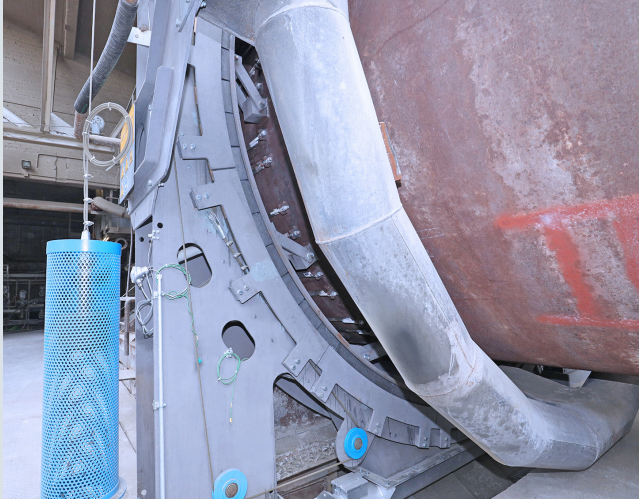


polysius® graphite seal



thyssenkrupp



Two separate tensioning ropes for the upper and lower strand ensure easy and uniform pretensioning by steel weights.



Graphite seal at a rotary kiln on the kiln outlet side.

Effective sealing, easy-to-assemble design

Inlet and outlet graphite seals separate the kiln process from the environment. They are designed to seal off the kiln process from leak air while ensuring maximum process reliability and availability. No additional modifications of the kiln are necessary to retrofit the polysius® graphite seals from thyssenkrupp – independent of the kiln manufacturer.

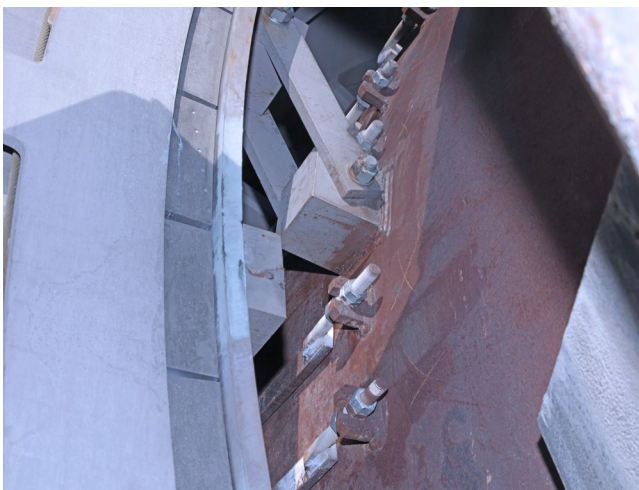
Design and function

The graphite seal is the connecting link between rotating and stationary components. The sealing against rotating and axial movement is achieved by graphite blocks distributed around the circumference.

When the kiln moves axially, the graphite blocks slide on the slide ring. When the kiln moves radially or wobbles, the tensioning ropes with counter weights press the graphite blocks onto the slide ring. The aircooled sealing casing minimizes thermal effects on the graphite blocks.

The fastening system on the kiln inlet and outlet side enables the compensation of age-related wear – independent of the kiln manufacturer.

Powdered material that gets into the seal area is discharged via a dust chute.



The tangential support on the kiln outlet side facilitates assembly if kiln shells are deformed – independent of the kiln manufacturer.

Your service advantages

- Improves the stability of the clinker production process
- High availability
- Low installation and maintenance costs
- Easy installation and short assembly time
- Rapid amortization
- Energy saving by reducing false air
- Reduces CO2 emission

Scan the code and watch the polysius® graphite seal - effective sealing, easy-to-assemble design Video on YouTube

