

infrared heating and drying systems

PROSES	Classic Convection Type Oven	Gas Infrared Type Oven
DRYING OVEN - 100°C	8-10 MINUTES	2-3 MINUTES
POWDER COATING CURING OVEN - 200°C	17-18 MINUTES	6-8 MINUTES
LIQUID PAINT DRYING OVEN- 120°C	20-30 MINUTES	5-10 MINUTES
THE OVEN START- UP TIME	45-60 MINUTES	10-15 MINUTES

CONVENTIONAL	INFRARED SYSTEM (IR)		
IN LONG PRE-HEATING TIME, BECAUSE OF THE PAINT FLOW ON THE WIDE SURFACES THERE ARE SOME NON-HOMOGENIC PAINT THICKNESSES. BECAUSE OF THE AIR CIRCULATION IN THE OVEN, FLYING POWDER COATING PARTICULES CAN CAUSE THE QUALITY PROBLEMS IN PAINTING. OCCUPIES LARGE PAINTING OVEN AREAS. OCCUPIES LARGE PAINTING OVEN AREAS.	* SHORT PRE-HEATING TIME * QUALITY SURFACE IMAGE * POSSIBILITY TO CURE THE PAINT IN A SMALL AREA AND IN A SHORT TIME * OVENS STAY CLEAN		
	ELECTRICAL	GAS	
	*HIGH ENERGY CONSUMPTION * SHORT OPERATING LIFE	* LOW ENERGY COSTS	
		OPEN FLAME TYPE	FLAMELESS TYPE
	* RISK OF FIRE * BECAUSE OF THE QUICK HEATING THERE ARE PINHOLES ON THE SURFACE OF THE PAINT * HIGH EMISSION TO THE ATMOSPHERE	* NO RISK OF FIRE * HIGH PERFORMANCE BURNING, LESS GAS CONSUMPTION * HIGH EFFICIENCY * LOW ATMOSPHERIC EMISSION	

Infrared heaters used for curing Powder Coating and Liquid Painting completely; It provides space and energy saving by curing efficiently and in a short time.

The infrared heater, creates molecular motion in the paint and surface coating without heating the complete material and air in all the places needed. In this radiation-based heating, the painted product which is wanted to be adhered is not fully heated but the heating occurs on the metal surfaces depth depending on the heat conductivity coefficient of the product.