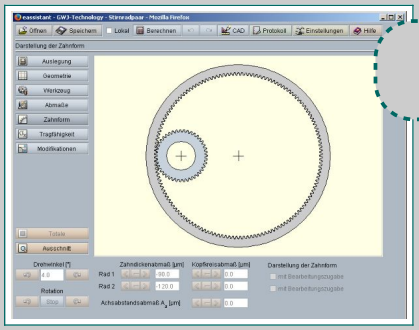
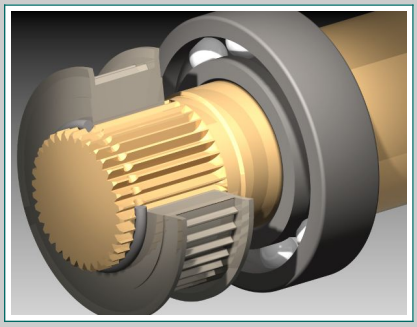
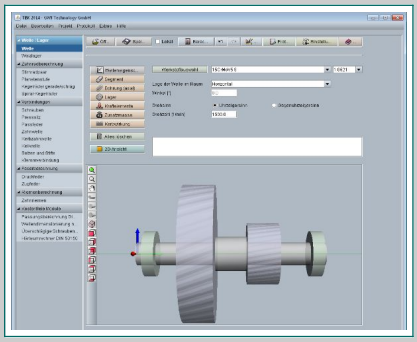
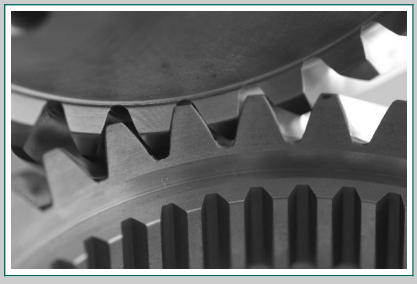
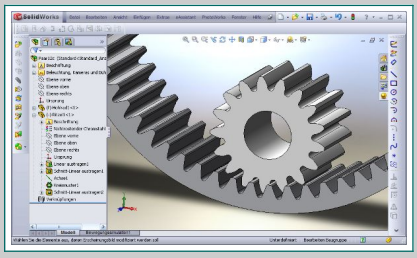










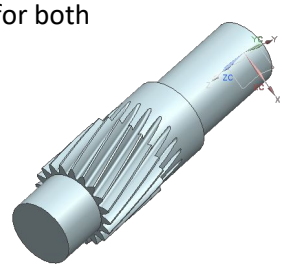
Virtual Workshop Offerings 2026

Benefit from the expertise of our experienced engineers in the fields of engineering and calculation software development. Our seminars are conducted by proven specialists who combine theory and practical application in the best possible way. We are particularly pleased to have Dipl.-Ing. Gunther Weser as a member of our training team. With more than 25 years of practical experience, he is one of the experienced specialists in the field of gear technology and shares his knowledge as a lecturer at various universities, including TU Braunschweig in cooperation with the Institute of Machine Design.

Our seminars take place online without compromising on practical relevance. Each participant has the opportunity to perform exercises directly on their own PC and learn how to use the calculation tools step by step. This allows you to enhance your application skills and use the software more efficiently in your daily work.

Take the opportunity to discuss your individual questions directly with our experts and benefit from valuable advice, tips and tricks for finding solutions quickly and effectively.

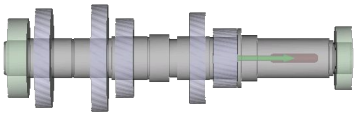
All seminars use the software tools eAssistant, TBK, SystemManager and GearEngineer. No prior knowledge of these programs is required. Our seminars are designed to provide maximum benefit for both beginners and experienced users.



Virtual Workshops

1. Basics, Design & Optimization of Cylindrical Gears

Discover the fundamentals of spur gear technology in our seminar “Cylindrical Gears”. It provides sound theoretical knowledge, an overview of the most important technical terms and definitions, and valuable insights into the practical design and optimization of spur gear toothings. Practical tips and tricks support designers in the targeted design and optimization of spur gear toothings. Participants gain comprehensive knowledge for successful application in mechanical design. The seminar is aimed at beginners as well as experienced engineers, designers and technicians who want to expand their expertise or refresh their fundamental knowledge.



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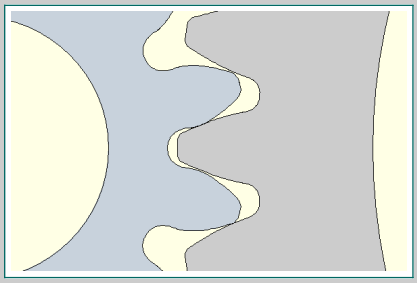
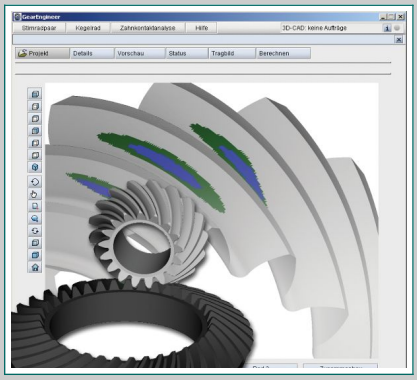
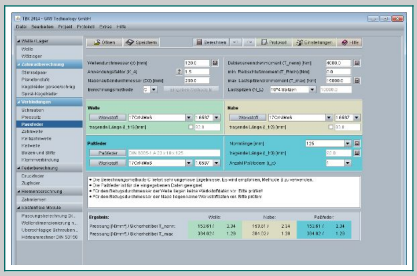
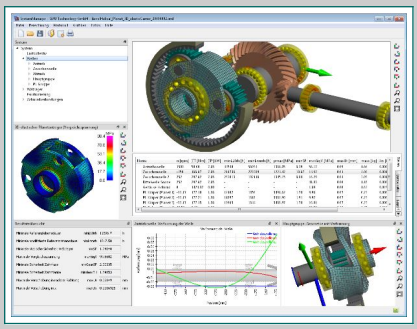








