

REFRIGERATION EQUIPMENT

PROPER COOLING
FOR YOUR EFFICIENT
STORE

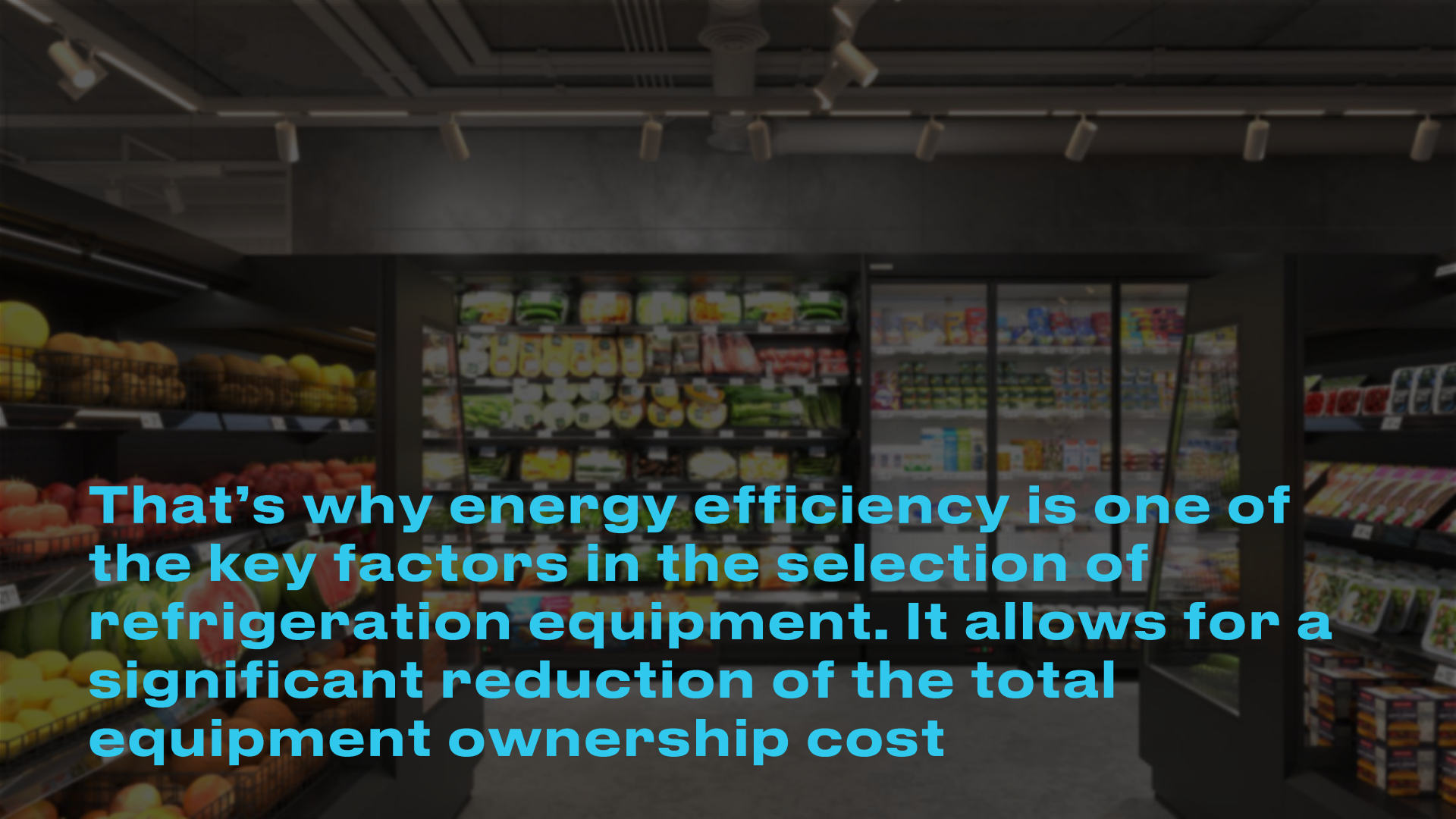
MODERN EXPO



In a food retail store, refrigeration equipment is the largest energy consumer, typically using between **40-50%** of the stores total electricity consumption*

At the same time **20%** cut in energy costs represents the same benefit as a **5%** increase in sales*

*<https://www.optimised.net/retail>

A dimly lit grocery store aisle. The ceiling is equipped with track lighting. The shelves are stocked with various products, including fresh produce like lemons and oranges, and refrigerated sections containing packaged goods. The overall atmosphere is dark and focused on the products.

