



INDUSTRIAL LABORATORY SOLUTIONS

Precise Measurement, Advanced Technology

2026
PRODUCT CATALOG

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▲ ABOUT US

YEK GLOBAL is Türkiye's solution partner in industrial laboratory technologies. With our YEKLAB brand, we empower the analysis and quality control processes of critical sectors ranging from energy to mining, and from food to construction chemicals.

Our product portfolio covers end-to-end solutions, from calorimeter systems to high-precision ovens, and from climatic test cabinets to laboratory consumables.

However, we do not just supply equipment; we design processes. With our engineering approach that analyzes real needs in the field, we offer the right equipment selection, fast commissioning, and uninterrupted operational support.

Our goal is clear: To carry your business's measurement accuracy and efficiency to international standards. With YEKLAB, there is no room for chance in your laboratory, only precise results.

REFERENCES (CLIENTS)



YEK 306

FULLY AUTOMATIC ISOPERIBOL CALORIMETER

Precise Results in Coal, Coke, and Biomass Analysis.

"Designed for the heavy workload of industrial laboratories, the YEK 306 manages all test processes from a single center with its advanced touch screen, without the need for an external computer. Simply place the sample, close the lid, and obtain clear results compliant with international standards (ISO/ASTM) within 15 minutes."



15 MINUTES
Fast Analysis Time



**NO AIR CONDITIONING
REQUIRED**
Operates
between **(+10°C .. +30°C)**

YEK 306 TECHNICAL SPECIFICATIONS

Fully Automatic Isoperibol Calorimeter



TECHNICAL SPECIFICATION	VALUE / DESCRIPTION
Model	YEK 306
Measurement Method	Automatic Isoperibol
Temperature Resolution	0.0001 K
Calibration	Calibration with Benzoic Acid / Heat Capacity Verification
Heat Capacity Stability	≤ 0.20 %
Test Duration	~15 Minutes
Water System	Automatic Water Filling and Draining
Ambient Temperature	+10°C .. +30°C
Display / Control	Integrated Color Touch Screen
Connection Requirement	PC Not Required (Plug & Play)
Power Supply	220V ±10%, 50Hz
Application Area	Coal, Coke, Fuel Oil, Biomass

YEK-S SERIES

SULFUR ANALYZER

The most economic and stable solution for your laboratory. It electrochemically measures sulfur dioxide gas released during sample combustion within a special glass cell solution. It delivers reliable results compliant with standards without requiring complex calibration procedures.



SPECIFICATION	VALUE
Analysis Method	Coulometric Titration
Analysis Time	3 Minutes
Measurement Range	0.01% - 10% (Expandable)
Standards	ASTM D4239, ISO 19579

YEK-M PRO

TOUCH SCREEN RAPID MOISTURE ANALYZER (HALOGEN TECHNOLOGY)

Reduce drying processes that take hours in classic ovens down to minutes. Thanks to its powerful Halogen Heating Technology, YEK-M PRO heats the sample homogeneously and instantly displays moisture content with 0.01% precision. The automatic stop mode ensures the operator does not need to wait by the device.



SPECIFICATION	VALUE
Capacity	110g / 0.001g Precision
Heating Source	Halogen Lamp
Analysis Time	10 - 15 Minutes
Temperature Range	40°C - 199°C
Display 5"	Color Touch LCD

DRYING AND STERILIZATION OVENS (ETUV) YEK-E SERIES

FORCED CIRCULATION ($\pm 1^\circ\text{C}$ Homogeneity with Fan System)

The ideal solution for fast drying and sterilization of mining, food, and chemical samples. The powerful fan system distributes hot air evenly inside the cabin, guaranteeing the same temperature on every shelf. It provides full protection against corrosion with its stainless steel internal structure.



