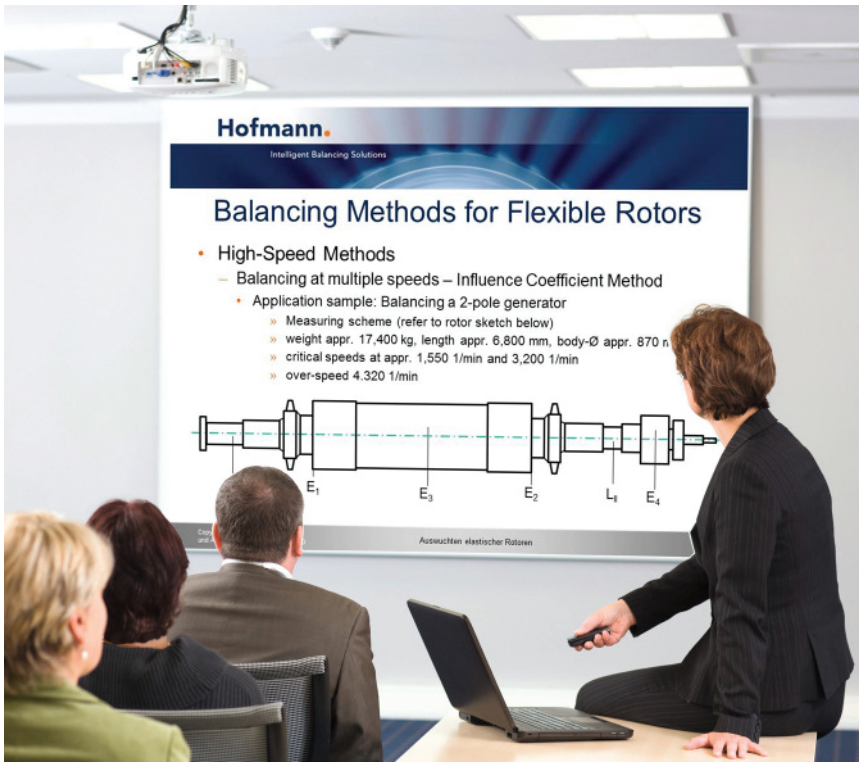
Hofmann.
Intelligent Balancing Solutions

Balancing Seminar

Balancing of flexible rotors



Benefits

- Learning systematic procedures applicable to practice.
- Direct use of what has been learned.
- Opportunity to exchange experiences with other specialists.
- Full concentration on the subject detached from daily work.

Target Groups

- Specialists from manufacturing and field service, who balance flexible rotors with high-speed balancing installations or at site.
- Design engineers, who intend to consider the aspects of balancing already during the design of flexible rotors.

Description

Flexible rotors, such as rotors of turbines or turbo-generators, can almost exclusively be found in high-valued machines. As a result, the balancing of flexible rotors has a very high technical and economic importance.

The Hofmann seminar "Balancing of flexible Rotors" concerns specialists from the manufacturing and service fields, who are required to balance flexible rotors, and design and development specialists, who intend to consider the aspects of flexible rotor balancing already during the design phase.

Through the course of the seminar, the fundamentals of the dynamics of flexible rotors will be examined. Different state-of-the-art balancing methods will be presented, and their applicability will be discussed.

Then it will be demonstrated how to evaluate practical balancing tolerances for flexible rotors, and how to check them. Finally, the technology of high-speed balancing installations, where flexible rotors are being balanced in practice, will be presented.

The theoretical content of the seminar will be further expanded by exercises with a virtual and a real flexible rotor.

Attendees receive a complete folder, containing the printed seminar documents, and a confirmation of participation.

During the seminar, there will be sufficient time available to discuss practical balancing issues. In the course of an evening event, there will also be the opportunity to hold discussions with specialists from other companies.

Testing of balancing methods with flexible model rotor.

Seminar content

Characteristics of flexible rotors	
Dynamics of flexible rotors	
Unbalances of flexible rotors	
Balancing methods	
• Low-speed practices	
• High-speed practices	
- Modal techniques	
- Influence coefficient method	
Balancing tolerances for flexible rotors	
Technology of high-speed balancing installations	
Literature survey	
Duration of balancing seminar	2 days

Scope of service

- Presentation of the seminar by a Hofmann balancing expert
- Folder with printed seminar documentation
- Confirmation of participation
- Refreshments and lunch sandwiches during the seminar
- Invitation to an after-work talk, including dinner

All information without obligation, subject to change without notice!