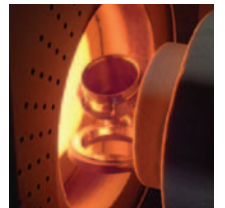


EAGON 2

Safe, simple high-performance fusion

Furnace fusion system



EAGON 2

Successful bead sample preparation for XRF

Eagon 2 is a fully automatic fusion machine for fused bead sample preparation for XRF analysis. Its innovative (patent-pending) design combines the advantages of both gas burner and muffle furnace technology with none of their associated disadvantages. Performance, operator safety and ease of use are central to the Eagon 2 design, making fusion and the consequent benefit of accurate XRF analysis easily achievable.



High performance

Advantages of Eagon 2

- High performance
- Ultimate safety
- Simple, user-friendly operation
- Cost-effective
- Analytical expertise
- Consultancy service
- Global support network

Flexible

Optimized fusion conditions for all materials concerning:

- temperature setting
- duration
- oxidation steps
- mixing and cooling

Reproducible

- Fully automatic operation ensures perfect repetition of fusion cycle
- Furnace technique offers thermal equilibrium of platinum ware and sample during full cycle

Cost-effective

Platinum ware friendly furnace technology

Minimum damaging temperature gradients

Minimum infrastructure required

- Only simple electrical connection
- No flammable gas costs or regulatory issues
- The optional exhaust adapter limits the infrastructural requirements



Optional exhaust adapter

Ultimate safety

'Cold-to-cold' operation

Operator is protected from hot material and surfaces by interlocked doors.

Simplicity of use

- Push-button operation
- Pre-defined fusion method library
- Customizable fusion method definition
- Crucible and mould holders easily dismantled for cleaning
- The automation option allows for integration of the Eagon 2 into fully automated sample preparation systems



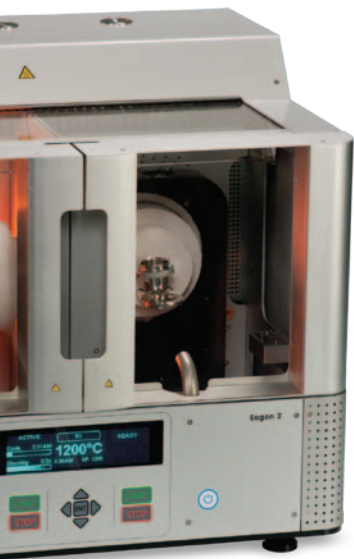
Analytical expertise

Fusion-based analytical solutions

- Raw materials
- Cements
- Slags
- Ores
- Primary, traceable standards

Pre-defined fusion method library

- Rocks and ores
- Cement, clinker, slag
- Synthetic standards

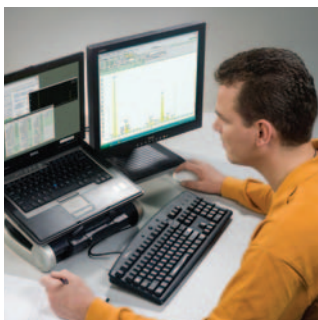


Consultancy service

- Expert advice from sample to result
- Assistance on method development
- Good Laboratory Practice
- Range of training programs



Global support network



Sales and service support in over 90 countries worldwide

- Facilitates standardization of analytical procedures
- Full range of consumables



Technical specification

Physical specifications

Height:	530 mm
Width:	645 mm
Depth:	645 mm
Weight:	78 kg
Type:	Muffle furnace
Temperature range:	300 - 1200 °C
Temperature control:	± 5 °C

Supplies/infrastructure required

- Electrical supply 220V/32A/ 50 - 60 Hz, single phase
- Low capacity extraction hood requirement (low heat load)

Operational specifications

- Full microprocessor control
- 2 bead capacity
 - independent, synchronous or asynchronous operation
- Programmable method variables include:
 - Ramp-dwell steps (temperature/ time)
 - Full temperature range solid phase oxidation
 - Crucible agitation speed and angle
 - Releasing agent injection
 - Crucible pouring angle
 - Cooling - passive or forced (2 speed)
 - Pause and inspect function
 - Casting in the furnace
 - Cycle-complete alarm
- Optional exhaust connection

User interface

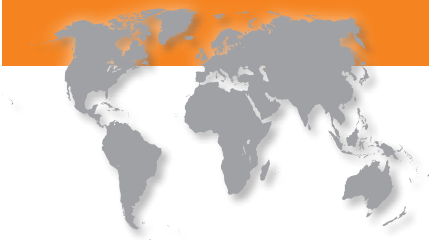
- Front panel operation
- Optional alpha/numeric programming via a PC for additional convenience
- Full method naming flexibility
- up to 32 user-defined methods
- Password protected user levels

Safety

- Certified CE and machinery directive 98/37EC compliant
 - Outer doors are safety-interlocked during fusion cycle
- Maximum external temperature of 70 °C
- Casting dish sensor ensures safe and reliable operation



Global and near



PANalytical B.V.
 Lelyweg 1, 7602 EA Almelo
 P.O. Box 13, 7600 AA Almelo
 The Netherlands
 T +31 (0) 546 534 444
 F +31 (0) 546 534 598
 info@panalytical.com
 www.panalytical.com

Regional sales offices
 Americas
 T +1 508 647 1100
 F +1 508 647 1115

Europe, Middle East, Africa
 T +31 (0) 546 834 444
 F +31 (0) 546 834 499

Asia Pacific
 T +65 6741 2868
 F +65 6741 2166