FEECO is a globally recognized provider of custom thermal processing equipment and process solutions. We offer custom equipment, including everything mentioned here, as well as process and product development services. We also offer a unique feasibility testing lab - The Innovation Center, where thermal processes can be tested at both batch and pilot scale to gather process data and develop a recipe for process scale-up.

For more information, contact us today at FEECO.com/contact.

**ROTARY DRYERS & COOLERS**

**For drying and cooling of bulk solids**

**DIRECT DRYERS**

- **WORKS BY** Tumbling solids in a rotating drum in the presence of a process gas. Flights pick up and drop material through the air stream to maximize heat transfer efficiency.

- **TYPICAL APPLICATIONS** Fertilizers & Soil Amendments, Gypsum, Lime, Sand, Animal Bedding from Manure, Aggregates.

- **SIZE** Drum Diameter: 36" - 15' | **CAPACITY** 1 TPH - 200+ TPH

- **AIRFLOW** Co-current (Parallel) or Counter Current

**DIRECT COOLERS**

- **WORKS BY** Tumbling solids in a rotating drum. As with direct dryers, flights are utilized to increase heat transfer.


- **SIZE** Drum Diameter: 36" - 15' | **CAPACITY** 1 TPH - 200+ TPH

- **AIRFLOW** Counter Current

**INDIRECT OPTIONS** Both rotary dryers and coolers are also available in an indirect configuration to provide a setting that avoids entrainment of the material in the air stream and can be used to create an inert process environment.

**ROTARY KILNS**

**For high temperature processing of bulk solids to carry out a chemical reaction or physical change in the material**

**DIRECT-FIRED KILNS**

- **WORKS BY** Tumbling solids in a rotating drum in the presence of a high temperature process gas.


- **SIZE** Up to 15' Diameter x 100' | **CAPACITY** 1 TPH - 200+ TPH

- **AIRFLOW** Co-current (Parallel) or Counter Current

**INDIRECT-FIRED KILNS (AKA CALCINERS)**

- **WORKS BY** Tumbling solids in a rotating drum, which is sealed off and externally heated, creating an inert environment and mitigating the risk of entrainment of fines in the process gas. Material is heated by contact with the shell of the drum.


- **SIZE** Up to 15' Diameter x 75' Heated Length | **CAPACITY** 200 LB/HR - 20 TPH | **AIRFLOW** Cross Flow

**THERMAL PROCESSING SOLUTIONS**

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