That's why energy efficiency is one of the key factors in the selection of refrigeration equipment. It allows for a significant reduction of the total equipment ownership cost

A man in a blue and white checkered shirt is working on a server rack in a data center. He is holding a tool and looking at the equipment. The background shows rows of server racks and a person in a white shirt in the distance.

To prove the level of energy consumption and temperature mode, each Modern Expo cabinet is tested in climate chambers in accordance with international standards. Our testing laboratory is certified according to the ISO/IEC 17025:2017, which guarantees the declared technical characteristics of the equipment



COOLES SLIM PRO

Introducing the PRO range of multidecks — our most energy-efficient solutions running on eco-friendly refrigerant propane. With its large facing area and modern, chick design, this range is a perfect choice for small and medium-sized retail formats

VERTICAL MULTIDECK COOLESLIMDECK PRO

FEATURES:

- Reduced energy consumption by **65%** compared to standard multideck with doors
- Balanced temperature for products storage
- Increased service life due to stable compressor operation
- Low noise and heat emission level
- Plug&play
- Placed in a line or as a separate module

TECHNICAL SPECIFICATION:

- Temperature range: 3M1 (-1/+5)°C, 3M2 (-1/+7)°C, 3H1 (+1/+10)°C
- Refrigerant: R290
- Refrigeration system: Plug-in



VERTICAL FREEZER COOLES SLIMFREEZE PRO

FEATURES:

- **Reduced energy consumption by 50%** compared to the standard freezer
- **Built-in hot gas defrost system**
- **Can be installed in a line with cooling multidecks or as a separate unit**
- **Product-focused design**
- **Optimized internal space**

TECHNICAL SPECIFICATION:

- **Temperature range: 3L1 (-15/-18)°C, 3L2 (-12/-18)°C**
- **Refrigerant: R290**
- **Refrigeration system: Plug-in**





Another important aspect in the refrigeration equipment selection is environmentally friendly technologies

The whole range of refrigeration equipment by Modern Expo works on eco-friendly refrigerants which have low Global Warming Potential (GWP) and zero Ozone Depletion Potential (ODP)

COOLES SLIM QUADROS SLIM

Environmentally friendly equipment, specifically designed to meet the unique demands of small retail formats. A wide range of accessories allows you to satisfy any customer requests



VERTICAL MULTIDECK COOLEES SLIM DECK

FEATURES:

- Can be installed in a line or as a separate unit
- Large exposition area
- Open front with night curtains or glass door
- LED light as standard
- Patented built-in meltwater evaporator
- Natural defrost (no defrost heaters)
- Dedicated Fruit & Vegetables FRUTTERA shelf

TECHNICAL SPECIFICATION:

- Temperature range: 3M1 (-1/+5)°C, 3M2 (-1/+7)°C, 3H1 (+1/+10)°C
- Refrigerant: R290, R449a
- Refrigeration system: Plug-in, Remote



SEMI VERTICAL MULTIDECK COOLES SLIMSEMI

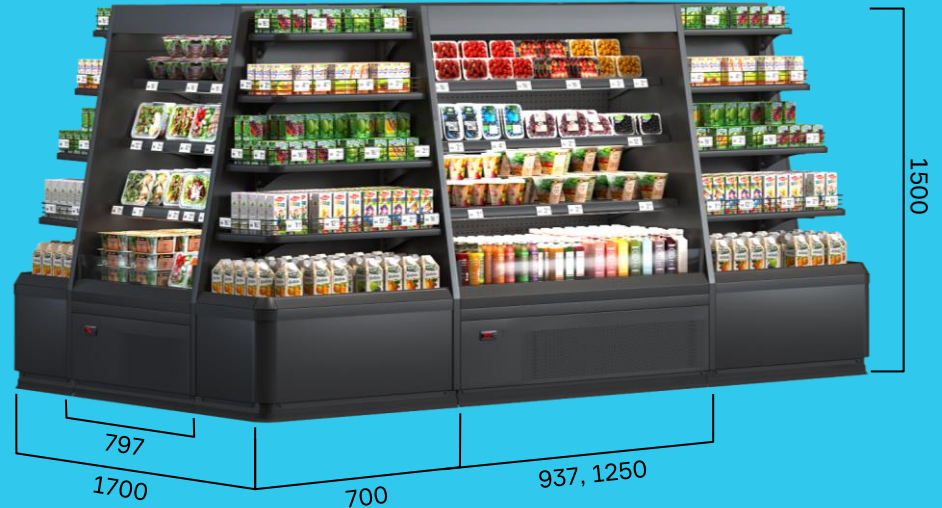


FEATURES:

