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| Single flank inspection	Double flank inspection	3D inspection	Gearbox inspection

Description of measuring application for GMS 32 machine using double flank rolling method

- Evaluation according to DIN, ISO, AGMA, BIS Standards as well as to numerical tolerances
- Following deviations can be measured:

F_i'' **– Total composite error**
f_i'' **– Tooth to tooth error**
F_r'' **– Average value of radial run-out**
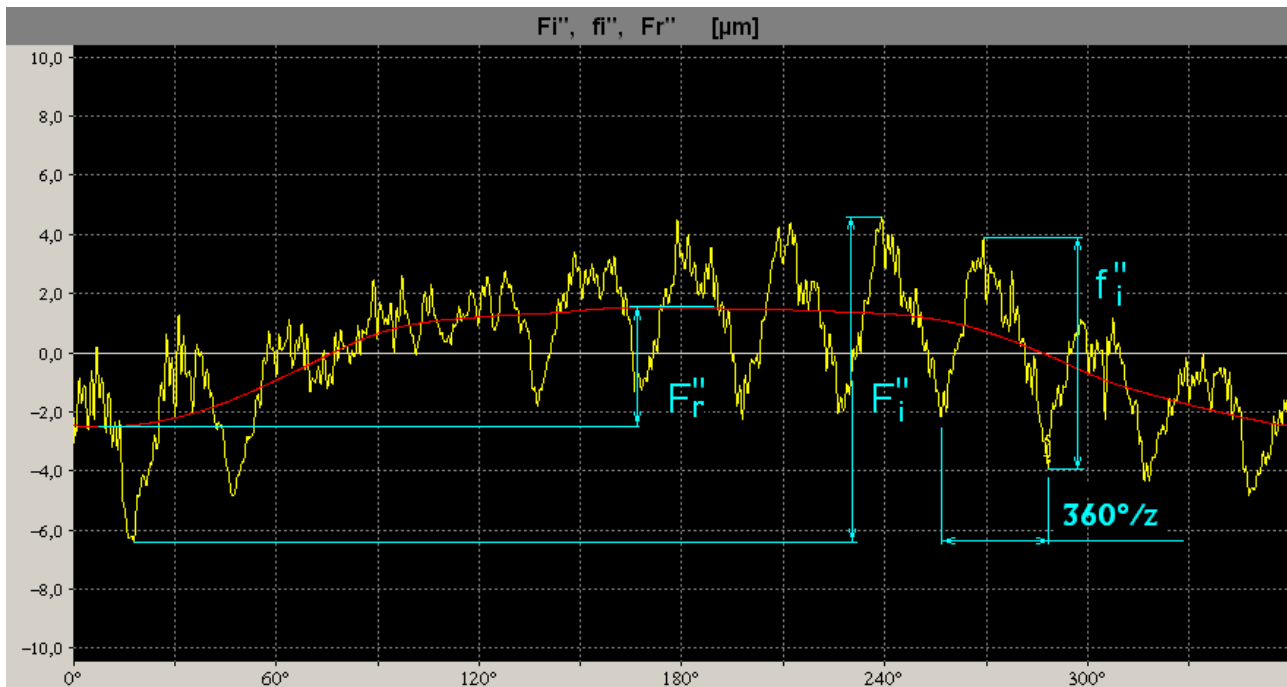
- Double flank deviations as well as acceleration diagram are measured
- The application includes a module for FFT analysis (important module for searching of causes
- Diagram of gear mesh during one or more pitches
- Location of tooth nicks
- One or more revolutions measurement, segment measurement
- Dialog-based application
- Saving of all measured data, incl. measuring reports (capacity almost unlimited)
- Every measurement can be saved automatically (optional)
- Multi-language application (standard: CZE, GER, ENG, FRA, ITA, SPA)
- Company logo on all print out materials
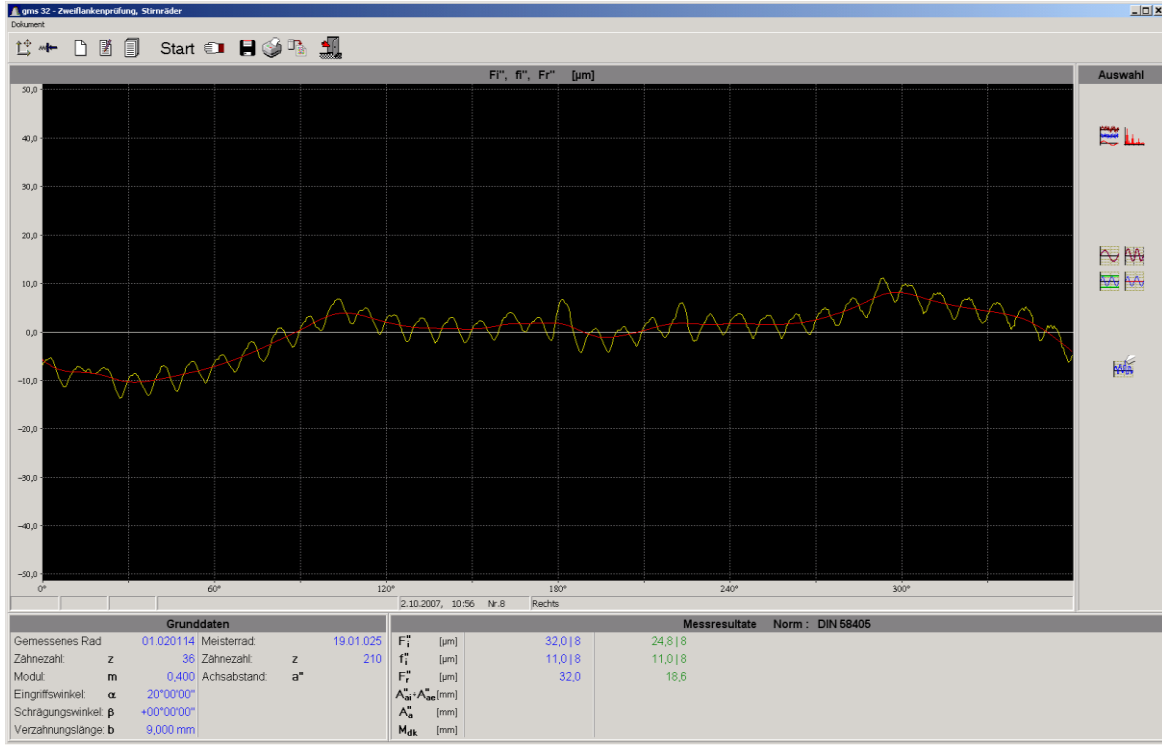- Measuring reports can be saved in PDF format
- Backup of measured data

