



UNIQUE PRODUCTS FROM ONE SOURCE

# xrWEIGH-S-FL AUTOMATED FLUX WEIGHING MACHINE

# OVERVIEW

The xrWeigh has been developed for the fast, accurate measurement of flux and other powder based chemicals for precision applications. In a typical laboratory environment, the introduction of the xrWeigh will reduce the time needed for manual weighing by up to 75%. The instrument is simple to use with an easy-to-follow user interface, requiring little or no training. A range of weights and tolerances are configurable and can be optimized for the combination of speed and accuracy for each method.

## Features

- Flux loading via XRF flux bottles with anti-spill loading system or a 2kg capacity sealable hopper
- High end precision weighing balance:
  - In built stability checking system
  - Adjustable load receptor with overload detection
  - Internal calibration weight
  - Force compensation technology weighing system
  - Daily reminder to recalibrate balance
- Simple touch screen operation for selection of target weight and range
- Dispense either granular or microbeads flux in standard or ratio modes (sample to flux ratio)
- In Range / Out of Range Weight Indication:
  - Audible tone (can be disabled)
  - Touchscreen indicator
  - Dispensing bay illumination indicator
- Built in barcode reader
- Remote access through VNC technology
- LIMS data

# KEY FEATURES



## Simple Operation

Integrated touch screen for process flexibility and full control over a variety of parameters.



## LIMS Integration

Sample ID's can be scanned with the integrated barcode reader. Full LIMS integration to track weights of the flux and samples.





### Granular or Microbeads Flux

Two technologies are combined to achieve fast and precise flux dosing. Weigh a variety of flux types in granular or microbeads forms.



### Visual Indicators

Illuminated weighing bay guides the operator while adding sample. Sound alarms can be turned on for additional tracking and assistance.

# ONGOING SUPPORT

The purchase of an XRF Scientific weighing machine is the beginning of a relationship where we provide access to a range of support and technical services to meet your fusion needs.

Whether you are new to fusion or an experienced user we have a range of services to increase the productivity and throughput of your application.

- Advice on appropriate selection of flux and standards
- Organization of platinum remake processes
- Technical advice on difficult fusion issues
- On-site support and preventative maintenance programs

**Please see our website for details of our representatives in your area: [www.xrfscientific.com](http://www.xrfscientific.com)**

## THE COMPLETE SOLUTION



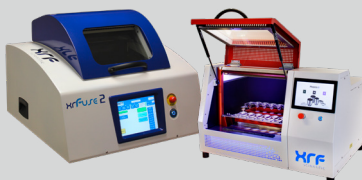
### Flux

We are the world's pre-eminent manufacturer of flux. We can provide standard borate fluxes or custom solutions to meet your specific needs.



### Labware

We manufacture labware for all our fusion instruments in house. We can also provide a remake service for the transfer from other labware designs.



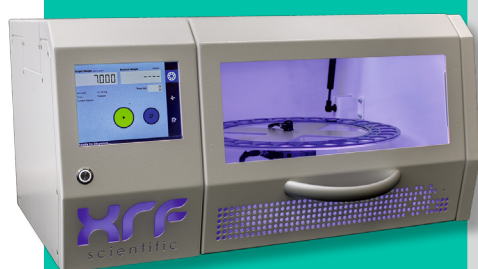
### Fusion machines

We manufacture fully automated electric or gas operated fusion machines. Safe, easy and reliable to operate and suitable for various numbers of samples handled per day.

# TECHNICAL SPECIFICATIONS

Instrument Specifications	xrWeigh-S-FL
Capacity	1 vial or 1 crucible
Sample weight capacity	0.1–20g
Weighing precision	±1%
Resolution	0.1mg
Balance operating temperature	5–40°C
Power requirements	230 or 115 V, 50/60 Hz, 150W, IEC power inlet
Dimensions (W×D×H) – Height with cover opened	25cm×60cm×50cm
Weight	20kg

## FOR ADDED AUTOMATION



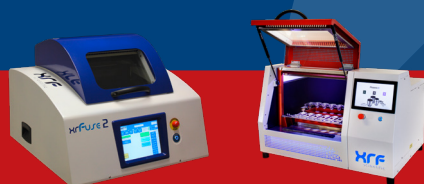
### The XrWeigh Carousel

#### Streamline your Process!

The XrWeigh Carousel takes the hard work out of flux weighing, removing a repetitive task from your laboratory while improving accuracy and traceability.

The instrument is also simple to use with an easy to follow user interface, requiring little or no training. A range of weights and tolerances are configurable and can be optimized for the combination of speed and accuracy for each method.

We reserve the right to change the design or specification of our products without notice. Some of the information contained in this brochure is general in nature and customers should check that it is applicable to their individual circumstances.



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