

Early detection instead of downtime



Maximum plant availability through intelligent sensor solutions

Unplanned downtime of industrial fans is a high risk: even short downtimes can cause considerable costs and jeopardize productivity. That is why high plant availability is crucial – it is the only way to increase efficiency and reduce costs.

Traditional maintenance usually comes too late: many defects in bearings, impellers, or motors remain undetected until the system fails. Time-consuming manual inspections and outdated measurement methods often only cover certain areas. This is precisely where dangerous gaps arise, leading to unexpected production downtime.

With intelligent sensor technology and predictive maintenance, you can lay the foundation for trouble-free, economical operation without any surprises.

With our modular monitoring system, all important condition variables can be retrofitted intelligently and flexibly – from bearing temperature, vibration, and wear to lubricant condition and speed. This allows you to detect deviations early on, respond in a targeted manner, and ensure the trouble-free operation of your plant in the long term and for the future.

Your advantages at a glance

Maximum system availability:

Early detection of defects prevents unplanned downtime and secures your production.

Lower maintenance costs:

Maintenance based on actual needs replaces expensive emergency repairs.

Longer service life:

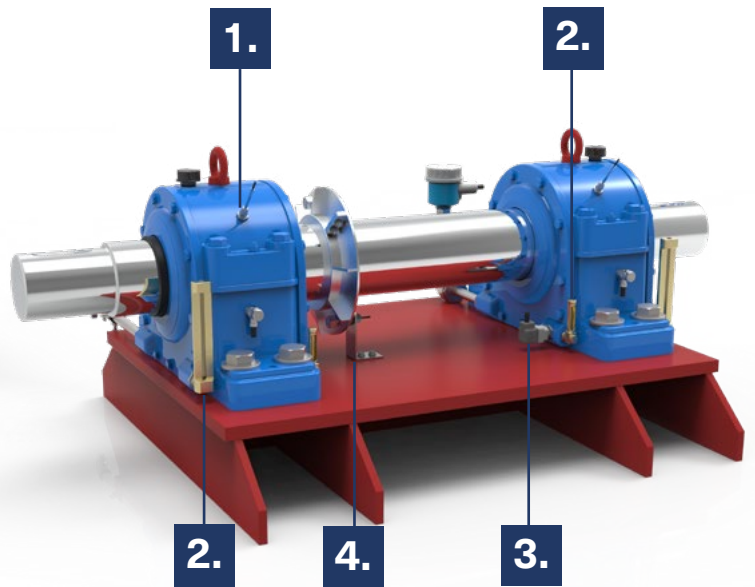
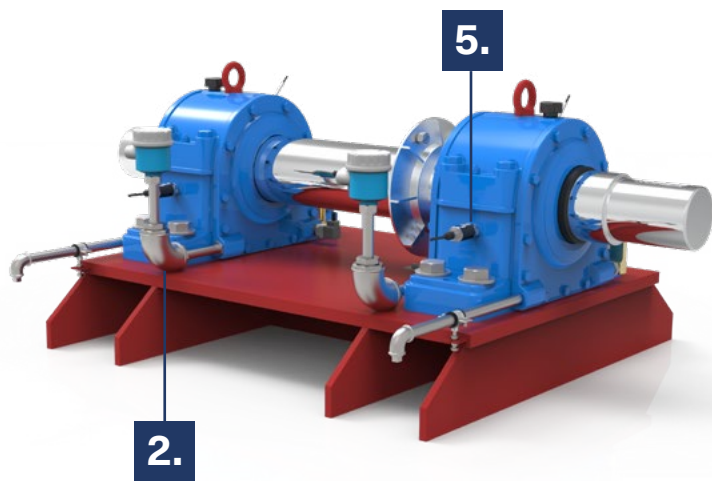
Continuous monitoring protects bearings and components – your fans last longer.

Flexible retrofitting:

Even existing systems can be modernized cost-effectively – without new construction and with minimal downtime.

Comprehensive solutions:

Customized sensor technology and intelligent evaluation provide monitoring solutions tailored to your requirements.



Our product range

1. Bearing temperature monitoring

Temperature changes are an early indicator of problems such as friction, lack of lubrication, or incipient bearing failure. Precise measurement technology is used to detect these developments at an early stage, before serious damage occurs.

2. Monitoring of lubricant temperature and level

The condition of the lubricant is particularly important for oil bearings. Temperature and level are continuously monitored—two critical parameters for the reliable functioning of oil-lubricated bearings.

3. Wear monitoring on bearings

Bearing damage due to abrasion or contamination is one of the most common causes of failure. Early detection of ferritic particles in the lubricant enables precise condition diagnosis and timely detection of incipient wear.

4. Speed monitoring

Deviations from the target speed are often precursors to mechanical faults. Non-contact sensors detect standstill, slip, or overload in real time – for reliable operation.

5. Bearing vibration control

Imbalances, misalignments, or incipient damage cause characteristic vibrations that are transmitted via the bearing housing. Meaningful characteristic values are provided in accordance with DIN ISO 10816 and allow a well-founded assessment of the bearing condition.

Are you familiar with our active balancing system?



Get in touch with us now

Let us work together to identify the optimization potential of your plant. Our experts will support you in the selection, planning, and implementation processes, tailored to your individual requirements. Make your technology fit for the future now.

- ☒ Customised industrial fans
- ☒ Expert advice
- ☒ Reliable spare-parts supply
- ☒ Proactive maintenance planning
- ☒ Fast repairs
- ☒ Specific retrofit and modernisation activities



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