

Shuttle kiln



The shuttle kiln stands out for an extremely good temperature distribution and significantly low energy consumption. The very flexible firing aggregate ensures first-rate quality products for manifold and different fields of application.

- Sanitary ware
- Tableware and porcelain
- Roof tiles and accessories
- Clinker bricks and spilt tiles
- Cordierite-/vitrified clay pipes
- Technical ceramics
- Special applications

Being in successful operation since years for first firing and re-firing as well as decoration firing of top-quality ware at many renowned manufactures in the ceramic industry, the shuttle kiln is even far beyond the expectations concerning capacity of the kiln and quality of the ware.

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Technical data

- Kiln volume up to 450 m³ net
- Setting width up to 5.6 m
- Setting height up to 4.0 m
- Firing temperature 800 - 1800 °C
- Firing cycle 6 to 80 h, depending on application
- Fuel natural gas, liquid gas, others upon request
- Kiln insulation fibre, lightweight bricks or sandwich construction

Characteristics of shuttle kilns

- modular design
- low energy consumption due to optimised kiln control, special impulse burners and high quality refractory lining with best isolating properties and high refractory resistance; lining alternatively with refractory lightweight bricks or as full fibre lining.
- excellent firing results due to ideal temperature distribution
- powerful lateral burners
- no temperature peaks
- self-optimisation of burners after power failure
- regulation by means of process control system with remote control function
- kiln visualisation system available in many different languages
- remote control and teleservice via modem connection
- oxygen reading of the kiln atmosphere
- minimum maintenance and not much personnel required
- oxidising/reducing atmosphere and reduction or flashing with high reproducibility possible
- kiln car transport system according to individual demands
- kiln cars with lightweight insulation and kiln car superstructure

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