



## PROCESS

FEECO engineered two identical [indirect rotary kiln systems](#) for a customer looking to carry out a pyrolysis process to produce a condensed gas from wood chips.

Wood chips are fed into the rotary kiln, which is sealed from the external environment to create an inert processing atmosphere. Through pyrolysis, a gas is generated, which is then condensed for use in the food industry. The solids remaining after pyrolysis are considered a biochar product.

As an alternative, the company has the option of not condensing the gas, and instead using it as a substitute fuel for the kilns.

Each kiln is 4' diameter x 55' long and is fed via a screw conveyor. FEECO continues to work with the customer in a support capacity.

## PROJECT SPECS

**Customer:**  
Proprietary

**Equipment Supplied:**  
(2) Indirect Rotary Kilns

**Project Location:**  
Missouri, USA

**Industry:**  
Food, Forest Products

**Material:**  
Wood Chips

**Project Engineer:**  
FEECO International, Inc.