2. Bevel Gears

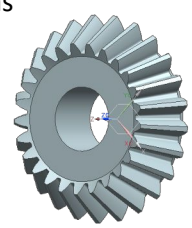
Deepen your knowledge of bevel gear technology and learn about the most important fundamentals and special features in our seminar “Bevel Gears”. Gain comprehensive insights into different types of bevel gears, modern manufacturing processes, and the essential principles for the successful design and application of bevel gear toothings. A special focus is placed on spiral bevel gears, which are explained in detail using Klingelnberg Zyklo-Palloid® bevel gears as an example. The seminar provides valuable expert knowledge for beginners as well as experienced engineers, designers and technicians.

3. SystemManager

In this practice-oriented seminar, you will learn how to use the SystemManager from the ground up. It provides the ideal introduction to the software, covering the basic operation step by step while giving a comprehensive overview of its wide range of functions and applications. Building on the theoretical foundations, you will deepen your knowledge through numerous practical exercises and application examples. This enables you to gain confidence in using the SystemManager and to apply its functions efficiently in your daily work. The seminar is aimed at beginners as well as experienced engineers, designers and technicians who want to use the SystemManager safely and effectively.

4. Shaft-Hub Connections

In this seminar, you will learn about the design, verification and optimization of shaft-hub connections using the eAssistant/TBK software. Topics include press fits, keyed connections, splined shafts and clamping connections. In addition to the theoretical fundamentals, participants receive practical guidance on software operation as well as valuable tips and tricks for the efficient use of the software. The seminar is aimed at beginners as well as experienced engineers, designers and technicians.



5. Shafts and Bearings

This seminar demonstrates how shafts and bearings can be efficiently designed and calculated using eAssistant and TBK. You will learn about the general settings as well as the configuration and calculation options of the software. The functions are explained clearly using practical examples and applied directly in hands-on exercises. No prior knowledge of eAssistant or TBK is required. The seminar is aimed at beginners as well as experienced engineers, designers and technicians.

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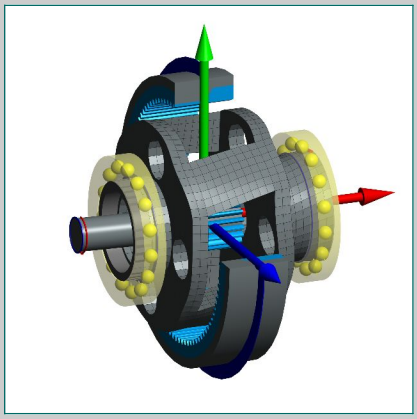
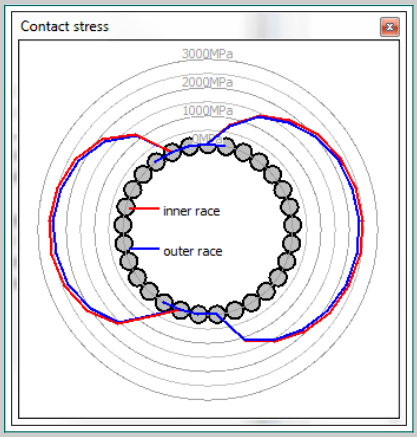
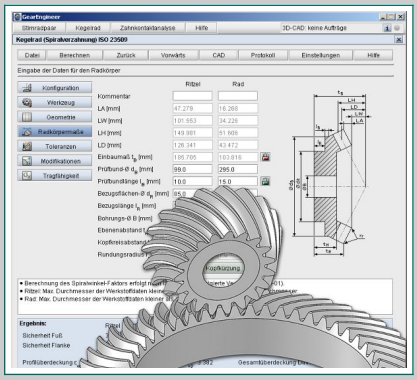






6. Bolted Joints

This seminar provides comprehensive knowledge of screw calculation according to VDI 2230. Starting with the fundamentals of screw technology, you will receive a systematic introduction to VDI 2230 and deepen your knowledge through extensive practical and exercise examples. The software tools eAssistant and TBK are used for the calculations, allowing you to directly apply the theoretical concepts in practice. The seminar is aimed at beginners as well as experienced engineers, designers and technicians.

General Information

We combine the advantages of online training with the benefits of a traditional classroom course. Trainers and participants are connected via video conference and interact live in the virtual training room. This provides an interactive learning environment with direct communication and personal support.

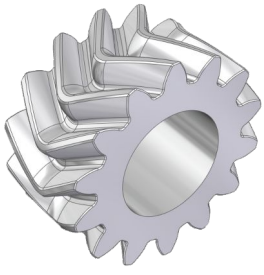
The seminars are divided into two or three sessions of 2 hours each (exception: SystemManager with 2.5 hours) and take place from 09:30 to 12:00 or from 10:00 to 12:00.

The participation fee is per attendee and subject to VAT. It includes comprehensive seminar documentation as well as a training certificate.

In addition to providing solid theoretical knowledge, we place great emphasis on practical application. Using concrete examples and exercises, we demonstrate proven approaches, strategies, and methods for design and optimization, enabling you to apply your newly acquired knowledge directly in your daily work.

Looking for a seminar on a specific topic? We are happy to create an individual training concept tailored to your requirements. You choose the content and date, and we develop a customized seminar perfectly aligned with your needs and tasks.

Selected seminars are also available in English. Please feel free to contact us.



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