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Figure 1- Example of measuring diagram - all is OK
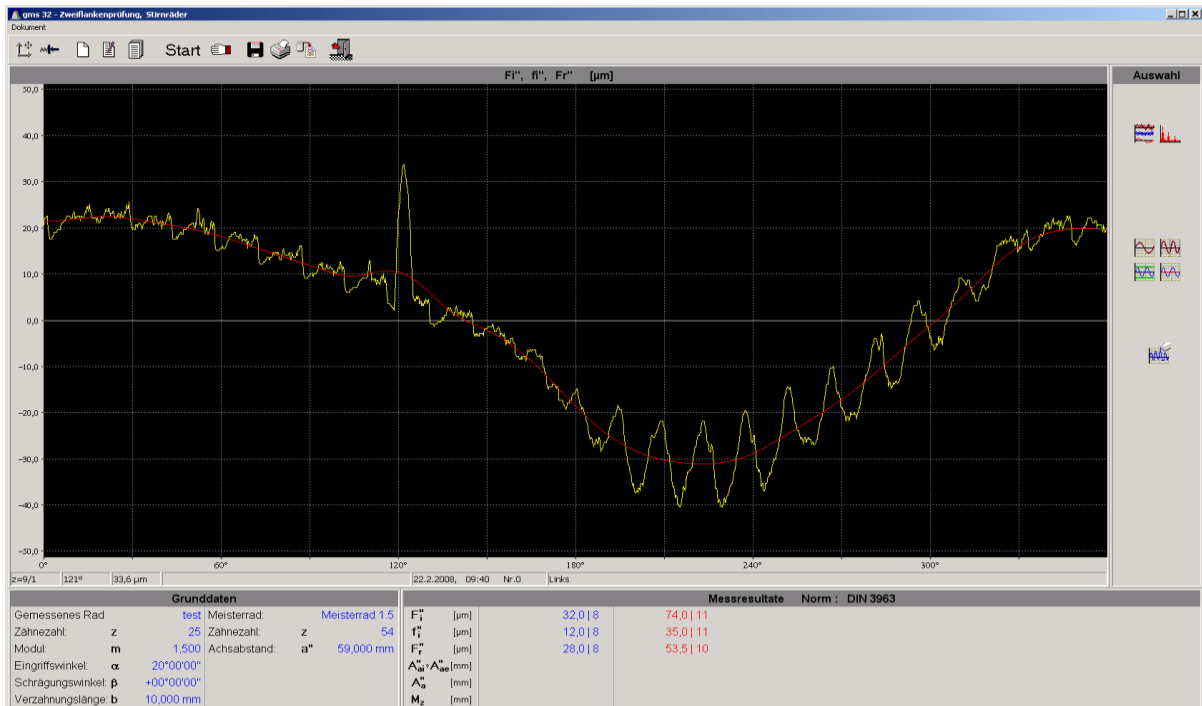
Figure 2- Example of measuring diagram - gear with radial run-out, one tooth is damaged

