

CE **KLABS Automatic Fibre Extraction System**



Product Description

KLABS KAFES-450 Automatic Fibre Extraction System is designed for efficient and automated fibre extraction with 6-position independent sample loading, advanced touch-screen control, integrated safety features and precise temperature regulation for laboratory applications.

Features

- 6-Position independent sample loading with individual mechanical controls
- 7-inch capacitive Full-HD touch display with advanced GUI
- Inbuilt scrubber for safe removal of fumes and vapors
- Chemical-resistant tubing and durable components
- Remote monitoring and control capability
- Integrated safety system with auto error alerts
- Efficient cold water condensation system
- Smart error detection and alarm functions
- Over-voltage, over-temperature and dry-run protection
- USB import/export with program manageme

Application/Uses

- Fibre Analysis Laboratories
- Food Testing Laboratories
- Agricultural Research Laboratories
- Feed Analysis Laboratories
- Quality Control Laboratories
- Research & Development Centers
- Academic Institutions
- Industrial Testing Laboratories



KAFES-450

Technical Specifications

Parameter	Specification
Product Name	Automatic Fibre Extraction System
Model Number	KAFES-450
Sample Size	0.1 to 4 g (depending on sample type)
Temp. Range Control	RT to 450°C
Temperature Accuracy	±0.5°C
Measuring Range	0.1% - 100%
Heat Source	Ceramic Infrared Heater
Crucibles	Sintered silica glass crucibles with P1 porosity disc (6 Nos.)
Extractor	Marked borosilicate extraction vessel
Temperature Control	PID with auto-tuning facility
Power Consumption	2800 W
Voltage	240V / 50Hz
Dimensions	710 × 515 × 680 mm