

Forced Convection Oven

220 °C | Larger Chamber

LAB1ST FCO220 Industrial Forced Air Oven delivers large-capacity thermal processing with 2-4 m³ workspace and exceptional temperature uniformity ($\pm 1.5^{\circ}\text{C}$). Engineered for industrial-scale applications, its double-door design accommodates oversized samples while maintaining precise PID control. The 7-inch smart touchscreen, polished stainless steel interior, and heavy-duty casters support efficient handling of bulk materials.



Features

- > **High-Temperature Design: 7-inch Smart Touchscreen Control** with intuitive menu navigation for quick temperature and time parameter setting
- > **Polished stainless steel interior** with argon arc welding technology and external steel panel for durability and modern appearance
- > **Microcomputer PID Temperature Controller** with timing function ensures precise and reliable temperature control
- > **Advanced Air Circulation System** with high-temperature resistant fan and optimized air duct design improves temperature uniformity ($\pm 1.5^{\circ}\text{C}$ at 100°C)
- > **High-temperature Synthetic Silicon Seal** ensures long service life and easy replacement
- > **Adjustable Air Intake and Exhaust** control from the operation panel
- > **Independent Over-temperature Protection System** automatically cuts off power when temperature exceeds limits
- > **Double-door Design** facilitates loading of large samples
- > **Standard Universal Casters** provide flexible mobility

Specification

Model	FCO220-2150L	FCO220-2850L	FCO220-3400L
Volume	2150 L	2850 L	3400 L
Temperature Range	RT+10~220°C		
Temperature Control	PID Control		
Control Accuracy	±0.5°C		
Temperature Uniformity	±1.5°C (@100°C)		
Operation Interface	7-inch Color Touchscreen		
Power Supply	380V/50Hz		
Power Consumption	8.5 kW	10 kW	11.5 kW
Timer Function	Standard		
Alarm System	High/Low Temp Alarm		
Door Structure	Double-Door Design		
Internal Dimension (W×D×H) mm	1400×1120×1350	1880×1120×1350	2250×1120×1350
External Dimension (W×D×H) mm	1750×1350×2060	2230×1350×2060	2600×1350×2060

Options



FCO-RS485

RS485 interface and communication software



FCO-Printer

Embedded printer



FCO-DataExport

USB data storage and export



FCO-Reinf. Shelves

Reinforced Shelves (for heavier loading capacity)