- Can be installed in a line or as a separate island with integrated dry shelving
- Plug&Play solution
- Product-focused design
- LED light as standard
- Meltwater evaporator allows not to use a drainage system

TECHNICAL SPECIFICATION:

- Temperature range: 3M2 (-1/+7)°C, 3H1 (+1/+10)°C
- Refrigerant: R290
- Refrigeration system: Plug-in



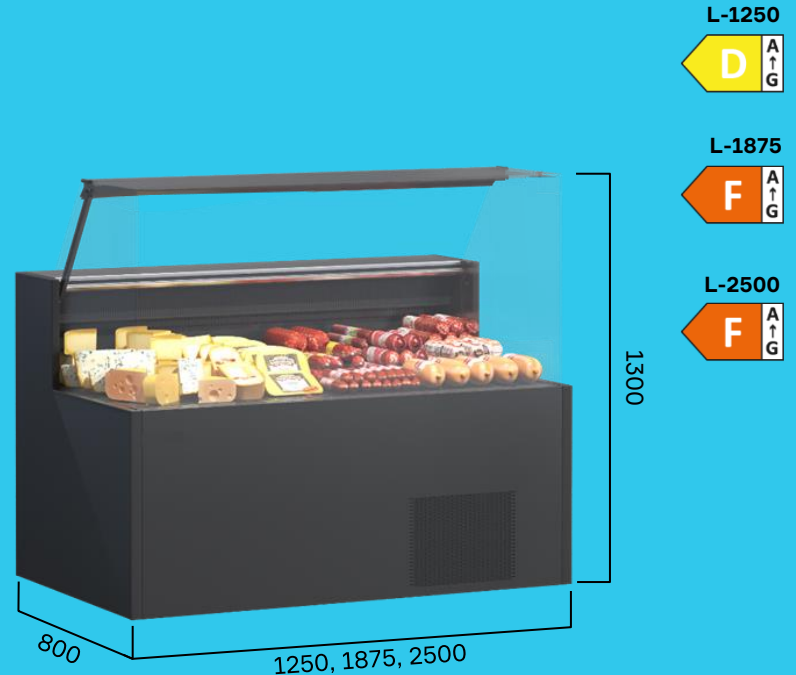
QUADROS SLIM SOLID

FEATURES:

- Maximal product visibility
- Ergonomic design
- Compact overall dimensions
- Functional tabletop for the seller
- Additional cooling understorage
- Meltwater evaporator allows not to use a drainage system
- Quick installation

TECHNICAL SPECIFICATION:

- Temperature range: 3H1 (+1/+10)°C
- Refrigerant: R290
- Refrigeration system: Plug-in



QUADROS SLIM CONF

FEATURES:

- **Compact overall dimensions;**
- **Dedicated solution for sweets&pastry sales**
- **Product-focused design**
- **Up to 3 height-adjusted shelves**
- **Additional shelf lighting**
- **Meltwater evaporator allows not to use a drainage system**
- **Sliding doors from the back for convenient product loading**

TECHNICAL SPECIFICATION:

- **Temperature range: 3H1 (+1/+10)°C**
- **Refrigerant: R290**
- **Refrigeration system: Plug-in**



The background image shows a modern grocery store interior. It features dark, minimalist shelving units filled with various products. The lighting is bright and focused, highlighting the products. The overall aesthetic is clean and contemporary.

