist for all common tool grinding machines and dressing units.

2D and 3D views in TD Thread visualize threads in an optimal way. The software allows generating 3D surface models of the calculated thread designs, which can be used for production. Additionally, users can export the grinding wheel profile for dressing and simulating the grinding process.

How you can benefit from using Tool-Designer Thread:

- Exact calculation of thread and grinding wheel geometry for production
- High quality threads and low reject levels through compensation of geometric distortions
- Special thread geometries available through DXF import
- Machine interfaces ensure an integrated data flow, which results in efficiency increases while reducing errors
- Export of 3D surface model in STEP format or easy re-use in production saves time-intensive remodeling

All modules of the CAD/CAM system ISBE Tool-Designer Suite have been specifically developed for the precise modeling of tool geometries. Benefit from precisely designed flute geometries and shortened time to market.



More information
on our website