# Rotor assembly - the Heartbeat of steam Turbine Manufacturing

Customer Event Steam Turbine and Generators 2023



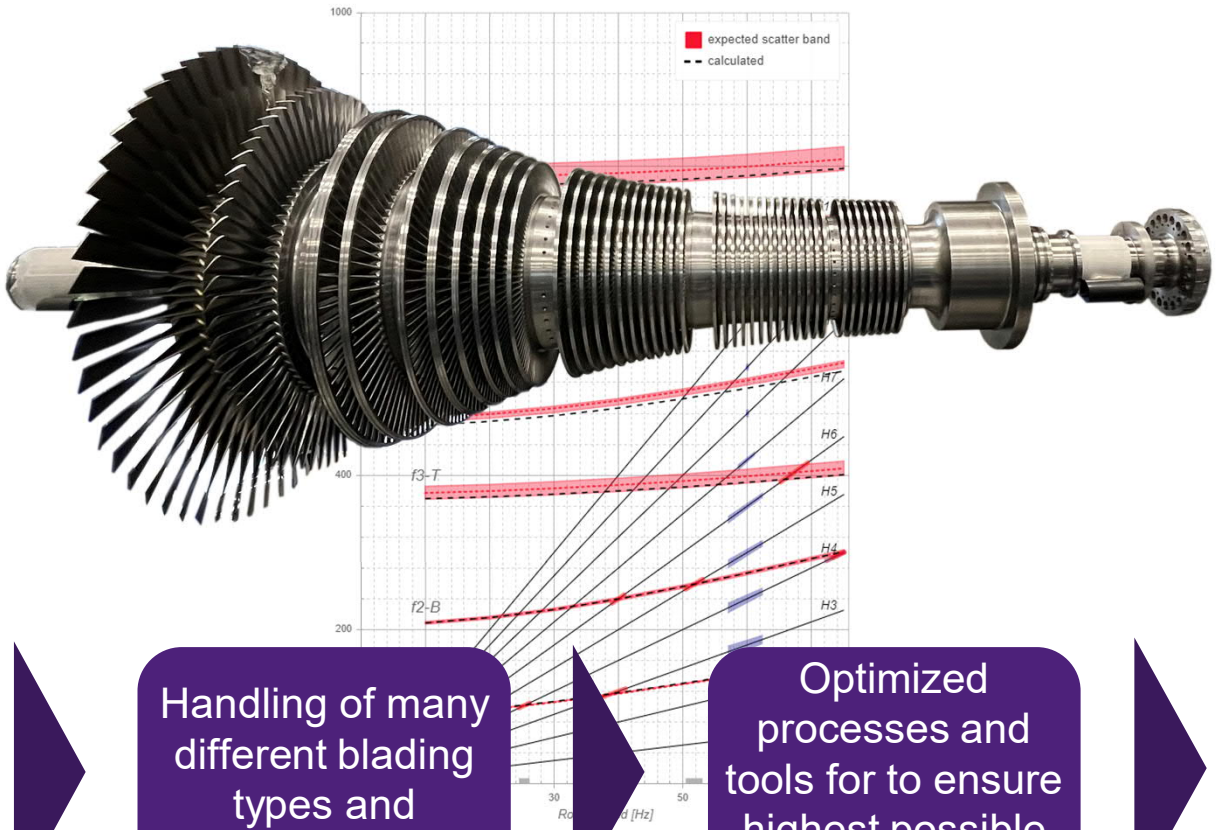
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# Rotor Assembly - The heartbeat of steam turbine manufacturing

## Our strong competencies

- Rotors for STG-Network
- Service rotors
- New business rotors
- Spare rotors
- Rotor repairs
- On site LP blade replacements




Handling of many different blading types and technologies

Optimized processes and tools for to ensure highest possible quality

Ensure quality, turbine performance and long-term stability under a high number of different operating modes


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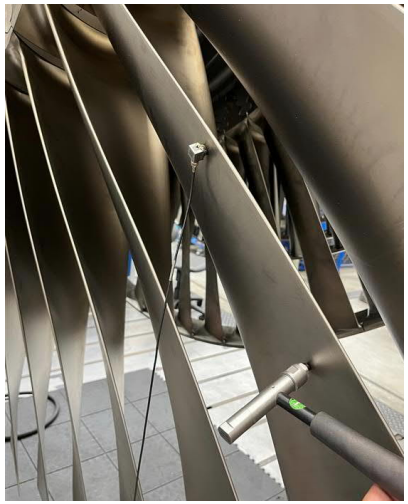
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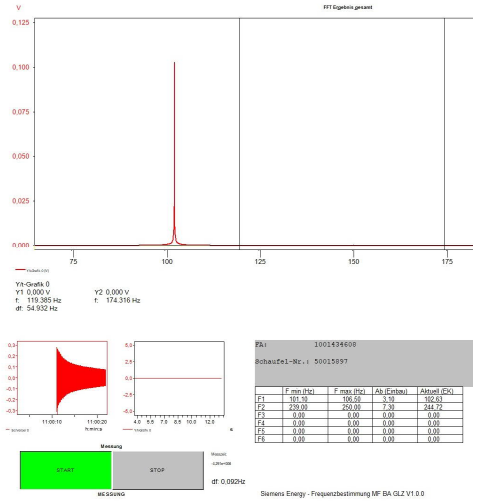
## Example – Frequency measuring



