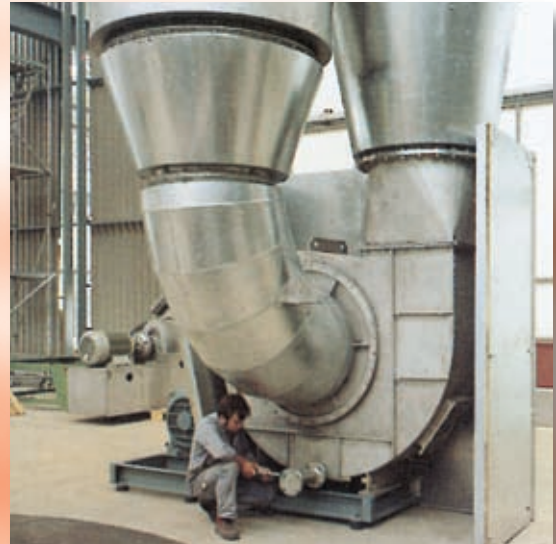




## **Service**

Services worldwide



## *Did you know,*

*... that Piller bearing designs with good maintenance will usually have a life time of 40.000 hours which corresponds to 3.000.000 km the wheel bearing of a car would have to last.*



# Service performances worldwide



## Development is always a step ahead

Piller Industrieventilatoren GmbH has decades of worldwide experience in the manufacture, operation and maintenance of industrial fans for many different applications.

Our experts undergo continuous training in all types of service work.

In conjunction with state-of-the-art equipment, this guarantees high-quality service and ensures that your systems will continue to work without any problems for a long time. But our service performances are not limited to just our own products.

What this means for you is **comprehensive service from a single source.**

## Assembly and commissioning

If you wish, we can provide you with support during assembly, or can do the installation work for you. We use the most modern measuring instruments to check the set-up and alignment of the ventilator, and we will advise you on how to best connect pipelines and supply ducts. Faults most often arise during the first hours of operation. In order to avoid this, our experts will, if you wish, be on hand during the commissioning stage in order to provide help and advice. We will also prepare your operators for their later work.



Complete overhaul of a MVR fan



## Maintenance

Regular and careful maintenance protects people and machines. It safeguards the operating process and also the quality of products. Our service replaces damaged or worn parts only with original parts. We would be happy to advise you on maintenance intervals, your spare parts and equipment requirements, and also the cost of and time required for repairs.

By performing and then evaluating vibration measurements, we can identify and remedy bearing damage before operating faults arise.

We can rebalance blower wheels at operating speed without the need for disassembly, thereby significantly increasing the service life of the bearings.

We help to determine the causes and develop preventative measures.



Precise alignment of coupling

## System optimization

Energy costs or noise level – using the appropriate measuring devices, we can investigate the possible causes in the event that performance data is less than optimum, allowing us to provide information for taking countermeasures. We would be happy to discuss with you and advise you about the best control system for your process, so as to enable you to optimize your ventilator.

