



Condition Monitoring.

# Predictive Maintenance. Drive Optimization.

## Virtual Lifetime.

The feature for Predictive Maintenance of your geared motors. For a long, efficient service life!

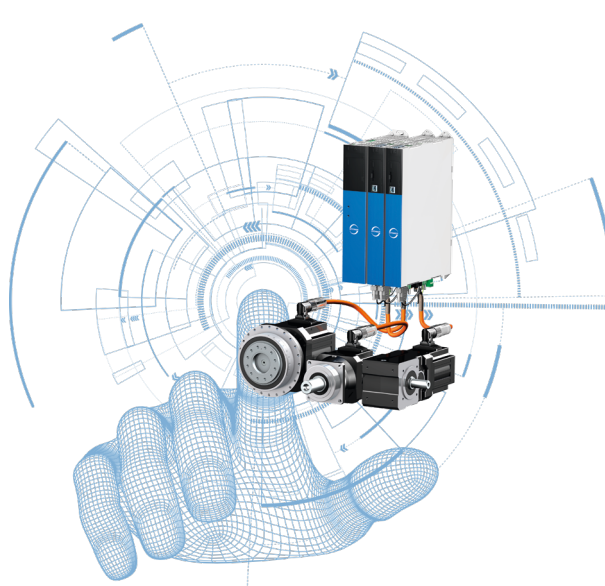
- Monitor the geared motors of the drive system.
- Calculate the service life using a model-based analysis method.
- Detect the actual load situation of the system.
- Increase quality and profitability.

## Predictive Maintenance in the system.

- For all STÖBER geared motors in combination with 6th generation drive controllers.
- Simple plug and play.
- Straightforward handling without complex analysis.
- Act efficiently instead of interpreting.

## Available worldwide.

STÖBER is present in over 40 countries worldwide with 12 subsidiaries and 80 service partners.





## CONDITION MONITORING

### Precisely detect drive conditions.

- Software and encoder-based, without external sensors.
- Without additional wiring or additional license-based software.
- Without data preparation after the fact.



## PREDICTIVE MAINTENANCE

### Maintain your system proactively.

- Easy handling without expert know-how.
- Act efficiently instead of interpreting.
- Minimize downtimes and increase productivity.

### Model-based approach.

- Actual values: measurement of speed, torque, temperature.
- Calculate the predicted remaining service life with physical technical equations.
- Synchronize with reference values from the STÖBER geared motor database.

### Life performance indicator.

- Value for the calculated service life of a geared motor: 0 – 100%.
- > 90%: recommendation for exchange.
- Output in the software of the drive controllers or via a higher-level controller.



## DRIVE OPTIMIZATION

### Manage your system sustainably.

- Analyze load situations in the application.
- Detect anomalies, optimize operating states.
- Increase competitiveness.

### Load matrix.

- Continuous documentation of the cumulative load condition of the drive system over the entire operating time.
- Database for recording real-world load situations.
- Export Virtual Lifetime data as a JSON or CSV file.
- Maximum transparency and unrestricted access to the measurement data of the drive system..

