

FCT's flagship natural gas kiln burner, endorsed by the USA EPA as best in-class natural gas burner technology.



Industry Applications:

Rotary kiln for all industries (cement, lime, iron-ore, kaolin, etc.)

When natural gas is the primary fuel, the Gyro-Therm is proven to be the most efficient burner technology, with third party verification of lower operating costs and decreased Nitrogen Oxide (NOx) emissions.

Unique fuel and air mixing is achieved through the patented 'precessing jet' technology exclusive to FCT, without the need for high velocity gas or air jets. This increase flame radiation and lower flame temperatures, resulting in increased heat transfer to the bed and lower NOx emissions.

No other natural gas burner on the market can match it for optimizing kiln performance, raising productivity and minimizing emissions.

The Gyro-Therm burner can be integrated with coal and alternative fuel capabilities so you have flexibility to rapidly switch fuels when needed.

Product Details:

- Primary fuel: natural gas
- Multi-fuel capability: Can be used in combination with solid, liquid and alternative fuels
- 5% primary air requirement
- Channels for pilot ignitor and flame sensor
- High temperature stainless steel faceplates; optional ceramic coating for additional protection

Benefits:

- Technology unique to FCT
- Increases gas flame radiation:
 - Reduces specific fuel use,
 - Lowest possible NOx
- Wide flame adjustment, using only gas, for great control of heat release
- Low primary air requirement
- High turndown, no warm up burner required
- Long life face plates, minimal maintenance costs
- Improved product quality and throughput

