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.
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

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