


Software for Wenzel / Hofler CNC Gear Testers

We offer Software, Calibration ,breakdown & AMC services for Wenzel make CNC Gear Measuring Machine

Software	Discretion
	<p>TBevel: to check straight and spiral pinion and gears Bevel gear software to check straight and spiral pinion and gears. Measurement and evaluation:</p> <ul style="list-style-type: none"> • Flank topographie, Profile- or lead line, pitch and runout as well as tooth thickness. • Evaluation according to DIN, AGMA or free Tolerances. • Messurement of tip- and root cone. • Interfaces to Gleason GAGE, Zafe, Kimos, Komet und Oerlikon are available.
	<p>TReverse: Reverse engineering of Spur & Helical gears Inspection and evaluation:</p> <ul style="list-style-type: none"> • Evaluates the profile and/or the lead by scans or by probing discrete points of the gear. • Executes the measuring tasks which are necessary for the evaluation automatically by the function "Create missing tasks"
	<p>TAbd: Face coupling and clutch teeth gear inspection Program for inspection of symmetrical or asymmetrical crown gears with the following achievements</p> <ul style="list-style-type: none"> • Measurement and digitising of 2 top faces in a scanning mode • Calculation of the top surface from the scanning procedure • Calculation of the top width with a defined radius • Calculation of the top deviations to the gear axis • Inspection of relief (flank angle) of the gear (with cylindrical gear program) • Inspection of clutch tooth profiles (with cylindrical gear program) • Output of numerical results, including document heading on the printer • Top surface topography • Top angle measurement • Front angle measurement
	<p>TWorm: Software to check cylindrical worms. Measurement and evaluation of:</p> <ul style="list-style-type: none"> • Profile, lead, pitch and runout (min. 3 threads), as well as tooth thickness. • Evaluation according to DIN Norm or free Tolerances. • ZK-, ZI-, ZA-, ZN- und ZC Profils can be checked
	<p>TWormWheel: Software to check worm wheels. Evaluation of the lead topography according to the master gear method as well as pitch measurement</p>
	<p>T-Hob: Inspection Of HOB cutters Software to check single or multiple thread hobs with straight or left- resp. right-handed direction and different profile forms. The measurement tasks can be evaluated according to DIN 3968, AGMA 1102-A03 or free tolerances incl. protuberance.</p>
	<p>T-Shaver- to inspect Gear saving cutters</p> <ul style="list-style-type: none"> • Parallel shaving cutters • Plunge shaving cutters • Diagonal shaving cutters
	<p>T-Cut: To Inspect of Gear Shaping Cutter Automatic inspection of straight and helical shaping cutters with conical envelope and step grindings. Windows based input dialog</p>
	<p>TShaft: Software to measure and evaluate form and position on rotational parts. Diameter, length, roundness, flatness, angularity, position and many others can be checked. Scanning of unknown contours with evaluation is also possible.</p>
	<p>TSpline: Spline shafts and spline bore hubs with straight flanks as well as serrated toothing (e.g. ISO 14 / DIN / ISO 5472 or DIN / ISO 6413 etc.) Measuring possibilities with TSpline software:</p> <ul style="list-style-type: none"> -Lead inspection -Pitch inspection -Runout inspection -Profile inspection
	<p>T-Root: Software to scan and evaluate a gear root radius and grinding steps.</p> <ul style="list-style-type: none"> • A segment of the gear will be scanned. • The root fillet radius in respect of the helix angle can be evaluated. • Grinding steps can also be evaluated
	<p>T-Cam: To Inspect of Camshafts</p> <ul style="list-style-type: none"> • The measurement is carried out by a ball stylus • Calculation on other probe shapes optional • Reading-in of the nominal contour as ASCII file (optional with TDatacon) • Measurement of the actual contour with graphical display of the actual/required values • Display of the curves as a linear plot