

OG 500 FIRING OVEN

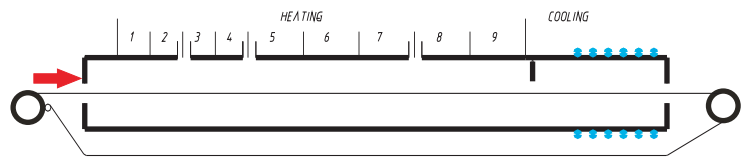
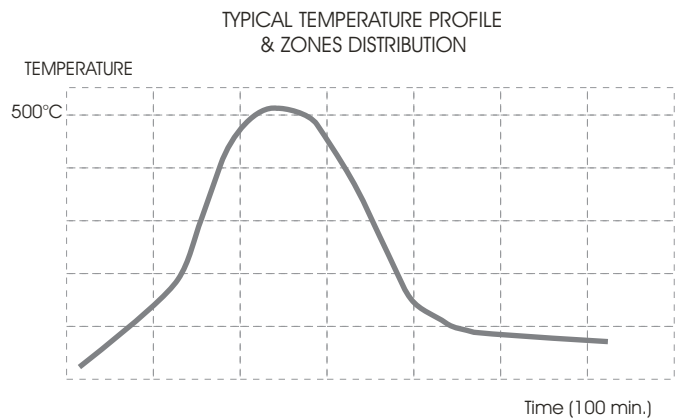


OVENS FOR THICK FILM TECHNOLOGY

- Firing of Thick Film Pastes
- Applications are thick: film on Ceramics, Silicon, Aluminium, Glass, Steel, Solar Cell, DSSC.
for Different Pastes as Dielectric, Conductor, Glass

MODEL OG500 FIRING

The Aurel OG500 furnace is designed for the firing of the thick film pastes used in high volume production of hybrids, solar cell, glass sealing, power device on aluminium or steel. OG500 has a robust metal muffle with heaters on four sides for a precise 9 zones heating distribution and uniformity including the cooling section with air and water that allows a perfect temperature profile. The extraction with Venturi system and the internal curtains ensure the evacuation of all burnout exhausts. The thick layers of insulation and the smart computer control, limiting the load, save power the energy bill and the ambient.



STANDARD FEATURES

- Conveyor type:
Meshed belt stainless steel 304
- Muffle in thick stainless steel 310
- Heating with long life heating elements on top, bottom and sides
- Conveyor system with electronic speed control
- 9 zones controlled by PC
Power solid state relays zero crossing
- "Venturi" system with adjustable flow for controlled exhausts and input/output curtains

OPTIONS

- Conveyor cleaning by water and ultrasonic system
- Temperature profiler
- Nitrogen or air atmosphere
- Automatic loading and unloading systems for in-line systems

Specification

	OG500/14	OG500/28
Belt width	350 mm	700 mm
Speed range	12-250 mm/min standard	
Temperature	Up to 600°C	
Zones no.	9	
Power rating	68Kw	110 Kw
Heated length	3750	
Cooling length	1300 mm	
Energy consumption	20% of installed power	
Max power absorption	30-40 Kw - PC settable	
Clearance above conveyor	80 mm	

Dimensions

Length	6550 mm	
Width	1200mm	1400 mm
Height	1450 + PC and exhaust	
Approx. Weight	3500 Kg	3800 Kg
Utilities	400 V 3/N 50 Hz	
Air	Dry - 5 Ate - 200 N l/min	



Specification are subject to change without prior notice.

Printed in Italy 51A1112