Factory IMprovement SUPport FIMSUP PRODUCT



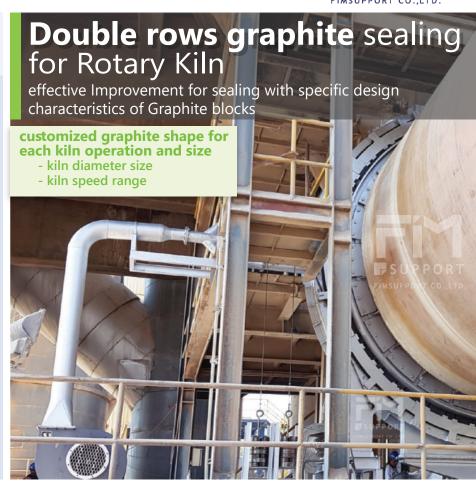




► **Self adjustment** seal is always fitted with rotating part of kiln shell, nearly zero gap in between is maintained.

► Preventing cold air entry

Cold air in = need more hot gases = need more fuel

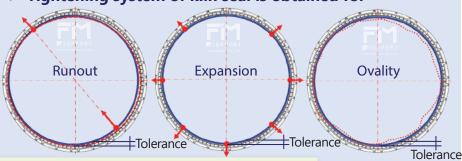




Reduce production losses



- ► Kiln inlet / outlet pressure is always stabilized kiln operation would be steady in consequence.
- ▶ Tightening system of kiln seal is obtained for



Tolerance: In case of accident (Kiln Runout), can be obtained



Simple installation, without modifying existing kiln shell



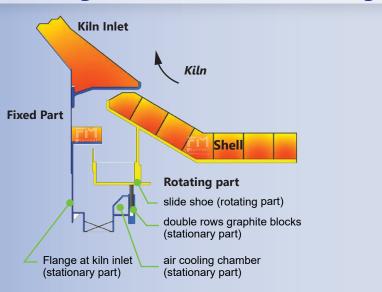
► Minimal maintenance work service time and cost are optimized (No complicated /heavy component to be replaced), only small wear parts are installed during kiln shut down





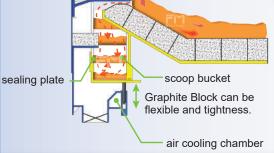
Kiln Inlet Seal

No leakage overtime FIMSUP design









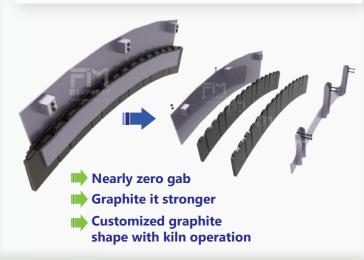


Scoop Bucket

spillage dust from Kiln inlet chute/Kiln tray returns to the system

Tolerance: In case of accident (Kiln Runout), can be obtained

Double rows graphite sealing



Reference

"Before"

Old kiln inlet seal



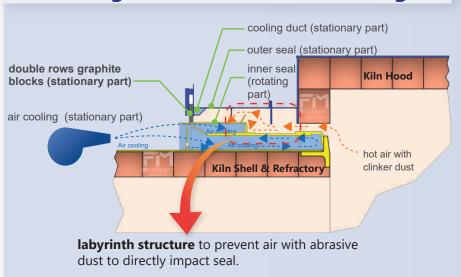
"After"

Replaced by FIMSUP inlet seal

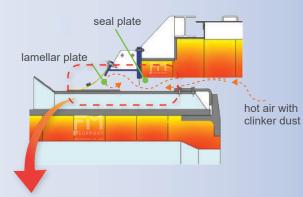


Kiln Outlet Seal

No leakage overtime FIMSUP design



Conventional type



Direct impact by air with abrasive dust

Tolerance: In case of accident (Kiln Runout), can be obtained



Customized graphite shape

for each kiln operation and size

- kiln diameter size
- kiln speed range

for better pressure distribution from Graphite to kiln shell to better seal with minimal gaps

· few degrees deviated from vertical





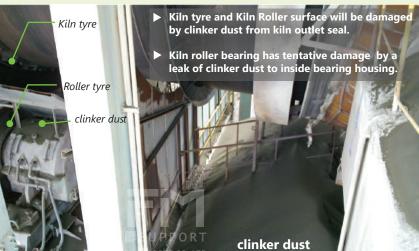




Reference

"Before"

Old kiln outlet seal



"After"

Replaced by FIMSUP outlet seal



Issue Impacts: Conventional kiln seals

Kiln inlet leakage



Kiln outlet leakage



All above problem are solvable!

Our design technology for sealing near meet target zero leaks"

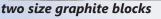
Graphite is one kind of Ideal sealing material

For ✓ High temperature applications

- ✓ Low coefficient of friction
- ✓ Self -lubrication
- ✓ High resistance to chemical attack and corrosion.

Specific design







form into double rows sealing

Average life time of graphite block is 3-5 years

Double rows graphite blocks held inplace by a tightening system (wire rope and counter weight).







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