100% frequency measurement of blades **before** assembly



100% frequency measurement of blades after assembly



Compare and check digital measured values

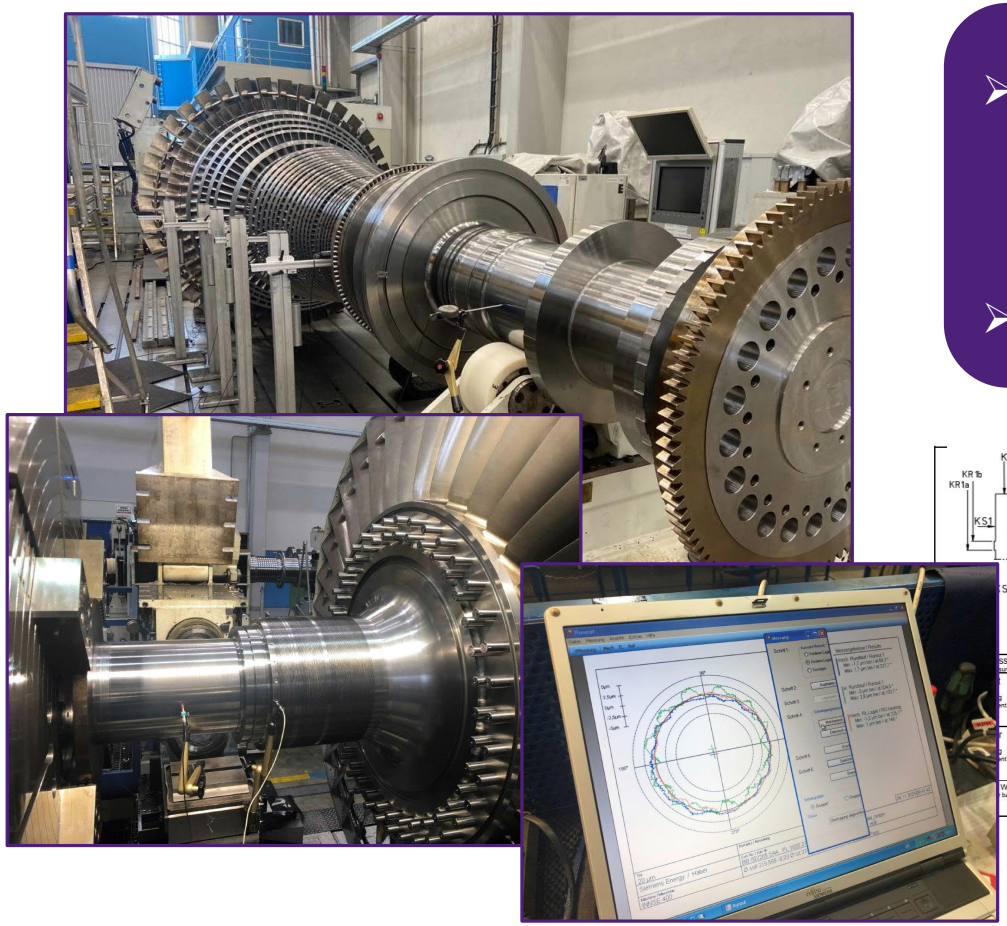
Long term stability by avoiding frequency interferences


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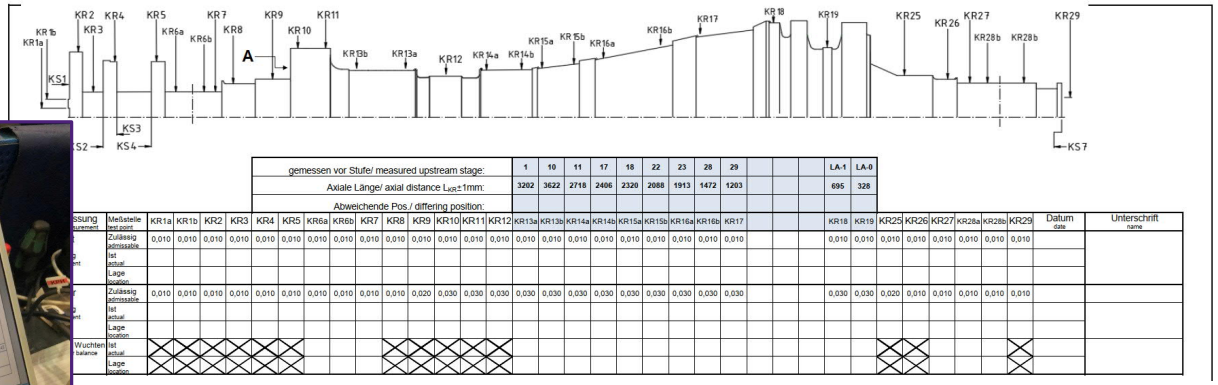
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## Example – Runout measuring



- Ensure optimized runout values of 30µm mechanical and up to 6µm electrical by constant runout checks during blading process to avoid prestress in bladed rotor
- Reach balancing results up to API 612




| gemessen vor Stufe/ measured upstream stage: | | |

# Key Take Away – Location Goerlitz

## Your quality oriented location

**With a well-trained team and the most modern technology, we ensure highest quality requirements in the manufacturing of industrial steam turbine rotors**



## Your Rotor-competence-center

**Our experience as a leading manufacturing site in new unit business and service for industrial steam turbine rotors in a global manufacturing network, ensures quality and performance at the highest level**

## Your success is our promise

**Highest quality standards and top performance of our industrial steam turbine rotors ensures the success of our customers**


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Contact

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