

LEOSMAK · INDUSTRIAL

LEO-300

Up to 300 kg per batch capacity. The LEO-300 Industrial Freeze Dryer is delivered as a tailored project with full-service support, offering advanced technology and high-throughput performance.



BATCH CAPACITY

300 kg

AVG. ENERGY USE

6.5 kWh / h

SHELF AREA

32.48 m²

APPLICATIONS

Freeze-Drying for Fruits & Vegetables

Freeze-Drying for Nutraceuticals & Supplements

CE marked

Built in EU

Why choose the LEO-300

- ✓ **Large-scale industrial projects** — sold as a fully supported project: consultation, delivery, installation and training.
- ✓ **Up to 300 kg per batch** — for large-scale industrial applications.
- ✓ **Configured around your line** — we optimise shelf configuration, process parameters and setup with you — and your proven LEO recipes scale straight in.
- ✓ **End-to-end automation** — intelligent control with full remote access and minimal manual intervention.

CAPACITY & OUTPUT

Batch capacity (fresh load)	300 kg
Ice condenser capacity	450 kg
Total shelf area	32.48 m²
Number of shelves	30 (2 × 15)
Number of trays	90
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	45 kW
Energy consumption (avg)	6.5 kWh/h
External dimensions (W × D × H)	2000 × 2000 × 2200 (+ MCU) mm
Net weight	6500 kg

WARRANTY & SERVICE

Warranty	24 months (extendable to 36)
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Recommended accessories

96× Stainless steel tray GN 2/1 20 mm for LEO-300 Fits: LEO-300

96× Stainless steel tray GN 2/1 40 mm for LEO-300 Fits: LEO-300

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.