



ER-15



ER-30

## DESCRIPTION

This type of kiln is made up of a sturdy steel structure fire-painted at 180 ° C with scratch-resistant epoxy paints. Inside it encloses the thermal insulation consisting of low-density refractory bricks and pre-formed ceramic fiber plates highly resistant to temperature and thermal shocks.

The oven includes, in different quantities according to the various models, areas with different characteristics, namely:

- smoke entry and evacuation area
- preheating area
- baking zone
- cooling zone

### Advancement system of the material:

The advancement of the tiles in the kiln takes place through ceramic rollers (with a diameter of 20 mm and a pitch of 38.1 mm), which are rotated by means of a pinion-chain system with programmable speed.

The towing system is developed to make it possible to disassemble the rollers in a sufficiently fast time.

### Heating system

Depending on the model, the heating system consists of both spiral-wound Kanthal-type wire resistors and silicon carbide resistors, allowing these ovens to operate up to a maximum temperature of 1330 ° C.

They are inserted from the side of the oven allowing them to be easily replaced by removing only the protective casing; an operation that does not require the intervention of a specialized technician.

*In the cooking zone, the upper and lower parts are managed independently*

*The cooling zones are managed automatically in all models, with the exception of the ER10 and ER15 models.*

## COMAND PANEL



Each zone in which the resistances are present (preheating, cooking and cooling), is managed by a self-regulating potentiometric pyrometer which operates by commanding static units.

## CONTROL PANEL

It consists of a steel container containing all the equipment necessary to control the kiln such as:

- main line switch
- remote rescuer
- fuses
- on and off buttons
- electric circuits for starting and controlling the various kiln devices
- static units

Kiln model	Max format tile [cm]	cooking cycle [minutes]		PROGRAMMABLES zones			NON-PROGRAMMABLES zones
		from	to	PREHEATING	FIRING	COOLING	COOLING
ER-10	5x5	14	140	/	1 (*)	/	/
ER-15	15x15	11	110	1	1 (*)	/	1 (**)
ER-20	15x15	15	130	1	1 (*)	1	1 (***)
ER-30	25x25	13	125	2	1 (*)	2	1 (***)
ER-45	30x30	17	174	2	1 (*)	2	2 (**)

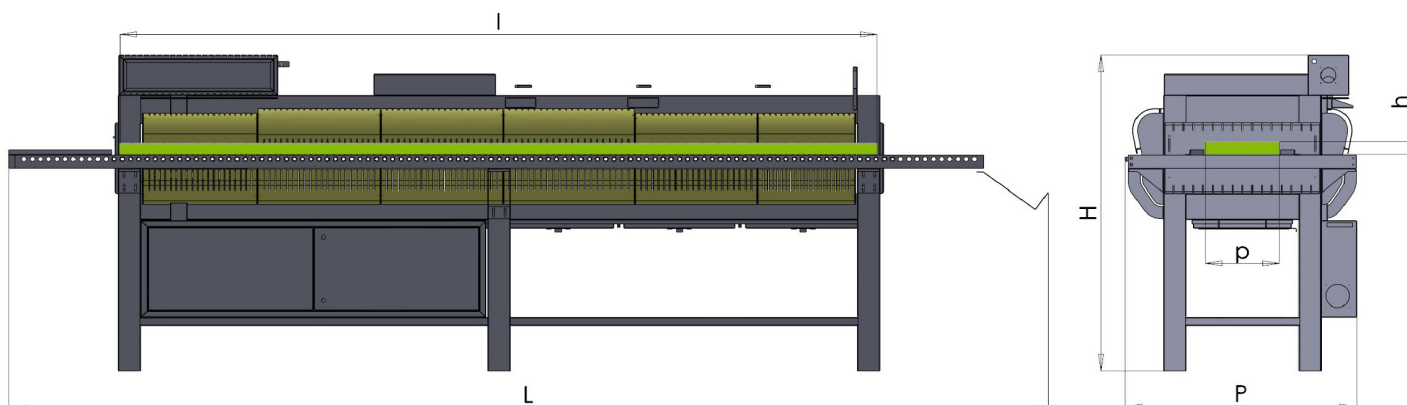
\* : the temperature above and below the rollers can be individually programmed

\*\* : the temperature is displayed on the control panel

\*\*\* : the temperature can be detected using an external portable thermocouple

*The maximum size of the tile that can be fired is always related to the type of material and the duration of the firing cycle.*

### MODEL RANGE



### TECHNICAL CHARACTERISTICS

Mod.	Max Temp. [°C]	Internal dimensions [mm]			External dimensions [mm]			Power	V + N	Weight
		Lenght [l]	Width [p]	H. [h]	Lenght [L]	Width [P]	H. [H]	Kw		[kG]
ER-10	1330	1000	150	30	1670	1000	750	5	230	202
ER-15		1500	250	40	2300	1100	1600	13	400	520
ER-20		2200			3400	1100	1600	16		680
ER-30		3550	400		4750	1220	1600	36		1255
ER-45		4530			6160	1200	1600	40		1461

(all data are not binding, the manufacturer reserves the right to modify them)

### OPTIONAL

- Management of the kiln via PC
- SAI connection