

FROSTX · COMMERCIAL

FrostX 50

Up to 50 kg suggested load · 16 trays · 4.66 m² shelf area. Compact, all-stainless tray freeze dryer with two-stage oil pump, thermal-matrix heating and touchscreen control. Value-tier workhorse for established food producers scaling freeze-dried ranges. CE, 12-month warranty.



BATCH CAPACITY

50 kg

AVG. ENERGY USE

2.3 kWh / h

SHELF AREA

4.66 m²

APPLICATIONS

Freeze-Drying for Fruits & Vegetables

Freeze-Drying for Nutraceuticals & Supplements

Freeze-Dryers for Pet Food Production

CE marked

Built in EU

Why choose the FrostX 50

- ✓ **Deep-vacuum performance, all-stainless** — the largest FrostX — commercial-scale deep-vacuum capability in an all-stainless tray machine.
- ✓ **Up to 50 kg suggested load** — 16 trays, 4.66 m² shelf area.
- ✓ **Rectangular chamber — more shelf per volume** — a rectangular stainless chamber, uncommon at this size. Flat walls take full-width trays with no curved dead space, so more shelf area fits in the same chamber volume — more product per cycle.
- ✓ **Deep vacuum, even drying** — two-stage vacuum pump with oil-mist separator, thermal-matrix heating shelves, refrigeration rated for continuous operation.

CAPACITY & OUTPUT

Suggested max load	50 kg
Total shelf area	4.66 m ² (computed from trays × tray size)
Number of trays	16
Shelf spacing	4 cm
Tray size	53 × 55 cm

PROCESS & CYCLE

Defrost time	4 h
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VACUUM & REFRIGERATION

Vacuum system	Two-stage oil pump + oil-mist separator
Refrigeration	Continuous-duty system

CONTROL & MONITORING

Control	Touchscreen
Menu language	English

BUILD

Heating	Thermal-matrix shelves
Chamber	Rectangular stainless steel; insulated internal product chamber

POWER & FOOTPRINT

Power supply	400 V / 3~
Average energy consumption	2.3 kWh/h
External dimensions (W×D×H)	156 × 110 × 148 cm

WARRANTY & SERVICE

Warranty	12 months
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Recommended accessories

Set of 16 trays for FrostX 50 (53×55 cm)	Fits: FrostX 50
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AMARU Mineral oil for vacuum pump 10 L	Fits: All
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AMARU Mineral oil for vacuum pump 20 L	Fits: All
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AMARU Viktor – Ozone decontaminator

Leosmak High-Performance Vacuum Pump Oil	Fits: All Leosmak
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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.