

A206 DRYER/CURING OVEN



OVENS FOR THICK FILM TECHNOLOGY

- Drying of Thick Film Pastes
- Curing of Polymeric pastes, Adhesives, Resins
- Hot Air, IR, UV

MODEL A206 DRYER

Prior to being submitted to be firing process, substrates with screened-on inks/pastes must be predried to evaporate the solvents.

Hot air and IR heating are best heating method available by which thick film pastes can be properly dried with optimum results:

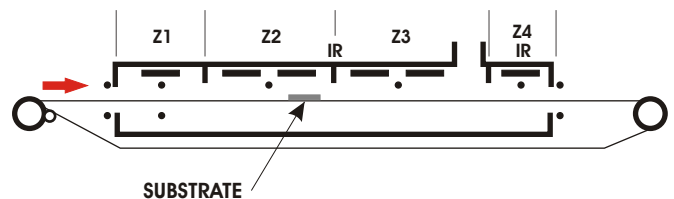
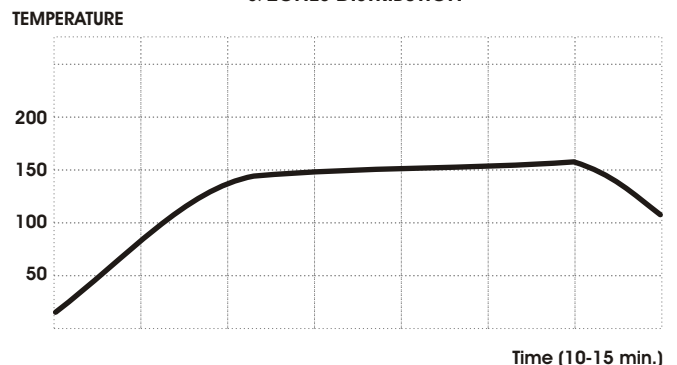
This is because infrared heat waves penetrate the material and dry the inside of the material first, then dry outwardly to the surface. Convection heat causes the outside of the paste to dry first forming a film through which it is difficult for the solvent within to pass. The solvents actually become partially trapped and as they eventually are released cause cracks in the surface of the material.

Consequently the surface is irregular, resulting in reduced conductivity or inconsistent resistivity.

The A206 drying ovens are designed to prevent the problems outlined.

Design criteria are based on extensive experience in thick film technology, to provide the user with a

**TYPICAL TEMPERATURE PROFILE
& ZONES DISTRIBUTION**



STANDARD FEATURES

- Conveyor types:
 - Meshed belt stainless steel
 - Silicon teflon/glass
 - Fingers for double side printed substrates
- Muffle in stainless steel
- Heating with ceramic panels.
 - 50% convection type and 50% for IR
- Conveyor system with electronic speed control
- 4 zones controlled by PDPI digital thermoregulators
 - Power solid state relays zero crossing
- "Venturi" system with adjustable flow for controlled exhaust and input/output curtains

OPTIONS

- Conveyor cleaning by water and ultrasonic system
- Temperature profiler
- UV Curing zone/s
- Automatic loading and unloading systems

Specification	A206/08	A206/12	A206/16	A206/20	A206/24
Belt width	200 mm	300 mm	400 mm	500 mm	600 mm
Speed range	0-200 mm/min				
Temperature	Up to 250°C				
Zones no.	4				
Power rating	12 Kw	16 Kw	20 Kw	24 Kw	25 Kw
Heated lenght	1800 mm			2500 mm	
IR wavelength	4-5 μ				
Heat-up-time	15-20 min				

Dimensions

Lenght	3300 mm				
Widht	600 mm	600 mm	700 mm	700 mm	850 mm
Height	1350 \pm 30 mm				
Approx. Weight	350 Kg	370 Kg	420 Kg	450 Kg	700 Kg
Utilities	400 V 3/N 50 Hz				
Air	Dry - 5 Ate - 100 N l/min				



Specification are subject to change without prior notice.

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