Modern Expo secures the sustainable approach from the design stage onwards, using recycled or easy-to-recycle materials in cabinets production

Our approach is acknowledged by Bureau Veritas, who issued the CE certificates for all the refrigeration equipment from Modern Expo



COOLES QUADROS

These collections include various refrigerated units aiming to cover all the needs of medium and large-sized stores. These cabinets allow to demonstrate the assortment in the best way for customers and maintain the highest quality of products thanks to the proper temperature mode

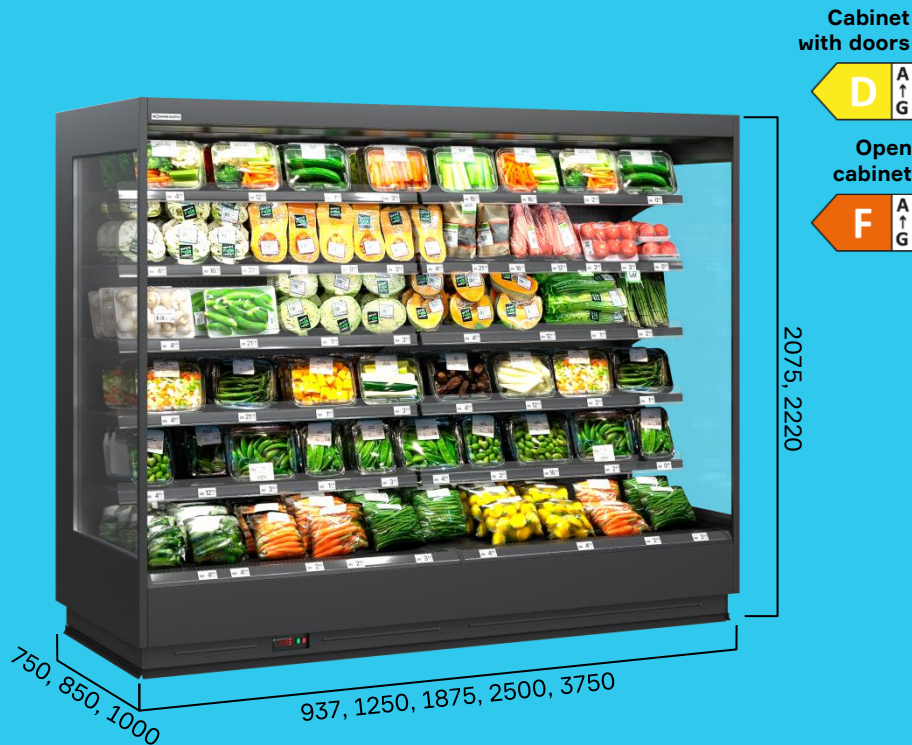
VERTICAL MULTIDECK COOLES DECK

FEATURES:

- Can be installed in a line or as a separate unit
- Large exposition area
- Open front with night curtains or glass door
- LED light as standard
- Natural defrost (no defrost heaters)
- Dedicated Fruit & Vegetables FRUTTERA shelf

TECHNICAL SPECIFICATION:

- Temperature range: 3M1 (-1/+5)°C, 3M2 (-1/+7)°C, 3H1 (+1/+10)°C
- Refrigerant: R449a
- Refrigeration system: Remote