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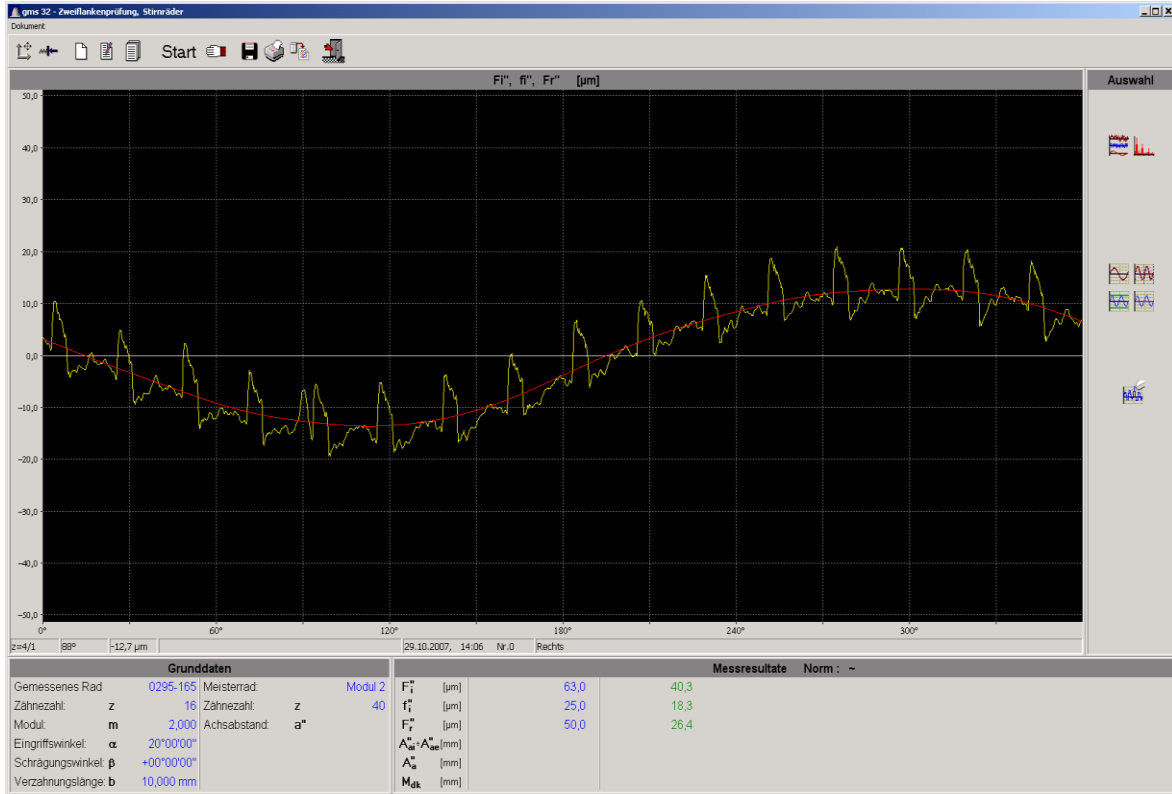*Figure 3- Example diagram of a gear with too short mesh duration*
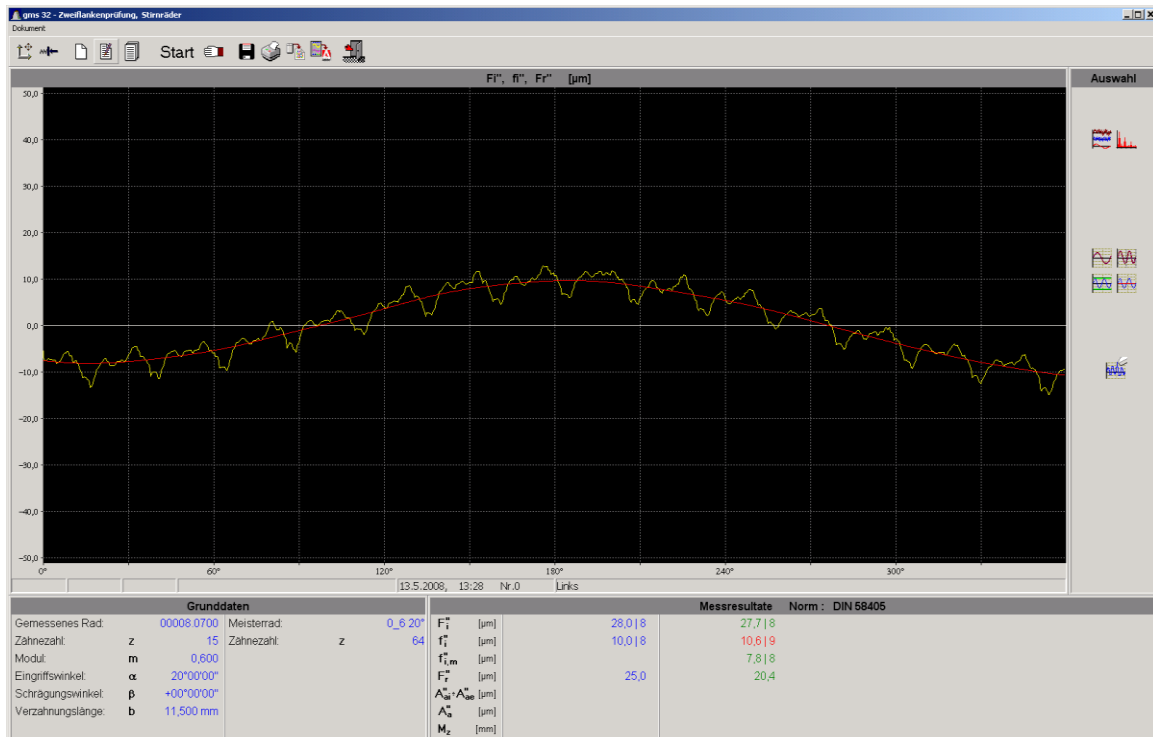
Figure 4 - Example diagram of a gear where are some surface unevenness

