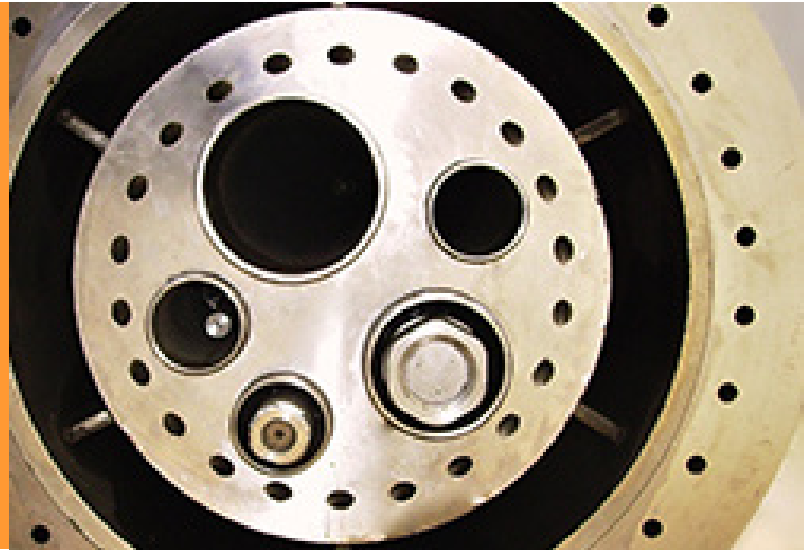


**FCT's flagship solid fuel kiln burner, customizable for maximum fuel flexibility while delivering high performance, backed up by years of CFD modeling development and operational experience.**



## Industry Applications:

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

Instability in world fuel prices means the lowest cost available fuel can change rapidly. Using the Turbu-Jet AF burner allows flexibility to combine coal, liquids, gas and alternative fuels simultaneously. This valuable capability has helped customers world-wide protect profits in the face of instability with fuel pricing and availability.

The Turbu-Jet AF burner has been designed from extensive physical and CFD modeling research and development, backed by extensive in-field operational experience. This includes the award-winning lofting technology that can be used for suitable alternative fuels. Each burner is custom designed taking into account the firing rate, fuel mix, kiln operation and flame shape for a particular process. Customers report that maintaining production stability and emissions control is easier with our market leading burner design.

In short, the Turbu-Jet AF always lets you utilize the most economical fuel currently available, while enjoying stable and predictable production.

## Product Details:

- Primary fuel: coal, petcoke or natural gas
- Multi-fuel capability: can be used in combination with all fuels particularly alternate fuels:
  - Liquids: solvents, oils, etc.
  - Solids: RDF, sewage sludge, rice husks, etc.
- Optional "lofting" technology for solid fuel channel
- Firing capacities from small (10MW) to largest-scale (+150MW)
- Channels for pilot ignitor and flame sensor
- High temperature stainless steel faceplates; optional ceramic coating for additional protection

## Benefits:

- Customizable design to suit all fuel requirements
- Fully flexible across a wide range of fuels
- High alternative fuel firing rates
- Great control of heat release
- Low NOx design
- Wide flame adjustment, using only primary air proportion
- Low primary air requirement
- High turndown, no warm up burner required
- Long life face plates, minimal maintenance costs

