

X-600 Fluxer

Six Position Electric Fusion Fluxer

Ideal station for
automatic fusion

Borate fusion is the chemical process by which **metal oxides** or **semi metal oxides** are dissolved into a borate flux to produce beads for XRF analysis or solutions for ICP or AA analysis.

The X-600 fluxer is the next generation in electric fusion offering new enhanced features for unparalleled results. Our fluxers combine exceptional fusion accuracy with all the advantages of electric power combined with speed, simplicity and a robust design for the experienced or novice user.

- Fully automatic
- Up to 24 samples per hour
- Work in safe area
- Dynamic control of the temperature
- Intuitive touch-screen interface



The process of fusion as a sample preparation method exhibits many advantages over other methods:

- no production of mineralogical effects,
- no grain size or orientation effects
- the result is perfectly homogenous.

Fusion is also capable of preparing samples that are very refractory, and otherwise hard to digest.



X-600 Fluxer Main Advantages



- 1** High performance furnace
 - heating elements impervious to flux
 - no exposed metal in furnace
 - heats up quickly
 - from 20 °C to 1200 °C
- 2** Integrated auto-locking safety shield protects the user during the fusion process.
- 3** Low noise level during heating, melting and cooling.
- 4** Easy clean, ceramic mold holders insert to flux. Mold holder system is user-configurable to 30, 32, 36 or 40 mm molds.
- 5** Extraction chimneys allows for direct ventilation of halogens from each crucible position.
- 6** Control panel is adjustable to user's height and features a USB connection to firmware updates.

Method development program

Our method development program allows us to send your samples to us and our application chemists will develop a fusion protocol for you.

Platinum ware and fusion flux

Our platinum crucibles and molds are available standard or reinforced varieties. Various mold sizes are available including 30 mm, 32 mm, 35 mm and 40 mm. Our Fusion flux is superior micro-bead and pre-fused. Its available with or without integrated non-wetting agents (LiBr or LiI).