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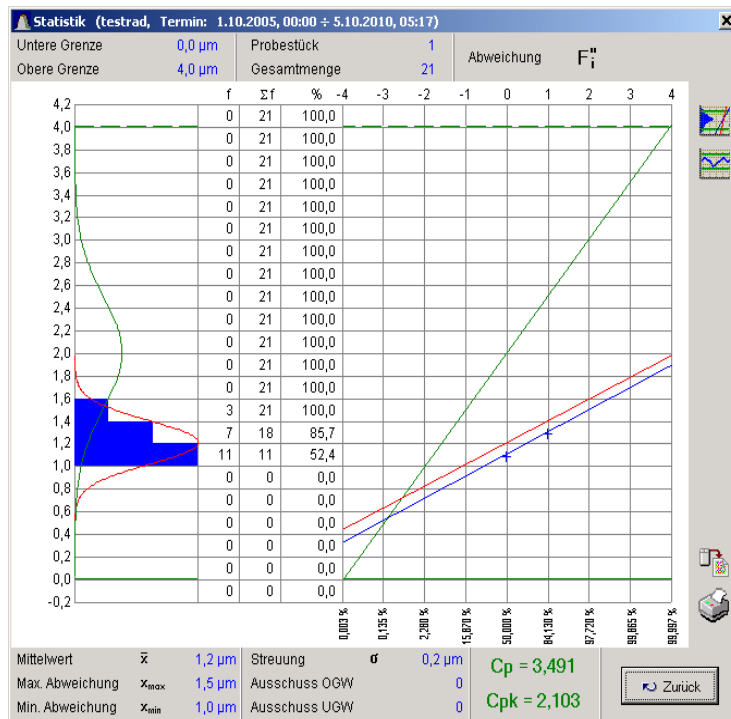*Figure 5- Example diagram of a gear with tooth backlash*

Figure 6- Example of statistical measurement results evaluation