



What is a Shuttle Kiln?

Shuttle kilns have fixed position heating chambers, and one or more ware cars that are moved into the kiln for firing. Cars facilitate loading and unloading operations, especially in large production sizes. Shuttle kilns are ideal for dense, heavy loads.

Keith pioneered TwinTrak™ two-car wide shuttle kiln technology in the early 1970s, a major energy efficiency development still in use today around the world.

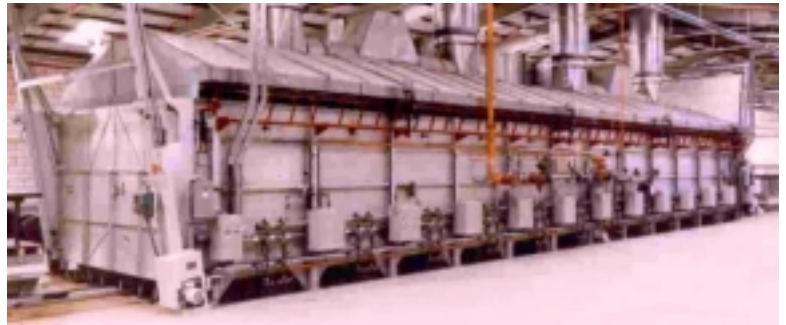
GENERAL CAPABILITIES

- Designs from 96 to 3,600 ft³ of working volume
- Electric heating systems available up to 300 ft³
- Gas heating systems available for all sizes
- Standard setting widths of 4, 5, and 6 feet
- Single or multiple zones of control
- One, two, or three cars wide
- Manual or fully automatic firing control
- UL approved control panels
- IRI, FM, and NFPA compliant safety equipment

Car Shuttle Kilns

Keith shuttle kilns are widely recognized for their performance, efficiency, and reliability by leading potteries around the world. Featuring modular design, energy efficient construction, and long service life, they provide economical high-volume production.

For use to 2420°F (1326°C) or cone 12 with gas or electric heating, shuttle kilns are especially well suited for firing earthenware, stoneware, and porcelain products. Typical applications include dinnerware, garden pottery, sanitaryware (first-fire and re-fire), electrical porcelain, tile, technical ceramics, brick, clay pipe, technical ceramics, and refractories. Higher temperature models are also available for specialty products.



CONSTRUCTION

Insulation systems of brick, ceramic fiber, or a combination of both provide the right balance of durability, rapid heating and cooling, and energy efficiency. Cars for small kilns are often manually operated, while fully motorized car moving systems are standard on larger models.



HEATING SYSTEMS

Keith gas fired kilns use atmospheric inspirator or sealed package burners. These burner systems feature multi-zone control and pulse firing for more uniform firing temperatures. All our gas systems have combustion safeguards. Electrically heated kilns have heavy gauge wire heating elements supported on ceramic rods, or rod overbend elements mounted along the sidewalls. This clean-firing, durable construction provides very uniform temperatures.



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AUTOMATED KILN CONTROL

All Keith kilns feature digital process controls. Everything from programmable heating and cooling to pulse firing and gas safety logic is managed automatically using the latest control technology. Digital communications with a remote supervisory workstation is a popular option for larger kilns.



QUALITY YOU CAN DEPEND ON

Maximum product quality and yield, lower energy costs, more effective use of manpower, and dependability are benefits you will receive from your Keith car shuttle kiln. We use only the best materials, combined with intelligent design and durable, attractive construction. Choosing a kiln with known reliability and quality now will result in fewer problems in future years.

SERVICE

Outstanding service begins the first time you contact **Keith** and continues for as long as you own your equipment. We make a point of responding quickly to your questions with reliable technical information. Our field service engineers are ready to help your installation and start-up go smoothly and quickly. **Your success is our goal!**

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