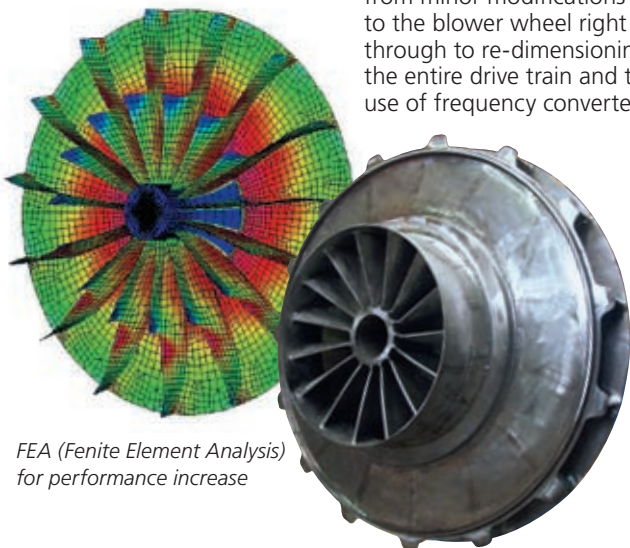


## Spare parts service

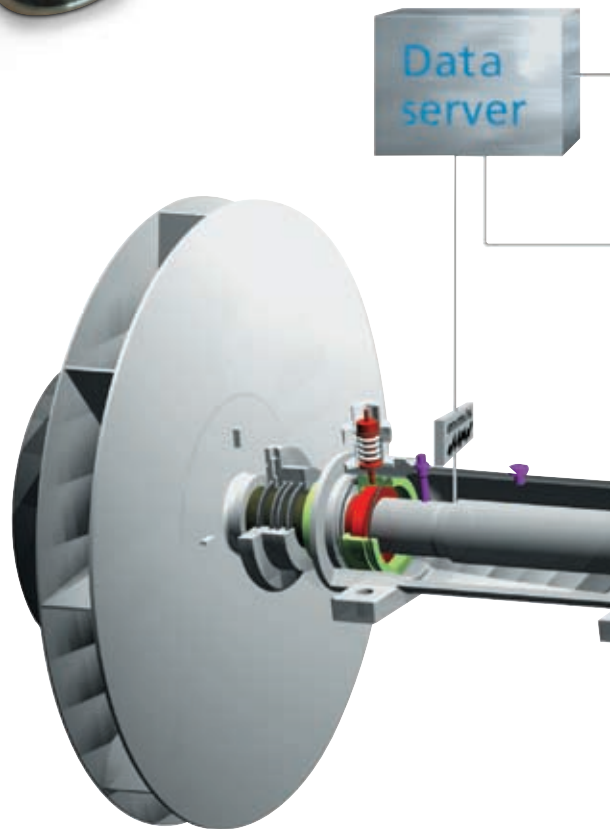
Original Piller spare parts are designed and documented with care. A functioning and applied quality management system conforming to DIN ISO 9001 and responsible, qualified staff are guarantees for the top quality that we offer. This ensures that you will have a supply of spare parts for many years.

## Change in performance

A performance adjustment may be necessary as a result of a change in the periphery, e.g. due to the installation of filters or a product or process technology change. The extent of our tailored system adaptation possibilities ranges from minor modifications to the blower wheel right through to re-dimensioning the entire drive train and the use of frequency converters.



FEA (Finite Element Analysis) for performance increase



## Condition Monitoring System

Thanks to a microprocessor-controlled remote monitoring system developed by Piller, the option exists of having all important machine parameters monitored 24 hours per day at a reasonable cost by specialists at our headquarters.

This allows preventive maintenance in order to avoid unplanned shutdowns of the ventilator, which is normally a key component in the entire system, thereby also avoiding expensive production interruptions.