Model Code	Internal Volume	Max. Temperature	Number of Shelves	Temperature Precision
YEK-E 50	50 Liter	250°C	2	$\pm 1^\circ\text{C}$
YEK-E 100	100 Liter	250°C	2	$\pm 1^\circ\text{C}$
YEK-E 250	250 Liter	250°C	3	$\pm 1^\circ\text{C}$
YEK-E 500	500 Liter	250°C	4	$\pm 1^\circ\text{C}$
YEK-E 1000	1000 Liter	250°C	5	$\pm 1^\circ\text{C}$

HIGH TEMPERATURE MUFFLE FURNACES YEK-MF SERIES

Uninterrupted Power from 1100°C to 1600°C

Developed for laboratory analyses, ash tests, sintering, and heat treatment processes. It ensures minimum heat loss thanks to its double-layer body structure and high-density fiber insulation. You can program the temperature with the intelligent PID control unit and manage your processes flawlessly.



Model Code	Max Temperature	Continuous Operation	Heating Element	Internal Volume (L)
YEK-MF 1100	1100°C	1050°C	Fe-Cr-Al Resistance	4L / 7L / 14L
YEK-MF 1200	1200°C	1150°C	Fe-Cr-Al Resistance	4L / 7L / 14L
YEK-MF 1300	1300°C	1250°C	SiC (Silicon Carbide)	4L / 7L / 14L
YEK-MF 1600	1600°C	1550°C	MoSi2 (Molybdenum)	4L / 7L / 14L

YEK-FTW SERIES

FREEZING AND THAWING TEST CHAMBERS IN WATER

Designed for TS EN 12371 and TS 699 standards, providing fully automated freezing and thawing cycles with intelligent water management and $\pm 0.1^\circ\text{C}$ precision.



FULL AUTOMATIC CYCLE



PRECISE TEMPERATURE CONTROL



FEATURE	VALUE
Temperature Range	$-25^\circ\text{C} \dots +45^\circ\text{C}$
Control Accuracy	$\pm 0.1^\circ\text{C}$ (Dual Probes)
Material	304 Quality Stainless Steel (Inner/Outer)
Cycle Control	1-250 or Infinite Repeat, Computer Controlled
Standards	TS EN 12371, TS 699

YEK-COOL SERIES

COOLED INCUBATORS

Wide temperature range and reliable cooling system designed for microbiology, food analysis, and plant biology studies.



UNINTERRUPTED PERFORMANCE FOR LOW-TEMPERATURE APPLICATIONS



FEATURE	VALUE
Volume	150 L / 250 L / 400 L
Temperature Range	$-10^\circ\text{C} \dots +60^\circ\text{C}$
Control System	PID Microprocessor
Internal Chamber	304 Stainless Steel

YEK-B SERIES

BACTERIOLOGICAL INCUBATORS

Designed for routine bacteriological cultures, hematology studies, and general microbiological incubations. It ensures reliable results with precise PID temperature control and homogeneous heat distribution. Features an easy-to-clean internal chamber and a user-friendly interface.



MODEL	VOLUME	SHELVES	CIRCULATION TYPE
YEK-B 50	50 L	2	Natural / Forced
YEK-B 100	100 L	2	Natural / Forced
YEK-B 150	150 L	3	Natural / Forced

YEK-CLIMATE SERIES CLIMATIC TEST CABINETS

Precise Stability Tests for Pharma and Industry

Developed for pharmaceutical stability tests (ICH Q1A), material aging, and industrial quality control processes. It simulates external environmental conditions exactly within a wide temperature and humidity range using a programmable PID control system.



Model Code	Volume	Temperature Range	Humidity Range	Control
YEK-CLIMATE 120	120 Liters	-20°C ... +80°C	20% ... 95% RH	PID Screen
YEK-CLIMATE 250	250 Liters	-20°C ... +80°C	20% ... 95% RH	PID Screen
YEK-CLIMATE 500	500 Liters	-20°C ... +80°C	20% ... 95% RH	PID Screen



YEK-FREEZE SERIES ULTRA LOW TEMPERATURE FREEZER (-80°C)

Maximum Security for Your Valuable Samples

Designed for the long-term storage of critical biological samples, cell lines, and vaccines. It ensures superior security with its dual-stage cooling system and high-density insulation.



Model Code	Volume	Temperature Range	Cooling System	Internal Material
YEK-FREEZE	136 Liters	-40°C ... -86°C	Dual Stage (Cascade)	Stainless Steel

YEK-FH SERIES INDUSTRIAL FUME HOOD

Maximum Protection Against Toxic

Instantly evacuates acid vapors and toxic gases. Provides maximum safety for the operator with airflow dynamics compliant with standards and a chemical-resistant inner surface.