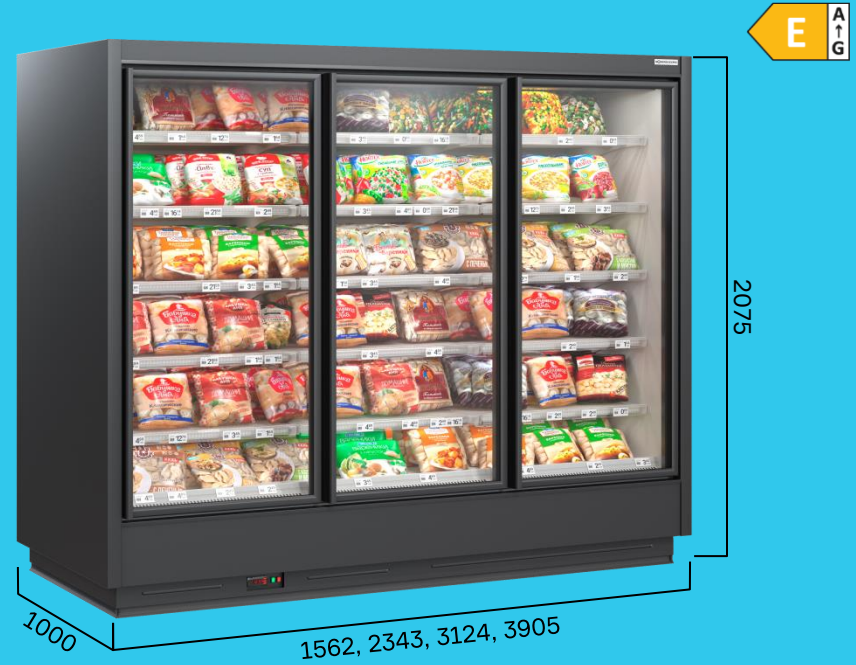
VERTICAL FREEZER COOLES FREEZE

FEATURES:

- Effective display of frozen products
- Can be installed in a line with cooling multidecks or as a separate unit
- Can be installed in a line with cooling multidecks or as a separate unit
- Product-focused design
- Optimized internal space

TECHNICAL SPECIFICATION:

- Temperature range: 3L1 (-15/-18)°C, 3L2 (-12/-18)°C
- Refrigerant: R449a
- Refrigeration system: Remote



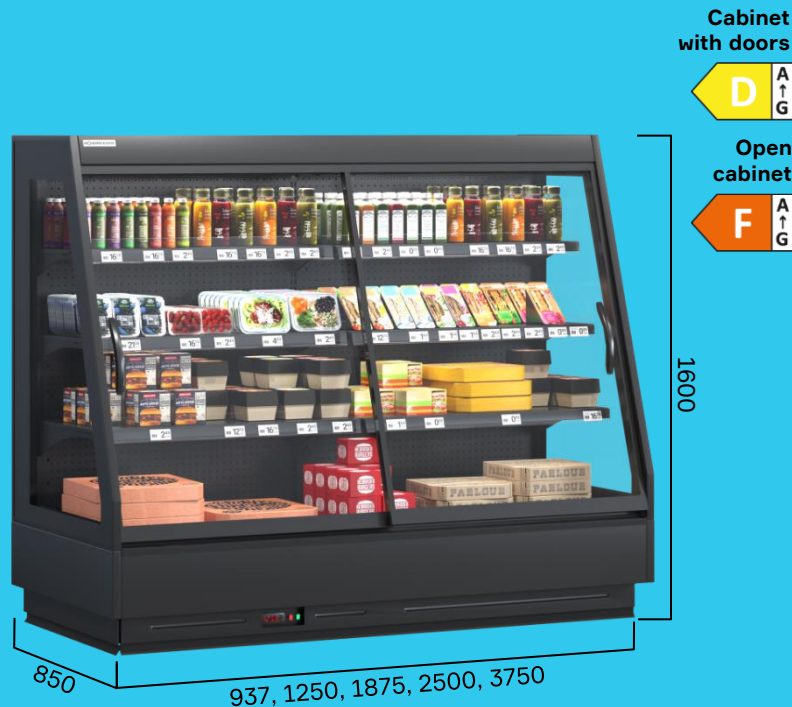
SEMI VERTICAL MULTIDECK COOLES SEMI

FEATURES:

- Can be installed in a line or as a separate island with end-cabinets
- Open front with night curtains or glass sliding door
- LED light as a standard option
- Natural defrost (no defrost heaters)
- Energy-efficient fans available

TECHNICAL SPECIFICATION:

- Temperature range: 3M1 (-1/+5)°C, 3M2 (-1/+7)°C, 3H1 (+1/+10)°C
- Refrigerant: R449a
- Refrigeration system: Remote



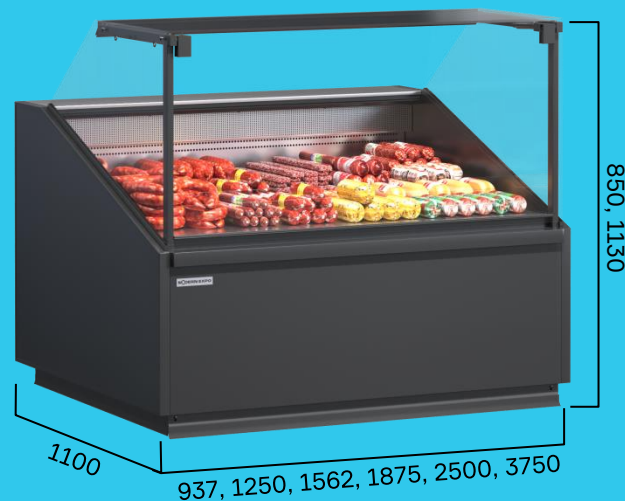
QUADROS

FEATURES:

