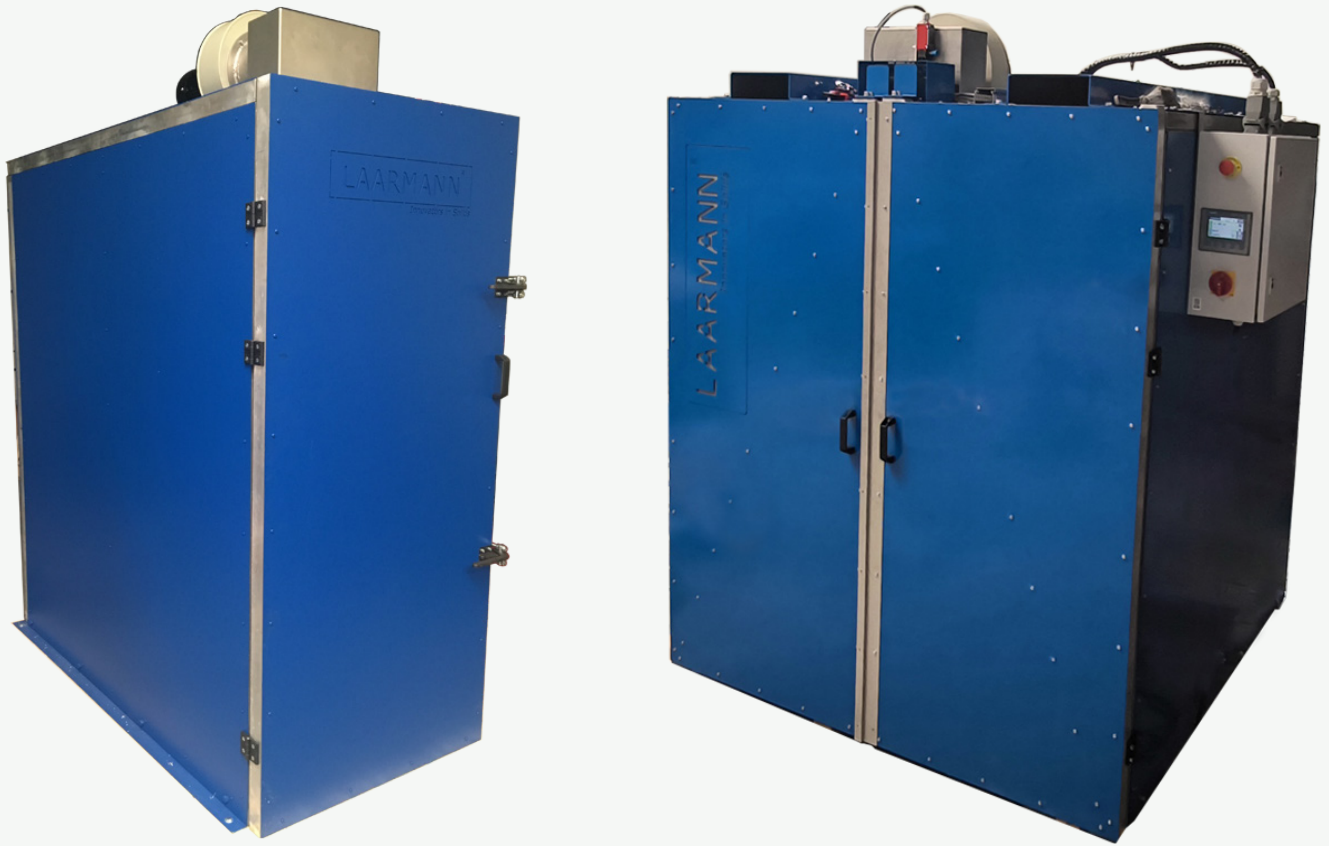


Sample Preparation

DRYING OVEN LM-HAD



HIGH QUALITY HOT AIR CABINETTS WITH 2.5, 5
OR 10 M³

Features and benefits

- Solidly constructed welded steel frame of heavy gauge rectangular hollow section steel tube clad internally with grade 304 stainless steel and externally with zinc anneal sheeting.
- Acoustic Noise Reduction vibration damping composite material.
- External surfaces of the cabinet are powder coated
- The cabinet is designed for optimized air circulation
- The floor of the cabinet is of 5mm steel plate
- Digital programmable control panel
- Large diameter, heavy duty industrial castor wheels are fitted to assure the trolley can be readily rolled in and out of the cabinet
- Trolleys with heavy duty wire mesh racks

Well proven, high reduction drying ovens with 2.5, 5 or 10 m³

LAARMANN offer various standard sizes of well proven electrically heated ovens that have been specifically designed to withstand the corrosive environment inherently created within them by the combination of high temperature, moisture and often chemically active atmosphere created by the drying process.

