

**STK  
TUNNEL KILN FOR FIRING AND RE-FIRING SANITARY FITTINGS**

- STRUCTURE:** - Special lightweight refractory bricks and a microporous structure for the parts in contact with the flame and ceramic fibres for those not exposed to the flame.
- COMBUSTION:** - Fixed air/modulated gas or modulated air/modulated gas system (depending on the client's requirements), burners with double filters (on air and gas), automatic ignition and flame control, self-regulating groups.
- PIPES AND FANS:** - Stainless steel blowing pipes in the fast cooling sector; fans supplying the air equipped with filtering equipment.
- AUTOMATISMS:** - The firing and fast cooling temperatures and the combustion air pressure are self-regulated.
- COMPUTER:** - Sets the set point, recipes, alarms; acquires and records the effective temperatures of the thermocouples and alarms that have been activated; it can memorise up to 500 firing recipes.
- CONSUMPTION:** - Low consumption is guaranteed by: the efficient heat insulation, the adjustment system of the burners and pre-heating the combustion air.
- QUALITY:** - The high number of burners and adjustment zones guarantee progressive, uniform and flexible heating in all of the sections; each burner is adjustable independently (precise adjustment in the firing diagram); highly efficient filtering devices stop any contamination of the product.
- RE-FIRING:** - In the Stk kiln you can do first and second firing simultaneously and also fire Fire Clay and Vitreous China with the same thermal curve at the same time.

***Using the kiln with a Sacmi drier lets you exploit the energy flow in the best possible way and lower the costs of production.***

### SPECIFICATIONS

	<b>STK 260</b>	<b>STK 300</b>	<b>STK 340</b>
Internal kiln width	2620 mm	3040 mm	3450 mm
Useful car width	2425 mm	2835 mm	3235 mm
Car length	1400 mm	1400 mm	1400 mm
Useful car length	1385 mm	1385 mm	1385 mm
Useful loading height	800-1100 mm	800-1100 mm	800-1100 mm
Useful car area	3,35 m <sup>2</sup>	3,92m <sup>2</sup>	4,48 m <sup>2</sup>
Average car load	20 pezzi	23 pezzi	26 pezzi
Kiln length	45-90 m	45-100 m	60-110 m
Maximum temperature of the structure	1350 °C	1350 °C	1350 °C
Maximum working temperature	1250 °C	1250 °C	1250 °C
Indicative firing cycle	10-14 h	10-14 h	10-14h
Indicative specific consumption	1100-1300 Kcal/Kg	1100-1300 Kcal/Kg	1100-1300 Kcal/Kg

The lengths of the kilns in the table are merely indicative and refer to existing machines.  
It is possible to customise the length of the kiln on the basis of the layout, to meet the client's requests.