- **Serve-over and self-service sales of different goods**
- **Lift-up or tilt-forward glass opening system**
- **Additional cooling understorage**
- **Functional tabletop for the seller**
- **Meltwater evaporator allows not to use a drainage system**

TECHNICAL SPECIFICATION:

- **Temperature range: 3M1 (-1/+5)°C, 3M2 (-1/+7)°C**
- **Refrigerant: R290, R449a**
- **Refrigeration system: Plug-in, Remote**



QUADROS SPECIAL

QUADROS COMBI



- 3M2 (-1/+7)°C
- R449a
- Remote

QUADROS PIZZA



- 3M2 (-1/+7)°C
- R449a
- Remote

QUADROS FISH



- 3M1 (-1/+5)°C
- R449a
- Remote

QUADROS NEUTRAL



- ambient

QUADROS WARM



- +60/+80°C

CASE STUDIES

PRIME CUTS

UAE

2022



ROSS MANN

POLAND

2021

DROBNE PRZYJEMNOŚCI?
ŻADNA SŁABOŚĆ!



SOLI

UKRAINE

2022



SOLI

UKRAINE

2022



CBA

HUNGARY

2021



SM MARKET

UKRAINE

2022



WINE TIME

UKRAINE

2021



CBA

HUNGARY

2021



CBA

HUNGARY

2022



FOOD STORY

UKRAINE

2021



LOKAL

MOLDOVA

2022



LOKAL

MOLDOVA

2022



GRONO

UKRAINE

2022



GRONO

UKRAINE

2022



ITALIAN FOOD

GERMANY

2021



OSNOVA

UKRAINE

2022



RYBAK

UKRAINE

2022



WAITROSE

UNITED KINGDOM

2019



WAITROSE

UNITED KINGDOM

2019



ABOUT US

M₂DERN EXPO

Today we have become a platform bringing together leading professionals into powerful teams of **R&D, IT, retail design, engineering**, etc., working in synergy to create the perfect retail of the future by **Modern Expo**.

 **MINT**

[IT]

 **SQUARES**

[DESIGN]

 **ENGINEERING**

[MACHINERY]

MODERN EXPO has been a top company in creation of modern retail for more than 20 years.



We are convinced that modern retail is a phenomenon encompassing a multilevel system of obtaining goods with the ultimate consumer. Today, it's not just the physical store space, but also the solutions for E-commerce, warehouses, logistics and integrated supply chain.



Modern Expo is **9** high-tech
PRODUCTION UNITS specializing
in different types of equipment. Our
manufacture is one of the most powerful in the
world, we provide mass replication in roll-outs
and ensure meeting each of our products with
European safety and quality standards (EN and
FEM).

MODERN GEOGRAPHY

A stylized map of Europe and the Middle East, rendered in white lines on a black background. The map shows the outlines of countries and major cities. Several cities are marked with a small white dot and labeled in white capital letters: LONDON, PARIS, BERLIN, WARSAW, LUBLIN, LUTSK, KYIV, and DUBAI. The text 'MODERN GEOGRAPHY' is written in large, bold, white capital letters at the top left of the image.

