

# INLET SEAL JIN



**THIS INLET SEAL CAN BE INSTALLED ON  
ANY TYPE OF ROTARY KILN**

**Energy savings and production increase thanks to  
the use of graphite which prevents false air entries**

## ADVANTAGES

Adjustable to any type and size of kilns

**Long lasting efficient leak tightness** without any specific maintenance

**Prevents false air entries & ensures pressure stability** in the kiln

**Prevents release of hot gases and dust particles** from the kiln

The **suppression of dust** outside the kiln ensures a **longer life time** of the **mechanical components** (bearings, roller, etc.) located nearby

Allows an **increase of the throughput** through the kiln

Its **installation** requires **only 9 days** under our supervision

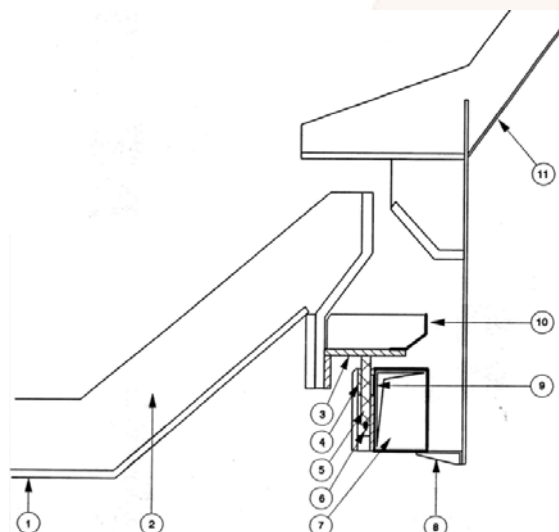
The **replacement** of a **graphite plate** does not require a kiln shutdown

## PRINCIPLE

- A specially designed circular sliding track is mounted on the kiln and adjusted to compensate for any pre-existing eccentricity
- Graphite plates are mounted on a specific support (designed case by case) which is bolted on the fume box
- Graphite plates are held in contact with the circular bearing race with the help of 2 metal cables and adjustable counterweights
  - Cooling of the graphite plates is done with air blown in a dedicated duct
- Graphite plates are overlapping each others to enhance the overall leak tightness

## PERFORMANCES

- Average life time of graphite plates : 4 to 5 years
- **Fast payback**, typically from **6 to 18 months** depending on the condition of the seal to be replaced



1. Kiln Shell
2. Refractory
3. Bearing Race
4. Backing Plates
5. Graphite Blocks
6. Cable
7. Graphite Cooling Air Duct
8. Connecting Flange
9. Graphite Cooling Hole
10. Rotary Ladle
11. Material Entry Chute

*ITECA reserves the right to modify its products without any prior notification*