ANKOM TECHNOLOGY

ANKOM *FLEX* ANALYTE EXTRACTOR



AUTOMATE VITAMIN & FAT EXTRACTIONS

The ANKOM FLEX Analyte Extractor is a fully automated instrument, which integrates the steps commonly found in official wet chemistry analyses: digestion, extraction, and evaporation. The FLEX has been optimized to run all steps involved in the isolation of vitamin A, E, D & cholesterol, total fat analysis, and crude fat from food and feed.

IMPROVED PRECISION & ACCURACY

The entire procedure is performed in a nitrogen environment. Manual transfer steps are removed, thereby reducing handling error and controlling variables.

REDUCE LABOR

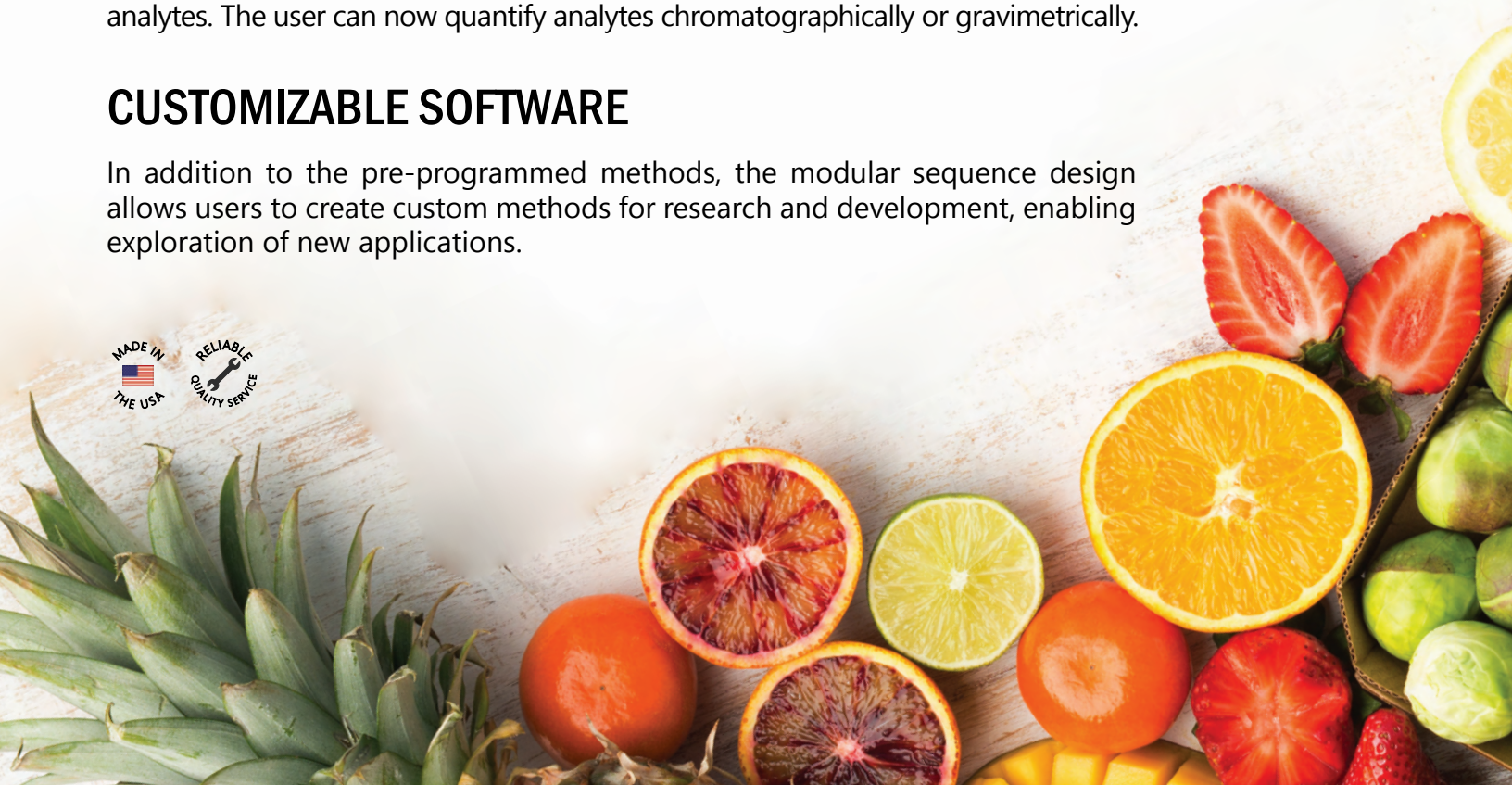
The FLEX eliminates manual liquid-liquid extractions. After the user measures sample into the digestion vessels, the automated method runs for two to three hours to yield isolated analytes. The user can now quantify analytes chromatographically or gravimetrically.

CUSTOMIZABLE SOFTWARE

In addition to the pre-programmed methods, the modular sequence design allows users to create custom methods for research and development, enabling exploration of new applications.

MADE IN THE USA

RELIABLE QUALITY SERVICE





SOFTWARE

The ANKOM FLEX Analyte Extractor has a touch screen and user-friendly interface. Time, temperature, and pressure are monitored and controlled at all times. The software enables custom method design and research capabilites.

Methods

Runs predefined and user-configurated custom methods

Diagnostics

Includes monitoring, calibration, and troubleshooting of the system

Records & Updates

Contains records of assays, faults, calibrations, and services



SPECIFICATIONS

SAMPLE TYPES	Validated for all nine sections of the AOAC NIST Food-matrix Triangle
# OF ASSAYS PER RUN	4 assays in 2-3 hours, ~16 per day, 80 in a 5-day week Up to 10g liquid or solid sample, depending on fat content
SAMPLE SIZE	Vitamin Analysis, 1-20 g sample, depending on sample type Fat Analysis, 0.25-1 g sample, depending on fat content

INSTRUMENT SPECIFICATIONS

DIMENSIONS	45.7 cm (18 in) L x 77.5 cm (30.5 in) W x 81.3 cm (32 in) H
WEIGHT	54.4 kg (120 lbs)
NITROGEN SUPPLY	5.5-6.9 bar (80-100psi)
VENTILATION	Closed system with exhaust lines ready to be connected to an exhaust system, eliminating under-hood instrument positioning
POWER REQUIREMENTS	220 V-240 V ~50/60Hz 8A, 100 V-120 V ~50/60Hz 15A
RESERVOIRS	Four reservoirs programmable by the user for the required solutions

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ANKOM TECHNOLOGY *Helping To Feed The World!*