



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

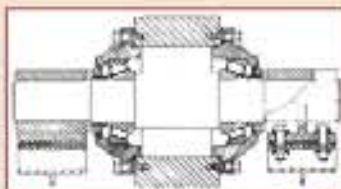
- ✕ Diameters from 12 inches to 10 feet plus.
- ✕ Lengths typically from 10 to 60 feet plus.
- ✕ An extensive variety of high efficiency gas or electric furnace packages.
- ✕ Zonal heating with independent controls.
- ✕ Direct or indirect heating.
- ✕ Drums are supplied as weldments or are centrifugally 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.



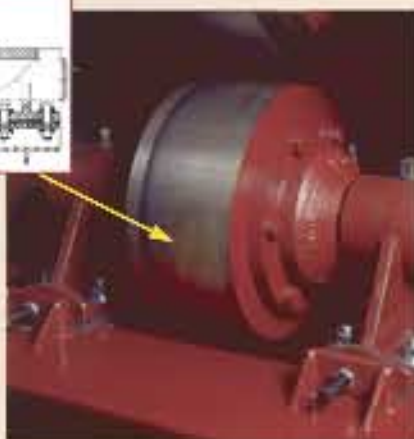
This view from inside the drum shows the thermocouple pick-up. Sackett Calciners have custom designed flights or chains that best promote the uniform heating of the particular materials being processed.



View Inside Drum



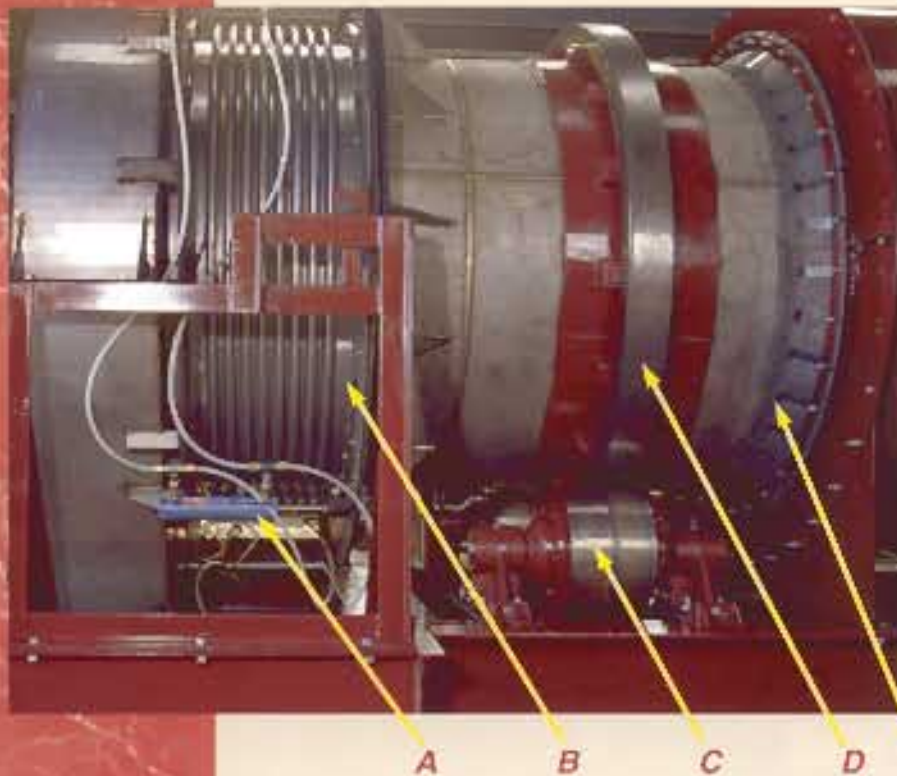
Sackett's exclusive forged steel trunnions have internally mounted tapered roller bearings on oversize stationary shafts, for long life.



Sackett Heavy Duty Trunnion Assembly

S a c k e t t Q u a l i t y

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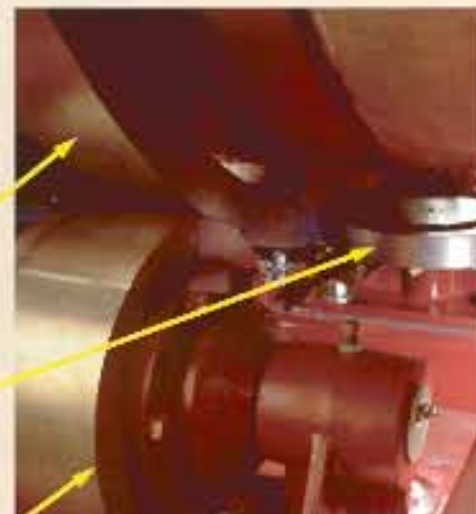
Sackett Calciners are designed and built for efficient, reliable operation. Pictured at left are some of the design advantages built into Sackett Calciners including

- 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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