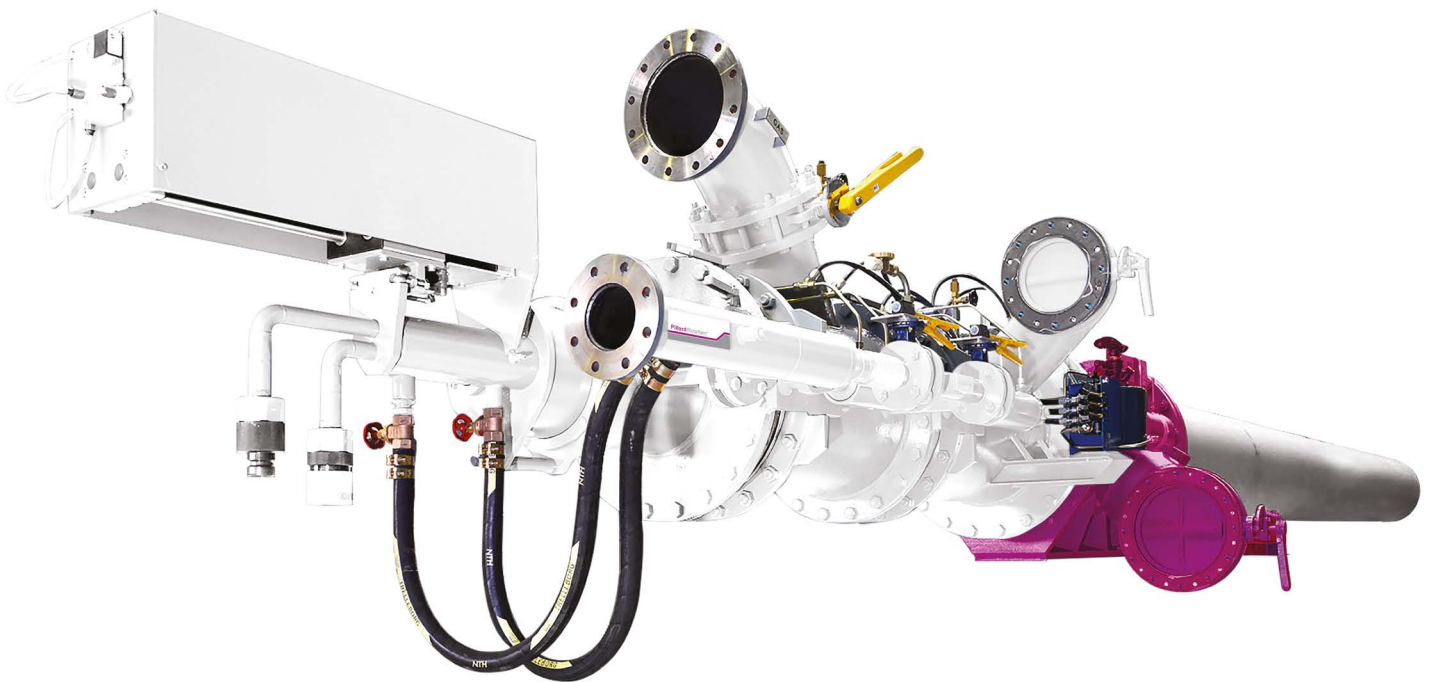


Pillard RotaFlam[®]

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.

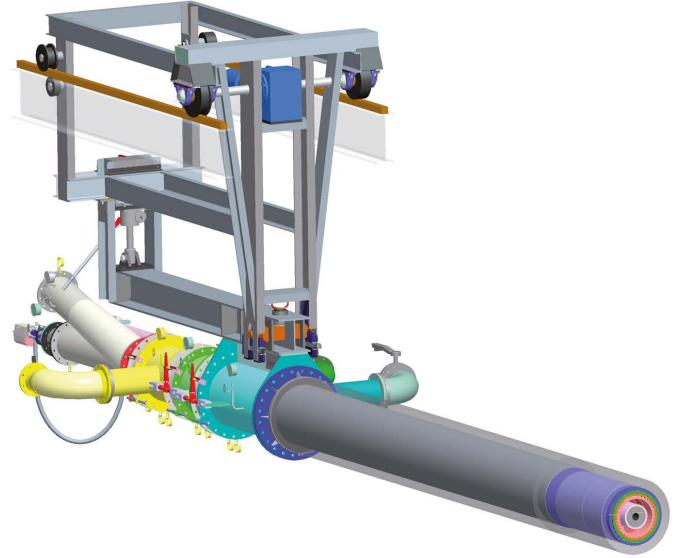
Thanks to its patented principle, the Pillard RotaFlam® perfectly matches the combustion specific requirements of each unique process.

APPLICATIONS

Calcinations and reduction processes: quicklime, dolomite, pulp and paper lime recovery, expanded clay, ferronickel, magnetite, chromium oxide, titanium oxide, lithium, iron ore.

HIGH FLAME STABILITY

The central flame stabilizing system induces recirculation of core eddies, which guarantees perfect flame stability of flame root even at cold start and low secondary air temperatures.



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.

Characteristics

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 200mbar pressure

Selected references

750 TPD lime plant (Belgium)	<ul style="list-style-type: none"> - Lignite : 100% - Fluff : +84% - Biomass: +23% - Less ring / same reactivity
3600 TPD ferronickel plant (Kosovo)	<ul style="list-style-type: none"> - From 100% oil to 90% Pet coke - Without negative impact on product quality and process stability
And other mineral processing plants	Clay, iron pellet, aluminum, zinc recycling