



# Sackett Calciners

Sackett brings over 100 years experience to the thermal processing industry, and although our technology has changed over the decades, our commitment to the customer never has: we are committed to bring you the best

quality equipment in the industry. With in-house engineering staffed by experienced personnel and a state-of-the-art manufacturing plant, we have all the tools needed to see you through to a successful start up.

**Sackett Calciners are custom built to your specifications, including**

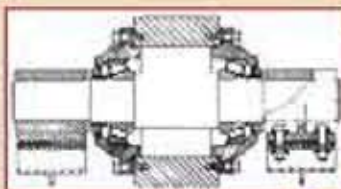
- ✕ Diameters from 12 inches to 10 feet plus.
- ✕ Lengths typically from 10 to 60 feet plus.
- ✕ An extensive variety of high efficiency gas or electric furnace packages.
- ✕ Zonal heating with independent controls.
- ✕ Direct or indirect heating.
- ✕ Drums are supplied as weldments or are centrifugally cast. Sackett manufactures drums in alloys #HR120, 601, 625, 800HT, 802, plus stainless steels including 304, 309, 310, 316 and 330. Weld X-rays are available.



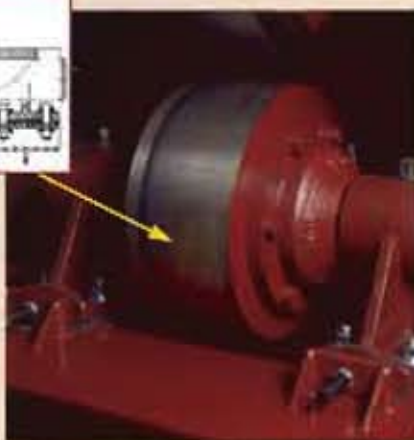
This view from inside the drum shows the thermocouple pick-up. Sackett Calciners have custom designed flights or chains that best promote the uniform heating of the particular materials being processed.



*View Inside Drum*



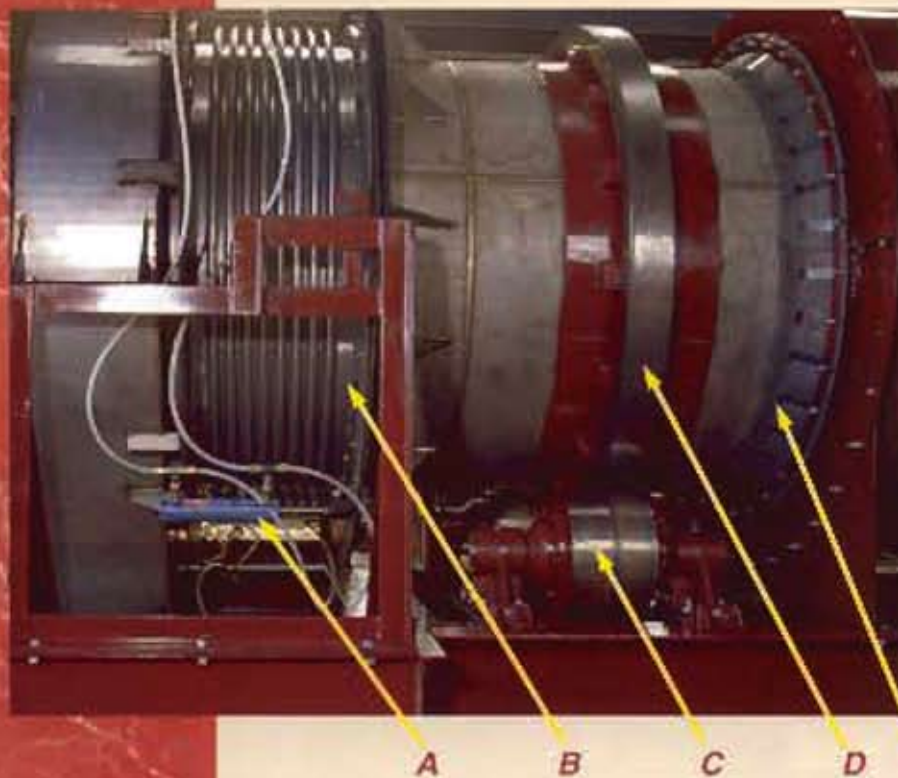
Sackett's exclusive forged steel trunnions have internally mounted tapered roller bearings on oversize stationary shafts, for long life.



*Sackett Heavy Duty Trunnion Assembly*

## Sackett Quality

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Sackett Calciners are designed and built for efficient, reliable operation. Pictured at left are some of the design advantages built into Sackett Calciners including

- A) Pneumatically controlled, automatically adjusted seal system.
- B) Bellows made of various materials with excellent durability.
- C) Extra wide, heavy duty trunnions to allow for drum expansion.
- D) Forged steel, heavy duty machined tires.
- E) Unique graphite impregnated spring loaded furnace seal.



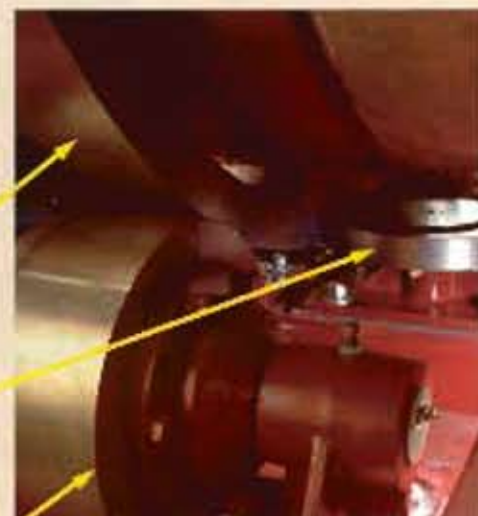
Sackett equipment is known for its ruggedness and quality workmanship. Shown at left is a section of a Calciner's brick and ceramic fiber insulation.

Efficient placement and routing of the heat channels improves the Sackett Calciner's efficiency.

Sackett's **forged steel tires** feature a homogeneous structure for toughness and controlled hardness to provide years of trouble free service.

Heavy duty steel **thrust rollers** with vertical shafts are mounted in double row heavy duty bearings.

Sackett's **forged steel trunnions** have internally mounted Timken tapered roller bearings on oversize stationary shafts; piston ring seals and a large lubrication reservoir.



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