

VITRIOX® ELECTRIC

The VITRIOX® ELECTRIC is a fully automatic fusion machine with cold to cold operation for 1, 2, 4 or 6 samples (1 sample at a time). It is ideal for demanding quality control, method development and special applications due to its high flexibility and precision.



EU Patent: 2 901 131
US Patent: 9 651 463
JP Patent: 6 322 633
AU Patent: 2 013 322 930
CA Patent: 2 886 103



Highest precision:

- closed oven with lift bottom for precise temperature control
- unique high speed 3D rotation for agitation
- equal temperature distribution



Applications:

- complete XRF solutions with a wide range of calibrations
- volatile element analysis
- use of quartz crucibles
- use of lids



Service:

- expert laboratory and international service team support
- installation and maintenance online courses



Flexibility:

- modular design
- continuous operation



Comfort:

- autosampler handles samples automatically
- sample observation via mirror
- touch display with easy to use software and USB port
- ready for LIMS



Safety:

- casting dish monitoring
- flux resistant **FLUXinert®** ceramics
- safety housing with autolock function



Optional stations for ICP sample preparation



Special Application: Use of quartz crucibles



Autosampler handles samples automatically

Technical Data	VI-0001-2	VI-0001-4	VI-0001-6
Stations:	2 XRF / ICP	4 XRF / ICP	6 XRF / ICP
Voltage:	230 V/50-60 Hz	230 V/50-60 Hz	230 V/50-60 Hz
Power:	3000 W	3000 W	3000 W
Power Supply:	1~ AC / 16 A	1~ AC / 16 A	1~ AC / 16 A
Temperatures:	0 - 1,250 °C	0 - 1,250 °C	0 - 1,250 °C
Permiss. Air pressure:	6 bar	6 bar	6 bar
Air consumption:	max. 1.5 m³/hr	max. 1.7 m³/hr	max. 1.9 m³/hr
Protection category:	IP 20	IP 20	IP 20
Length:	1360 mm	1380 mm	1540 mm
Width:	760 mm	760 mm	760 mm
Height:	885 mm	885 mm	885 mm
Weight:	~ 120 kg	~ 135 kg	~ 150 kg
Samples per h:	4	5	6