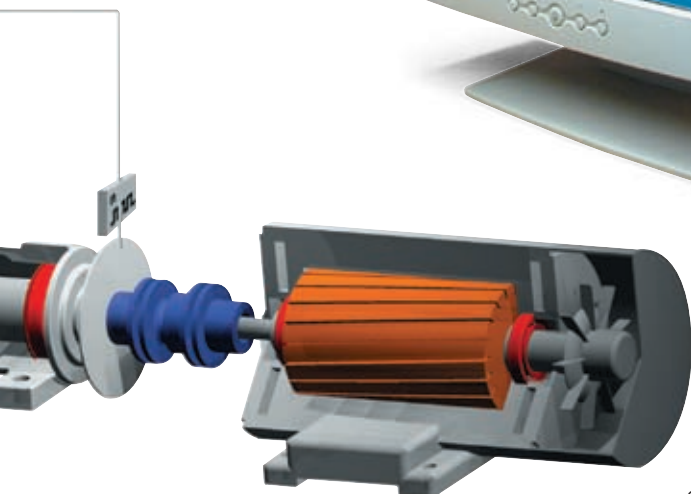
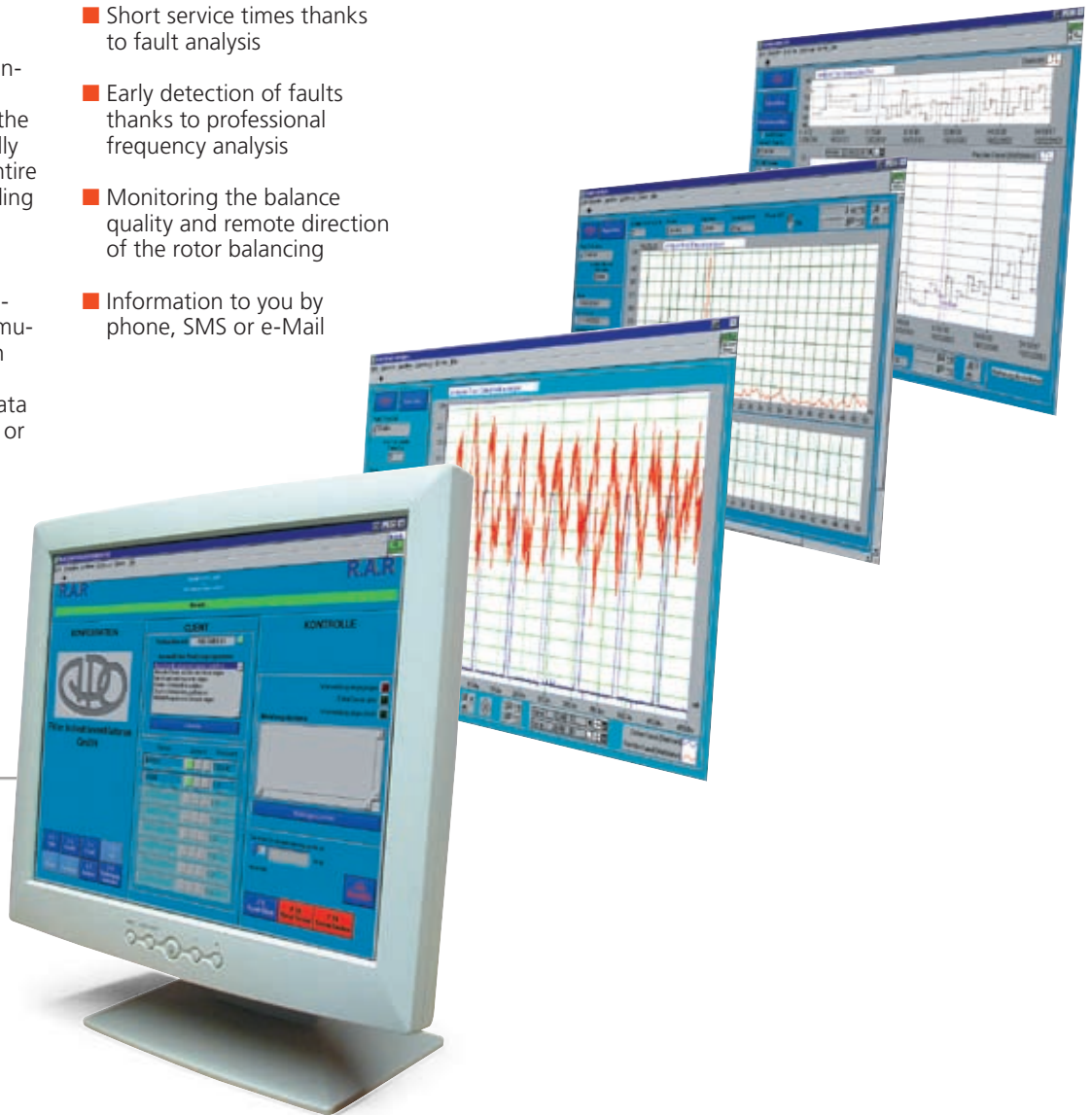
By connecting our monitoring module to a telecommunications network, we can document for you current and historical operating data such as vibrations, speeds or process parameters.

If alarm limits deviate from or exceed the programmed limits, we can provide you with the information that you need.

- Reduction of unplanned shutdowns
- Increased availability
- Short service times thanks to fault analysis
- Early detection of faults thanks to professional frequency analysis
- Monitoring the balance quality and remote direction of the rotor balancing
- Information to you by phone, SMS or e-Mail

Our Service Department is at your disposal for any other question you may have.

**In the event of a problem, our Emergency Service can be contacted 24 hours per day.**



*Condition monitoring of a drive train*



*Our headquarters  
in Moringen*

**We are represented  
throughout the  
world:**

Australia  
Austria  
China  
England  
Germany  
Hungary  
India  
Israel  
Italy  
Japan  
Korea  
Malaysia  
Romania  
Spain  
Switzerland  
United States of America



**Further information is  
available under:**

[www.piller.de](http://www.piller.de)



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