polscan® High-precision optoelectronic measuring method

thyssenkrupp

polscan® - High-precision optoelectronic measuring system at on-site use.

We check your rotary kiln geometry

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. Availability of the rotary kiln is therefore significantly higher because damage is detected early.

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

Option 1:
We check the rotary kiln axis and carry out various further measurements – among other things, we detect the dimensions of the tires and supporting rollers.

Option 2:
We record the deformation and eccentricity of the kiln shell, including further measurements such as the axial runout of the tyres.

Option 3:
We measure the kiln shell ovality.

Option 4:
Following possible adjustment of the supporting roller bearings based on adjustment distances previously determined by us, 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 represents are a convincing choice. Since polscan® was launched, we have measured more than 2,000 rotary kilns in 56 countries.

Your service advantages

- All measurements take place while the plant is in operation
- Defects are detected early
- The availability of the rotary kiln is increased
- Optimization 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

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