



PROCESS

FEECO designed, engineered, and manufactured two [rotary dryers](#) with natural gas-fired air heaters including combustion chambers, burners, refractory, and controls for [drying metallurgical coke](#).

Each dryer was designed with an over-sized discharge breeching complete with louvre bars to reduce particle entrainment to the exhaust gas handling system. This allowed FEECO to minimize the size (and cost) of the dryers without having excessive particles going to the exhaust gas handling system and without reducing drying efficiency.

The burner, pre-piped gas train, and combustion chamber for each dryer system, along with the control panels, were mounted onto skid-mounted, structural steel frames and access platforms with safety rails (pictured above) for ease of installation, as well as to improve the accessibility of each dryer for maintenance and operation.

In addition to the dryers, FEECO supplied three centrifugal-style belt [bucket elevators](#) of varying heights for vertically conveying the coke at 60TPH each.

PROJECT SPECS

Customer:
Proprietary

Equipment Supplied:

- (2) 40' x 9' Rotary Dryers
- (3) Bucket Elevators

Project Location:
Ohio, USA

Industry:
Mining

Material:
Metallurgical Coke

Project Engineer:
FEECO International, Inc.