Each is supplied as standard with one or more wheeled trolleys incorporating a number of heavy duty wire mesh racks on which the samples to be dried are placed.

Moisture within the cabinet is prevented from passing through the internal walls to corrode the cabinet's framework by a combination of the use of "blind" stainless steel rivets and specific sealing of all internal joints. Robust refrigeration style handles are fitted to the cabinet door/s which allow external and internal operation.

Method of operation

A stainless steel fan assembly is integrated in to the cabinet in a manner which assures the moving air within it is constantly recirculated over the electric heating elements and is evenly distributed within the cabinet.

Manually adjustable inlet and outlet vents are provided to allow the air flow through the cabinet to be controlled for optimum drying performance.

Each oven is supplied as standard with digital temperature controls incorporating automatic over temperature control with separate thermocouple and mechanical thermostat circuit

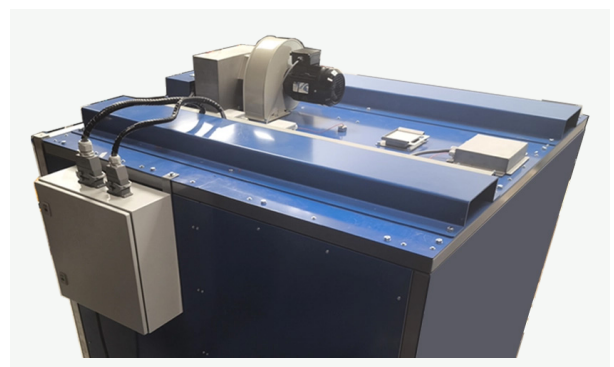
High operator convenience and maximum safety

The cabinet is easy to clean. The cabinet has a robust refrigeration style handle for ergonomic closing of the door. The trolleys with industrial castor wheels ensures the convenient filling of the cabinets.

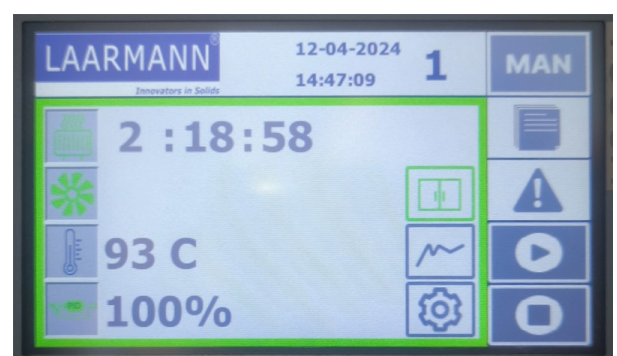
The heating parameters are programmable via an external digital display.



LMHAD10000 side view



LMHAD5000 top view



LMHAD control panel

Advantages of the LM-HAD Series

The special LAARMANN Flat-Pack-Design allows the effortless transport and installation of the high capacity cabinetts and trolleys.

And subsequently reduces transportation and handling costs. The ovens and trolleys are easily demountable. This prevents from big effort for placing the oven like wall penetrations which is very often necessary for solutions from other vendors.

Accessories

A wide range of sample vessels made from stainless steel are available



LMHAD2500 with trolley and trays



close view of stainless steel trolley and trays

Applications

- Soil samples
- Drill core
- Mineral samples
- Heating up of drums
- Agriculture samples



Technical specifications

	LMHAD2500	LMHAD5000	LMHAD10000
Applications	Soil samples, drill core, mineral samples, heating up of drums, agriculture samples		
Working principle	Drying with hot air		
Internal volume	2.5 m ³	5.2 m ³	10.1 m ³
Number of trolleys	1 x 6 shelves (customizable)	2 x 6 shelves (customizable)	4 x 6 shelves (customizable)
Temperature setting	20° - 120°	20° - 120°	20° - 120°
Setting adjustment method	digital control panel	digital control panel	digital control panel
Consumable material	standard steel	standard steel	standard steel
Trays sizes	65mm deep	65mm deep	65mm deep
Power	12 kW	12 kW	24 kW
Power supply	3x400V, 50Hz	3x400V, 50Hz	3x400V, 50Hz
Fan power details	0.75kW, 1phase 230V 50Hz, 3phase 230/400V 50Hz	0.75kW, 1phase 230V 50Hz, 3phase 230/400V 50Hz	0.75kW, 1phase 230V 50Hz, 3phase 230/400V 50Hz
Electrical requirements	2,2 kW	2,2 kW	2,2 kW
Power connection	3 phase	3 phase	3 phase
Standard	CE	CE	CE
Protection code	IP40	IP40	IP40
Weight	950kg	2000kg	3000kg
Dimensions (width x length x height)	1920 x 1760 x 2260 mm	1920 x 1760 x 2260 mm	3697 x 1775 x 2255 mm