

Industrial Solutions

# POLSCAN®

How to significantly increase  
your rotary kiln uptime.



thyssenkrupp



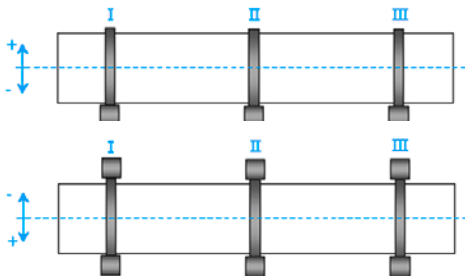
# POLSCAN® – We check your rotary kiln geometry

Our experts can measure rotary kilns of any make. Our range of services comprises various options – precisely according to your needs. Assignment time and financial expenditure can be calculated in advance.

POLSCAN® is a highly accurate optoelectronic measuring method that can measure rotary kilns quickly and precisely during operation. It allows us to reliably diagnose vertical and horizontal deviations of the rotary kiln axis, as well as the deformation, eccentricity and ovality of the kiln shell. A rotary kiln therefore has a significantly higher uptime because damage is detected early.

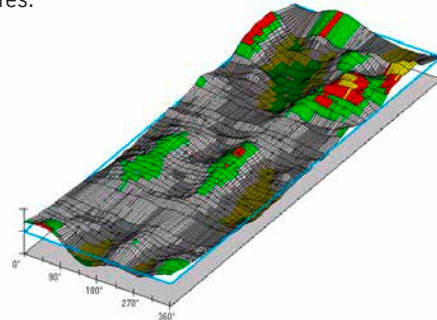
## Option 1

We check the rotary kiln axis and carry out various additional measurements – among other things, the concentricity of the supporting rollers is checked.



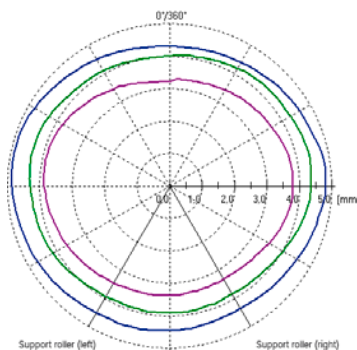
## Option 2

We record the deformation and eccentricity of the kiln shell, including additional measurements such as the axial runout of the tyres.



## Option 3

We determine kiln shell ovality.



## Option 4

Following possible adjustment of the supporting roller bearings based on adjustment distances we have previously determined, we carry out a re-measurement of the rotary kiln axis.

If requested, adjustment of the supporting roller bearings can be carried out by thyssenkrupp.

All measured values are stored and are available for subsequent calculations. After completion of the measurements, documentation with informative reports is generated on site, discussed with the customer and handed over. In addition, a

written report is prepared that contains explanations of the measurement records, as well as recommendations for mechanical plant optimization as determined during the measurements. Plant owners around the world find that our

service is a convincing choice. Since POLSCAN® was launched, we have measured more than 2,000 rotary kilns in 56 countries.



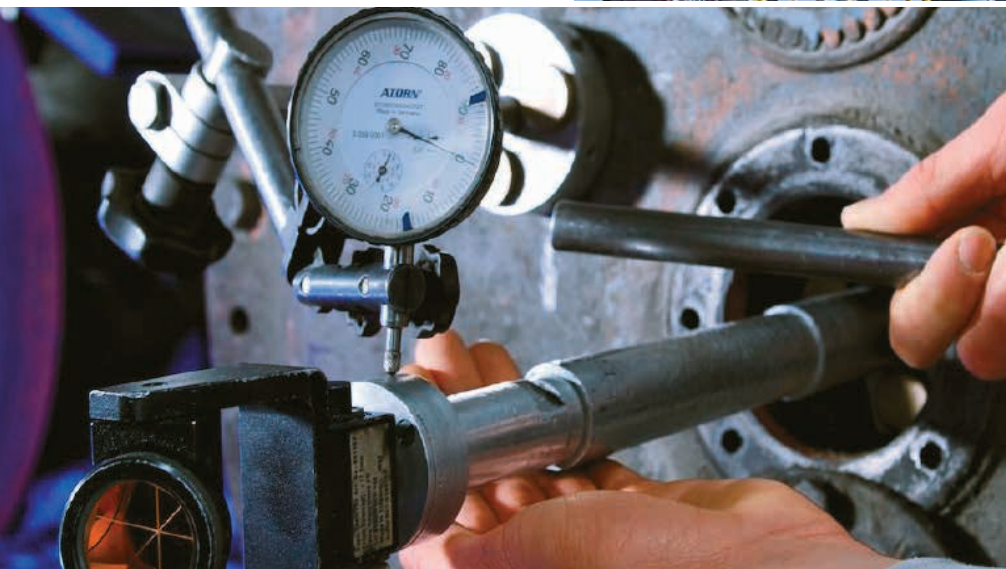
Engineering, Training  
& Consulting



Service Center  
& Field Services

## Advantages of POLSCAN®

- All measurements take place while the plant is in operation
- Defects are detected early
- Rotary kiln uptime increased
- Optimisation of preventive maintenance through precise analysis of the measurement results
- Assignment time and financial expenditure can be calculated in advance
- Rotary kilns of any make can be measured



## Contact

Ansgar Päsche  
ansgar.paeschke@thyssenkrupp.com  
Telefon: +49 25 25 / 99 - 24 23

thyssenkrupp Industrial Solutions  
will support you in everything to do  
with your rotary kiln firing unit.

## Industrial Solutions

thyssenkrupp Industrial Solutions AG  
Graf-Galen-Straße 17  
59269 Beckum  
Germany  
P: +49 2525 99 0  
F: +49 2525 99 2100  
[www.thyssenkrupp-industrial-solutions.com](http://www.thyssenkrupp-industrial-solutions.com)

engineering.tomorrow.together.