

Aurel Model A206

IR Dryer/Curing Oven system



A206

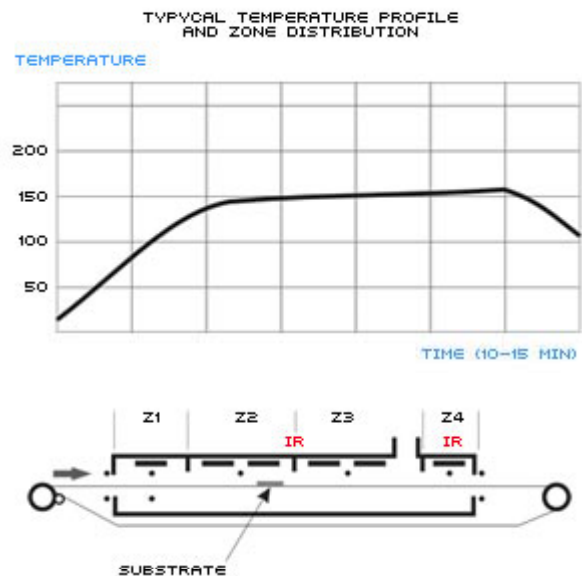
The AUREL A206 dryer system is designed for pre-drying of pastes in thick film technology. Prior to being submitted to be firing process, substrates with screened-on inks/pastes must be pre-dried to evaporate the solvents.

Infrared heat is the only 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 new model A206 pre-drying oven was designed to prevent the problems outlined.

It's design criteria are based on extensive experience in thick film technology, to provide the user with a machine that assures optimum results.



Standard Features

- Muffle, belt and many other part in stainless steel AISI 304.
- Conveyor system with D.C. motor and electronic control.
- Heating realized through ceramic elements far I.R. (no quartz lamps are used).
- 4 zones led digital reading controlled by PDPI thermoregulators.
- Vapours and smokes eliminations through "Venturi" system with adjustable flow.

Specifications	
Belt width	200 mm 300 mm 400 mm 500 mm
Speed range	0 to 2000 mm/min
Temperature	up to 250°C
Zones	no. 4
Power rating	12 kW 16 kW 20 kW 24 kW
Heated lenght	1500 mm
I.R. wavelenght	4 to 5 µm
Heat-up time	15 to 20 min
Dimension	A206/08 A206/12 A206/16 A206/20
Lenght	3300 mm
Width	600 mm 600mm 700 mm 700 mm
Height	1350 ± 30 mm
Approx. weight	weight 350 Kg 370 Kg 420 Kg 450 Kg
Utilities	380 V 3/N - 50 Hz
Air Dry	5 ATE - 100 N It/min