

LEOSMAK · INDUSTRIAL

LEO-600

Up to 600 kg per batch capacity, the LEO-600 Industrial Freeze Dryer is delivered as a fully customized project, with advanced technology and comprehensive service for large-scale operations.



BATCH CAPACITY

600 kg

AVG. ENERGY USE

13 kWh / h

SHELF AREA

61.49 m²

APPLICATIONS

Freeze-Drying for Fruits & Vegetables

Freeze-Drying for Nutraceuticals & Supplements

CE marked

Built in EU

Why choose the LEO-600

- ✓ **Highest-demand industrial operations** — the largest LEO, delivered as a tailored project.
- ✓ **Up to 600 kg per batch** — maximum LEO freeze-drying capacity.
- ✓ **Configured around your line** — designed and delivered to your production needs — and your proven LEO recipes scale straight in.
- ✓ **Heavy-duty & automated** — industrial-grade construction for long-term reliability, with intelligent controls that minimise manual work.

CAPACITY & OUTPUT

Batch capacity (fresh load)	600 kg
Ice condenser capacity	900 kg
Total shelf area	61.49 m²
Number of shelves	22
Number of trays	176
Tray size	GN 2/1, 2-4 cm

PROCESS & CYCLE

Shelf temperature range	-45 to +70 °C
Min. condenser temperature	-45 °C
Defrosting	Automatic
Defrost time	Configuration-dependent

VACUUM & REFRIGERATION

Vacuum pump type	Oil-free (standard)
Refrigeration type	Air-cooled
Refrigerant	R-448A

CONTROL & MONITORING

Control system	LCD touchscreen + Wi-Fi
Menu language	English
Data logging & recipes	Wi-Fi app monitoring
Remote monitoring	Yes

BUILD

Chamber material	AISI 304 stainless steel
Shelf material	Stainless steel
Body color options	Stainless steel

POWER & FOOTPRINT

Power supply	380 V / 3~ / 50 Hz
Connected load	95 kW
Energy consumption (avg)	13 kWh/h
External dimensions (W × D × H)	2000 × 3000 × 2200 (+ MCU) mm
Net weight	7400 kg

WARRANTY & SERVICE

Warranty	24 months (extendable to 36)
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Recommended accessories

176× Stainless steel tray GN 2/1 20 mm for LEO-600 Fits: LEO-600

176× Stainless steel tray GN 2/1 40 mm for LEO-600 Fits: LEO-600

AMARU Mineral oil for vacuum pump 10 L Fits: All

AMARU Mineral oil for vacuum pump 20 L Fits: All

AMARU Viktor – Ozone decontaminator

More accessories are available in our online store — follow the QR code.



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Scan for live specifications, current pricing and to request a quotation.