

autofluxer® plus

The first fusion machine with automatic temperature setting, measurement and digital display



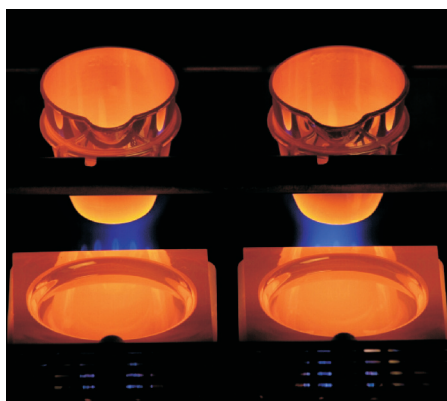
Technical Features autofluxer® plus

- **Temperature display:** Separate for each station in all process stages
- **Temperature stability:** Reproducible operating with 1 or 2 or 3 or 4 stations
- **Temperature setting:** As per application program via PLC
- **Temperature ramping:** Warming, level 1, level 2, level 3 or one level direct
- **Recipes:** 1 + 9 individual programs with cycle times and temperatures
- **Separate heating of molds independent of fusion cycle - Pt life extension**
- **Setting of swirling, pouring and cooling cycles independently**
- **PLC Siemens S7 compatible:**
 - Error messages display on programming
 - Display of gas/oxygen bottles running low
 - Various interface connections
 - Multi-level password access

Technical Features

autofluxer® plus

www.breitlander.com



The **autofluxer® plus** fusion machine is the latest development of the proven **autofluxer®** standard machine in the same compact design and with its special technical features

A fully automatic machine casting forward to prepare XRF beads with optional casting possibility backwards to prepare solution samples for ICP/AAS – 8 stations XRF + ICP in one machine

Mould sensors for each XRF station, preventing unintended start of melting cycle on a station without mould in place, takes 32 or 40mm moulds*

Advanced agitation function – circular, slightly vertical, forward, backward, pausing, time and speed adjustable

Automatic and reproducible computer controlled flame temperature setting from 800°C to 1650°C with digital temperature display of each station during the complete process

Automatic shut down at over-temperature to protect Pt-ware and against unintended high temperature setting

Simple self locking crucible holder – no repair of any mechanism or pneumatics

Restricted access capability for different technical levels of expertise – for the operator and the expert

Defined positioning of crucible over burner – for melting and pouring into mould or center of beaker

ICP/AAS solution module with up to 4 stations easily attachable to XRF unit without any tools

Solution module with integrated individual speed controlled magnetic stirrers, waterproof, all stainless steel with 150ml PTFE beakers and stirrers

Possibility of manual program override during operation - program reset any time via start/stop button

Operational safety by minimum of movable parts, emergency shut off, gas leakage shut off, overheating shut off, lockable flame control unit, XRF-station shut off via mould sensors, flame control by temperature sensors, LED status display, full text display information of gas and oxygen bottles running low

This machine is especially designed for routine analysis, when reproducible melting conditions for various materials with specific fusion parameters are required, independent whether the machine is operating with 4 stations or in between for some single sample on 1 or 2 stations only

autofluxer® plus - the automatic fusion machine, which shows the temperature stability that is claimed!

*several technical details of the autofluxer fusion machines are protected under DE 203 12180.5 dated 04.01.15,

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Technical Data:

110-230VAC, 50-60Hz, 200W
18.5x18.5x9.9"(47x47x26cm)
approx. 33kg