

LEOSMAK · COMMERCIAL

LEO-030

Up to 30 kg per batch on 16 GN 1/1 trays, 3.17 m² of shelf area. Fully automatic commercial freeze dryer in AISI 304 stainless steel, washable inside, with Wi-Fi monitoring and Fast Defreeze in about an hour.



BATCH CAPACITY

30 kg

AVG. ENERGY USE

2.4 kWh / h

SHELF AREA

3.17 m²

APPLICATIONS

Freeze-Dryers for Fruit and Vegetables

Freeze-Dryers for Pet Food Production

Freeze-Drying for Nutraceuticals & Supplements

CE marked

Built in EU

Why choose the LEO-030

- ✓ **Commercial production:** for established food production lines.
- ✓ **Freezes in the chamber, scales up:** radiant freezing and drying with no blast freezer, using the same recipe logic as the industrial LEO units.
- ✓ **Up to 30 kg per batch:** 8 shelves, 16 trays, 3.17 m² of shelf area.
- ✓ **Connected and washable:** touchscreen, Wi-Fi monitoring, notifications and OTA updates. Stainless steel throughout, fully washable.

CAPACITY & OUTPUT

Batch capacity (fresh load)	30 kg
Ice condenser capacity	40 kg
Total shelf area	3.17 m²
Shelf size	365 × 1085 mm
Shelves	8
Trays	16
Shelf spacing	50 mm
Tray size	GN 1/1, 2-4 cm
Loading	Manual, cart possible

PROCESS & CYCLE

Shelf temperature range	-35 to +70 °C
Min. condenser temperature	-45 °C
Defrosting	Automatic, Fast Defreeze (standard)
Defrost time	≈60 min (depends on ice load)
Sweets mode	Yes, vacuum-drying mode for confectionery

VACUUM & REFRIGERATION

Vacuum pump type	Oil-sealed (oil-free on request)
Refrigeration type	Air-cooled
Refrigerant	R-448A

CONTROL & MONITORING

Control system	LCD touchscreen + Wi-Fi
Menu language	English
Data logging & recipes	Cloud admin panel: full cycle history, charts and data export · Wi-Fi app monitoring and notifications
Remote monitoring	Yes

BUILD

Chamber material	AISI 304 stainless steel
Shelf material	Stainless steel
Observation	Observation window
Body color options	Stainless steel
Max. noise level	65 dB(A) max. (DIN 45635)
IP protection	IP65 (DIN 60529)

POWER & FOOTPRINT

Power supply	400 V / 3~ / 50 Hz (230 V opt.)
Connected load	7.5 kW
Nominal power	4 kW
Mains fuse	16 A
Energy consumption (avg)	2.4 kWh/h
External dimensions (W × D × H)	800 × 1850 × 1800 mm
Net weight	581 kg

WARRANTY & SERVICE

Warranty	24 months (extendable to 36)
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Recommended accessories

16× Stainless steel tray GN 1/1 20 mm for LEO-030	Fits: LEO-030
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16× Stainless steel tray GN 1/1 40 mm for LEO-030	Fits: LEO-030
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LEO-030 Warranty extension – 3rd year	Fits: LEO-030
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AMARU Mineral oil for vacuum pump 10 L	Fits: all models
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AMARU Mineral oil for vacuum pump 20 L	Fits: all models
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More accessories in our online store: scan the QR code.



+34 614 332 324 team@freeze-drying.tech freeze-drying.tech
Scan for current specifications and prices, or to request a quotation.