We supply our
products to more
than **75** countries

MODERN NUMBERS

2200 employees

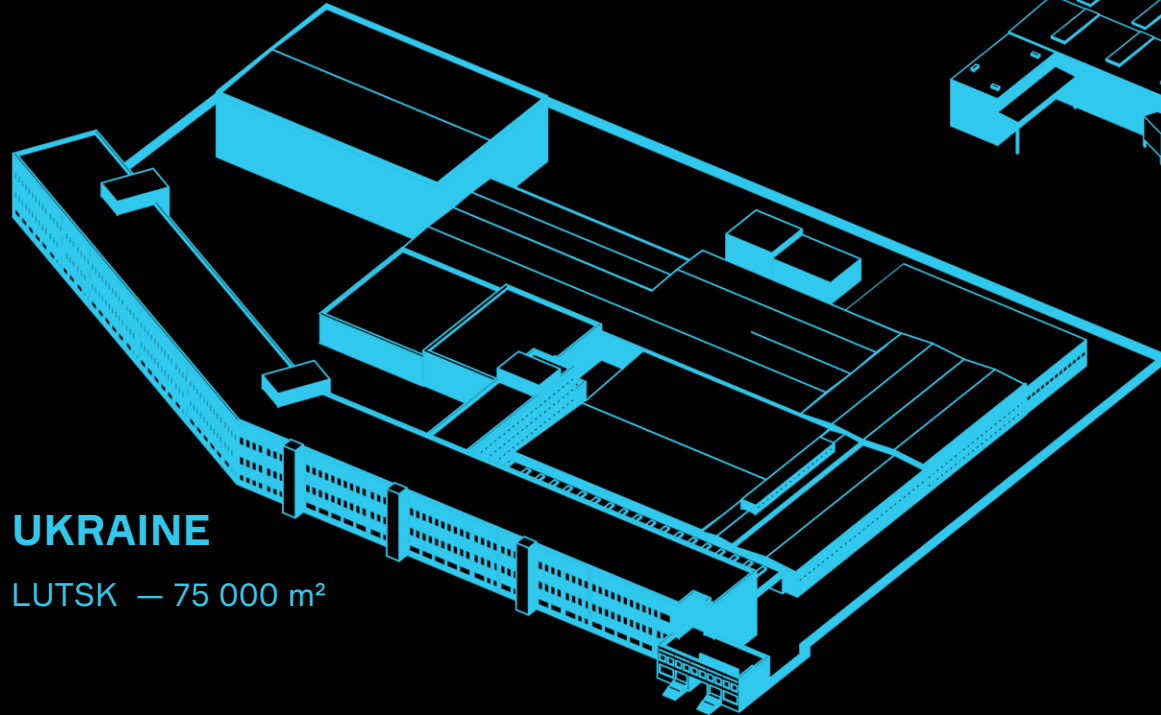
83 500 m² production facilities

100+ dealers

MODERN WORLDS

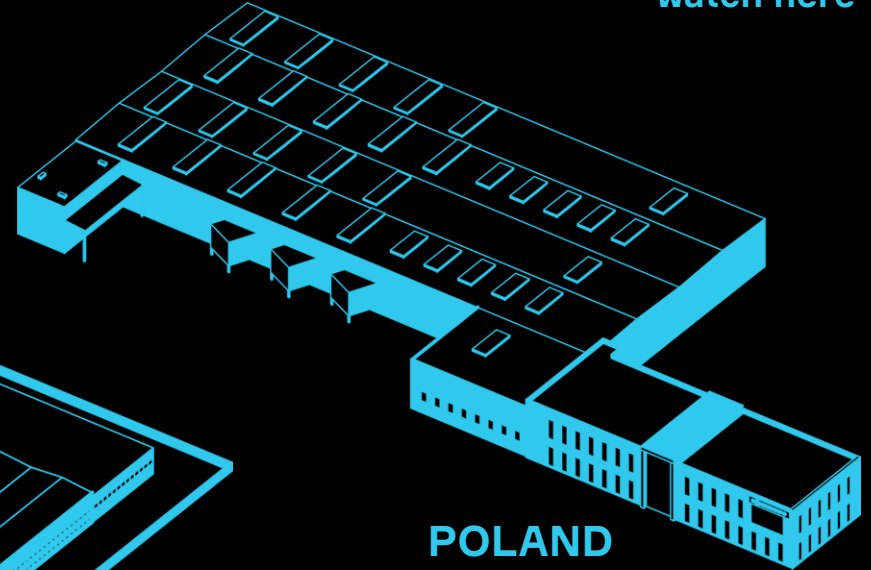


watch here



UKRAINE

LUTSK — 75 000 m²



POLAND

LUBLIN — 8 500 m²

MODERN CLIENTS

castorama



allegro

WAITROSE



Intermarché

zabka



SPAR



ATB

coop

أسواق التميمي
tamimi markets

صيدليات الدواء
al dawaa pharmacies
رعاية بلا حدود | Unlimited Care

REWE



METRO



DOLLAR \$ STORE
Mighty fine prices Every Day

araz

E.Leclerc



ROSSMANN

#WEAREMODERN

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