



CLAISSE
THE FIRST AND FINEST IN FUSION®

KEEPING AHEAD THROUGH CLAISSE EXPERTISE IN SAMPLE PREPARATION BY FUSION

A class of its own



LE **neo**
FLUXER®

HOW TO REACH EFFICIENCY WITH CLAISSE EXPERTISE?



LE **neo**
FLUXER®

Claisse offers a global solution in sample preparation by fusion to improve efficiency in the laboratory. Our knowledge and experience combined with the reputation of PANalytical allow us to constantly innovate to fulfill our customers' needs as well as to help them obtain accurate and precise analytical results.



Consumables



Services



Expertise





CLAISSE

THE FIRST AND FINEST IN FUSION®

LeNeo® fusion instrument prepares glass disks for XRF analysis as well as borate and peroxide solutions for AA and ICP analysis. This automatic electric instrument has one fusion position and is easy to use. It guarantees safety for the operator as well as superior analytical performances in the laboratory.

PROCESSES

- Mining and geological samples
- Bauxites, alumina
- Chromites, cobaltite, dolomite, ilmenite, rutile, molybdenite
- Rare earth elements
- Potash, phosphates, fertilizers
- Cements, lime, limestone, carbonates, clay
- Catalysts, zeolites
- Cosmetic, pharmaceutical and environmental samples
- Sulfides, fluorides
- Hematite, magnetite, iron ores
- Refractories, silica, silicates, glass, ceramics
- Coal, ashes
- Steel, ferroalloys, slags
- Pure metals, non-ferrous alloys, silicon carbides
- Polymers, pigments, synthetic rubbers

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WHY INVEST IN LeNEO FUSION INSTRUMENT?

HIGH ANALYTICAL PERFORMANCE

- Heating chamber temperature up to 1200°C
- Repeatable (absolute control of the fusion temperature)
- High accuracy
- Controlled or maximum heating rate to optimize oxidation and fusion success rate

PROGRAMMABLE FUSION PARAMETERS

- Temperature
- Duration
- Heating rate
- Crucible rocking speed
- Cooling air flow
- Magnetic stirring speed for solutions
- 4 pouring modes

READY TO USE RIGHT OUT OF THE BOX

- Fully automatic one-touch operation
- Library of predefined fusion methods
- No training required for operation
- Easy loading of crucible, mold and beaker

ULTIMATE SAFETY

- Fully automated pouring
- No manipulation of hot vessels (cold-to-cold operation)
- Safety door that automatically locks during the entire fusion process

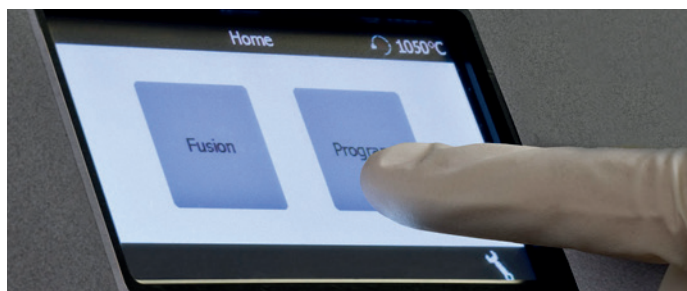
QUICK RETURN ON INVESTMENT (ROI)

Low cost of ownership

- 3 preparation modes in 1 instrument
- Easy routine maintenance
- Optimum uptime guaranteed
- Quick and easy replacement of internal refractory plates

Easy installation

- Small and compact: fits in limited space
- Simple electrical connection
- No O₂, compressed air or water cooling system needed



TECHNICAL SPECIFICATIONS



PRODUCTIVITY

- 1 fusion position
- Prepares glass disks for XRF analysis
- Prepares borate and peroxide solutions for AA and ICP analysis

HEATING

- Heating chamber temperature up to 1200°C
- Temperature monitored by a type R thermocouple located inside the heating chamber
- Heating chamber stability monitored by a type N thermocouple located between the refractory layers
- Resistance-based heating system

ELECTRICAL

- Voltage: 208-240 V
- Current: 20 A
- Frequency: 50-60 Hz

DIMENSIONS

- Height: 53.5 cm (21.1 in.)
- Depth: 58.5 cm (23.0 in.)
- Width: 55 cm (21.7 in.)

WEIGHT

- 33 kg (73 lb.)

CONTROL AND OPERATION

- One-touch operation
- Touch screen user interface
- Precise temperature display

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SOFTWARE AND COMMUNICATION

- Library of 10 predefined methods
- Programmable preheat and heat shut-off timers
- Remote troubleshooting
- Limitless program storage: 8G Compact Flash
- Ethernet external communication link
- 1 USB port

SAFETY

- User operation levels are protected by a password
- Safety door that automatically locks during the entire fusion process
- Certified CE CSA
- Conformal coated PCB for high corrosion resistance
- Meets UL 94-V0 flammability standard
- Meets RoHS requirements



Scan this QR code to obtain more information about LeNeo instrument.



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