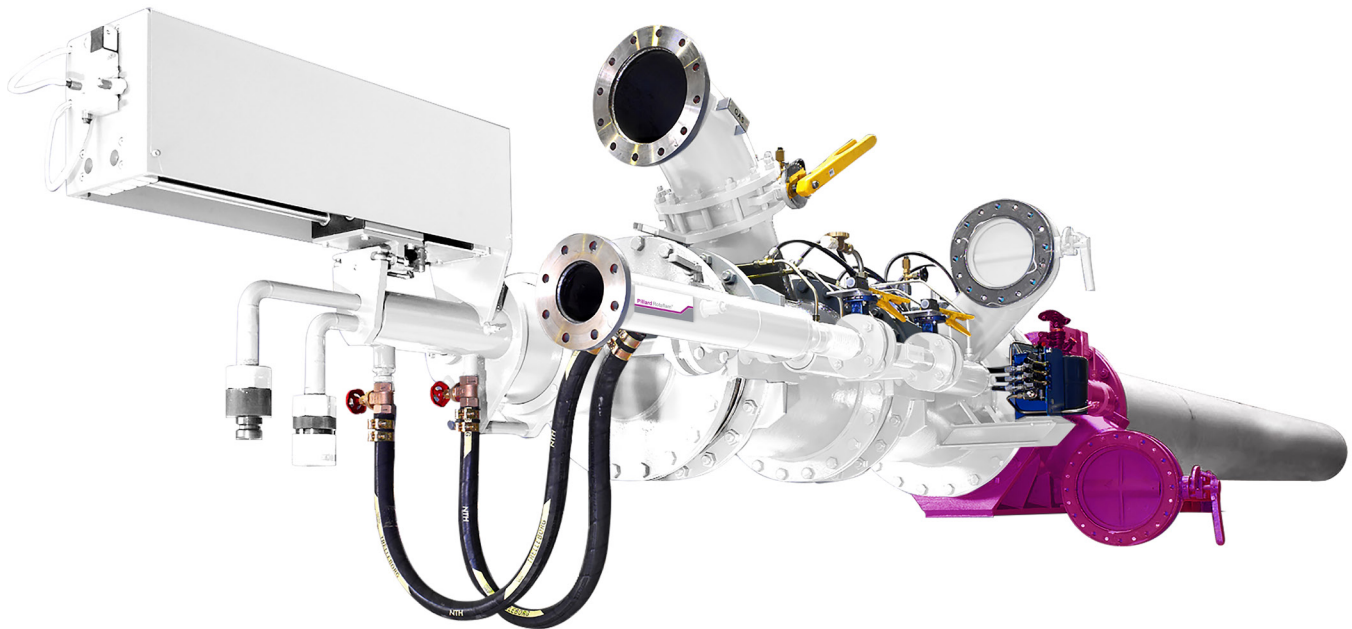


Pillard ROTAFLAM®

Rotary kiln burner



Proven technology for non-cement application

- High flame stability
- Wide range of flame shaping possibilities
- Reduced primary air volume

For more than 20 years, the Pillard ROTAFLAM® has been successfully used in numerous applications worldwide using rotary kilns for calcinations and reduction processes

Pillard ROTAFLAM® is a leading rotary kiln burner for non ferrous minerals pyroprocessing and iron ore pelletization industries.

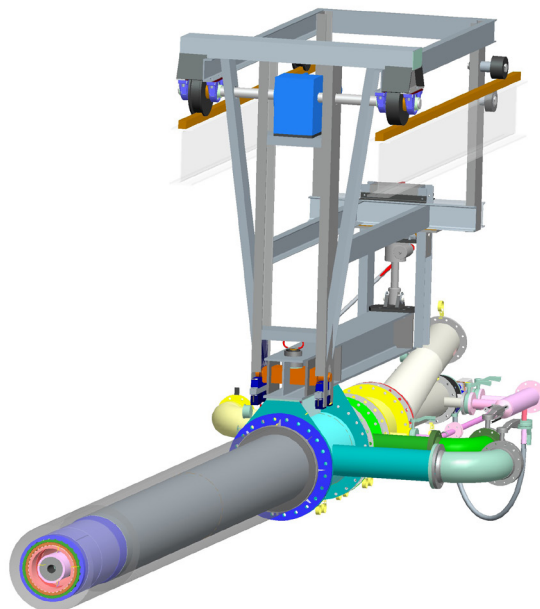
Thanks to its patented principle, the Pillard ROTAFLAM® perfectly matches the combustion specific requirements of each unique process.

APPLICATIONS

The burner is ideal for calcination and reduction of minerals and ores such as quicklime, dolomite, expanded clay, ferronickel, magnetite, chromium oxide, titanium oxide, lithium, iron ore and zinc, and pulp and paper lime recovery.

HIGH FLAME STABILITY & REDUCED NOX

Our Pillard ROTAFLAM® multi-fuel burner guarantees a stable flame thanks to its central plate stabilizer, which generates an internal reverse flow zone in the core of the flame. The system recirculates hot combustion gases with low O2 concentration back to the burner tip, increasing the temperature locally and creating an O2 lean zone in the flame core. This simultaneously improves fuel ignition, flame stability and NOx reduction.



WIDE RANGE OF FLAME SHAPING POSSIBILITIES

Each burner tip's cross section area can be adjusted separately during burner operation, allowing the fine-tuning of the flame setting to each unique process conditions.

REDUCED PRIMARY AIR VOLUME

The high combustion efficiency of Pillard ROTAFLAM® makes it possible to reduce the primary air volume to improve the thermal efficiency of the kiln, while ensuring lower residual CO from the combustion process.

Over **500** references of Pillard ROTAFLAM® burners worldwide. List available on demand.

Key features	
Fuels	Coal, petroleum coke, anthracite, lignite, heavy oil, diesel oil, natural gas, alternative solid fuels (plastics, wood chips, sawdust, animal meal, fluff, etc.), waste oils, solvents, process gases (NCG, coke oven gas, etc.)
Output range	From 5MW to 180MW
Primary air data	Case by case from 6 to 10% flow rate, at 150mbar to 250mbar pressure

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