

LEOSMAK · COMMERCIAL

LEO-030L-D

Up to 45 kg per batch capacity. The LEO-030L Performance Freeze-dryer offers more shelves, higher throughput, and fully automated operation with remote monitoring and intuitive controls.



BATCH CAPACITY

45 kg

AVG. ENERGY USE

2.4 kWh / h

SHELF AREA

5.15 m²

APPLICATIONS

Freeze-Drying for Fruits & Vegetables

Freeze-Drying for Confectionery

Freeze-Drying for Ready Meals & Snacks

Freeze-Drying for Nutraceuticals & Supplements

CE marked

Built in EU

Why choose the LEO-030L-D

- ✓ **Commercial production, more per cycle** — more shelves in the same footprint for higher-throughput lines.
- ✓ **Freezes in the chamber, scales up** — radiant freeze-and-dry with no blast freezer, and recipes that carry straight to LEO industrial units.
- ✓ **Up to 45 kg per batch** — 13 shelves — more product per cycle without a bigger footprint.
- ✓ **Connected, hygienic, sustainable** — touchscreen, Wi-Fi monitoring, notifications and OTA updates. 100% stainless, fully washable.

CAPACITY & OUTPUT

Batch capacity (fresh load)	45 kg
Ice condenser capacity	70 kg
Total shelf area	5.15 m²
Number of shelves	13
Number of trays	26
Tray size	GN 1/1, 2 cm

PROCESS & CYCLE

Shelf temperature range	-45 to +70 °C
Min. condenser temperature	-45 °C
Defrosting	Automatic
Defrost time	45 min (fast defrost)

VACUUM & REFRIGERATION

Vacuum pump type	Oil-sealed (oil-free option)
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 (220 V opt.)
Connected load	7.5 kW
Energy consumption (avg)	2.4 kWh/h
External dimensions (W × D × H)	800 × 1850 × 1800 mm
Net weight	657 kg

WARRANTY & SERVICE

Warranty	24 months (extendable to 36)
----------	-------------------------------------

Recommended accessories

AMARU Mineral oil for vacuum pump 10 L Fits: All

AMARU Mineral oil for vacuum pump 20 L Fits: All

AMARU Viktor – Ozone decontaminator

Stainless steel tray GN 1/1 20 mm Fits: LEO-010, LEO-010L, LEO-030, LEO-030L

26× Stainless steel tray GN 1/1 20 mm for LEO-030L Fits: LEO-030L

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



+34 614 332 324 team@freeze-drying.tech freeze-drying.tech

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