**MAX PROTECTION
AGAINST
TOXIC GASES**

Model	Width	Work Surface	Fan Capacity	Lighting
YEK-FH 120	120 cm	Industrial Ceramic	1500 m³/h	LED Panel
YEK-FH 150	150 cm	Industrial Ceramic	1600 m³/h	LED Panel
YEK-FH 180	180 cm	Industrial Ceramic	1850 m³/h	LED Panel

YEK-BIO SERIES BIOSAFETY / PCR CABINET

99.999% Sterile Environment with HEPA Filter

Class II Type A2 protection class for microbiology studies. Isolates both personnel and the sample from risky microorganisms with its dual HEPA filter system (99.999% efficiency).



**99.999% STERILE
ENVIRONMENT
WITH HEPA FILTER**



Feature	Value
Protection Class	Class II, Type A2
Filter Type	2 x HEPA H14 (99.999% Efficiency)
Airflow	70% Recirculation / 30% Exhaust
Noise Level	< 58 dB (Silent Operation)
Sterilization	UV Lamp (254 nm)

YEK-FLOW SERIES VERTICAL LAMINAR FLOW

Sample Protection with Vertical Laminar Airflow

Designed for sensitive processes requiring high sterility. Protects the product against contamination by purifying the work area from particles with vertical HEPA airflow.



**SAMPLE PROTECTION
WITH VERTICAL LAMINAR
AIRFLOW**



Feature	Value
Airflow Direction	Vertical
Pre-Filter	G4 Washable Fiber
Main Filter	HEPA H14 (0.3 µm particle retention)
Work Table	304 Grade Stainless Steel
Side Walls	Tempered Glass (For Visibility)

MODERN LABORATORY WORKBENCHES

Instantly evacuates acid vapors and toxic gases. Provides maximum safety for the operator with The heart of your laboratory. Chemical and heat-resistant Compact Laminate or Industrial Ceramic surface options. Thanks to its modular structure (C-Frame or H-Frame), it can be customized according to the shape of your laboratory. chemical-resistant inner surface.



FEATURE	OPTIONS / VALUES
Carrier System	C-Frame / H-Frame / Pedestal Type
Work Surface	Industrial Ceramic / Compact Laminate / Epoxy Resin
Service Units	Electrical Socket, Gas Tap, Water Fixture, UPS
Sink Type	Polypropylene (PP) or Ceramic

STAINLESS STEEL LABORATORY TABLES

(Anti-Vibration & Sterile Area)

Manufactured from 304/316 quality stainless steel for sterile environments and food analysis laboratories. Thanks to its smooth surface, it does not harbor bacteria, is easy to clean, and resists corrosion.

*Load Capacity: 150 kg (Anti-Vibration Feet)



Model Code	Dimensions (W x D x H)	Material Quality
YEK-PM 120	120 x 75 x 90 cm	304 Stainless Steel
YEK-PM 150	150 x 75 x 90 cm	304 Stainless Steel
YEK-PM 180	180 x 75 x 90 cm	304 Stainless Steel

YEK-WD SERIES WATER DISTILLERS

High Purity Water for Laboratory Analysis

Produces high-quality distilled water free from impurities. Fully stainless steel construction ensures durability and easy cleaning. Ideal for autoclaves and sample preparation.



FEATURE	VALUE
Capacity	4 L/h / 8 L/h / 12 L/h
Material	304 Stainless Steel (Boiler & Condenser)
Safety	Low Water Level Protection
Control	Automatic Power Cut-off

ACID-BASE STORAGE CABINETS

Ventilated and leak-proof storage cabinets compliant with EN 14470-1 standards for the safe storage of corrosive, flammable, and toxic chemicals.



FEATURE	YEK-CH 90 (Single Door)	YEK-CH 120 (Double Door)
Width	90 cm	120 cm
Height	195 cm	195 cm
Body Material	Galvanized Steel + Epoxy	Galvanized Steel + Epoxy
Ventilation	Louvered / Fan Connection	Louvered / Fan Connection
Shelf Type	Leak-proof Containment Shelf	Leak-proof

YOUR LABORATORY'S POWERFUL SOLUTION PARTNER



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