



PROCESS

As the result of several successful projects and continued support, FEECO has become the preferred dryer supplier to a leading producer of garnet sand for use in the abrasives and waterjet cutting industries.

The customer commissioned FEECO to engineer and manufacture a rotary dryer for reducing the moisture content of their garnet sand. Because product integrity was of the utmost importance, the [sand dryer](#) incorporated a combustion chamber to prevent contact between the product and flame.

The drum was built with garnet sand's highly abrasive quality in mind. As such, both the drum and flights (material lifters) were constructed from abrasion-resistant steel. The flights featured a bolt-in design for ease of replacement should excessive abrasive wear occur.

The unit was equipped with a controls package and instrumentation to facilitate operation and monitor key process variables.

FEECO also provided on-site supervision for setting of the trunnion and drive bases, as well as the drum itself. FEECO continues to support the customer at all plants with inspections, spare parts, and repairs as needed.

PROJECT SPECS

Customer:
Proprietary

Equipment Supplied:
Rotary Dryer w/ Combustion Chamber

Project Location:
USA

Industry:
Abrasives

Material:
Garnet Sand

Project Engineer:
FEECO International, Inc.