

GfM Gesellschaft für Maschinendiagnose
 – independency guarantees objectivity.

Our experienced experts operate from two locations in Germany.

Take advantages of our GfM-vibration and gearbox experts. Profit by our comprehensive know-how and our more than 30 years measurement and diagnosis experience.



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„Every time when we manage to solve the technical problems of our customers effectively I am very happy.“

Dipl.-Ing. Kai Uchtmann, Manager GfM

Machine diagnosis
Machine diagnosis

GfM Gesellschaft für Maschinendiagnose

- measurement equipment and accessory
- order measurements
- trainings
- consulting



References

Our devices and services are used for (selection):

- gearboxes in hydropower and coal-fired power plants
- drives in open-cast mining and mines
- mill and kiln drives in cement mills
- hose reel drives in roller mills
- moulding presses in the woodworking
- mixer drives and extruder in the chemical industry
- crane drive in roller mills, steel mills and harbours
- cementation pumps
- wind turbine generators
- ship's drives
- ropeway drives
- ventilators
- paper machines
- dredger drives
- floating cranes
- calenders
- watergate drives and ship hoists

Latest reference list at: www.maschinendiagnose.de



We keep your drive running!

GfM Gesellschaft für Maschinendiagnose

Since 10 years your reliable partner –
The engineer office for state-of-art machine diagnosis and
producer of high-class machine diagnosis technique.

Regular publications in the technical press demonstrate:
We continuously deal with the machine diagnosis scientifically.

„Our state-of-art, high-resolution measurement technique
and qualified analyses detect early weak spots and
damages at components.“

Dr. Rainer Wirth, Manager GfM



Water damage



Rolling bearing
damage



Passage of electrical
current at
rolling bearings

PeakStore

PeakStore

GfM is producer and supplier of innovative measurement
equipment for machine diagnosis.



**mobile and
qualitative high-class
measurement results**

Application of the PeakStore:

- mobile vibration measurements at drives

Characteristics:

- fast mobile on-site measurements
- 8 channels for accelerometers for the data collection
- additional speed measurement
- easy to use also for laymen
- sturdy design

„The qualified collection and processing of
measurement data are the basis for reliable analyses.
Our effective measurement equipment
and our know-how are the guarantor for it.“

Dipl.-Ing. Axel Haubold, Manager GfM

Peakanalyzer

Peakanalyzer



**continuous
and reliable online
measurements**

Application of the Peakanalyzer:

- online measurements and online monitoring of drives

Characteristics:

- independent data analysis
- report when limit exceeded
- up to 16 channels for vibration signals
- obligatory measurement of speed and output
- optional measurement of power and further parameters
- DVS-analysis
- high signal quality
- 16 bit resolution
- operant overvoltage protection
- optimal availability
- immediately ready for service – without a learning phase

„We could not hear the rolling bearing damage which GfM
detected. Also the assemblers of the wind turbine manu-
facturer could not detect it with their mobile measurement
equipment. Thereby was the damage clearly visible after
dismounting. The worst case could be avoided by condition
monitoring .“

citation of a WTG operator

Services

Services

GfM offers competent services:

- on-site measurement of drives
- ongoing online-analysis
- order analysis
- evaluations and recommendations
- report/documentation
- training: qualified seminars of machine diagnosis
offer you diagnosis-know-how and highest possible
autonomy.

Participants' comments:

„The GfM training shows me how I can analyse the
important data with the GfM devices by myself.“

„GfM offers solid basics and enormous transparency
with its seminars – that's not a matter of course.“

„The expertise of the GfM seminar leaders convinced me.“

Complete support of software and devices and also
service and maintenance are part of the GfM range.

We keep your drive running means

→ consequent monitoring of your machines

→ early detection of damages

→ predictable service and maintenance

→ to avoid consequential damages and
failure repeat!

Positive result:

**Failures and standstill periods of your plants
are reduced to a minimum!**

We keep your drive running!