



Phoenix II

Gas fusion



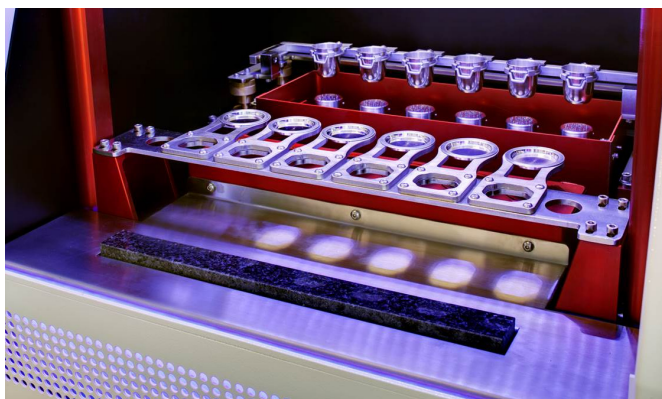
Phoenix II

Innovative Fusion Technology

The reputation of the Phoenix has been established in nearly 1000 installations worldwide in the last 20 years. In that time it has shown itself to be the reliable and flexible workhorse of the fusion laboratory; beloved by chemists and laboratory managers alike. The **Phoenix II** takes that base of reliability and adds a number of class leading features that makes it the most advanced fusion machine on the market.

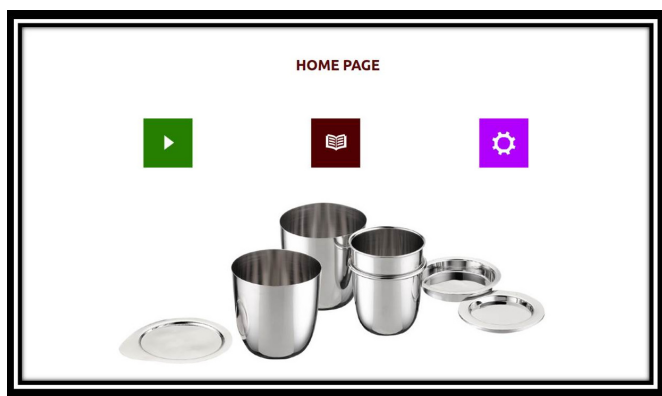
Key features:

ABCS: Adaptive Burner Control System



The revolutionary adaptive burner control system allows the user to set the burner temperature electronically at the user interface. The ABCS then automatically modifies flow parameters to ensure this temperature is achieved and maintained throughout the fusion cycle.

Advanced User Interface



The **Phoenix II** user interface has the look and feel of a modern laboratory instrument. The simple touch screen user interface is easy to use and allows the simple programming of recipes, visual tracking of the status of the machine and easy access to higher level functionality and service

Established Reliability



The core features of this machine are the same as the original phoenix or have been re-designed based on the lessons learned from millions of hours of operation. The machine has been extensively validated and undergone rigorous customer testing.

Safe Operation



The **Phoenix II** is the safest gas machine on the market. The gas burners and all high temperature items are enclosed behind a glass door. All external surfaces are safe to touch and are considerably cooler than comparable machines. The gas shut-off and electrical safety systems also meet the highest possible standards.

Phoenix II

A new era in Gas Fusion Technology

The oxygen enriched gas fusion machine has always been the machine of choice for the best analytical laboratories. The **Phoenix II** uses the latest IR and control technology to significantly extend the capability of the technology. The improvements in control and consistency will enhance result accuracy and repeatability, while the absolute measurement of temperature will increase the existing broad range of uses. In the hands of an experienced user the possibilities are endless.



Ongoing support

The purchase of any XRF Scientific fusion machine, gas or electric, is the beginning of an ongoing relationship where we and our distributors provide you with access to a broad 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 (we have seen almost every fusion type imaginable)
- On-site support and preventative maintenance programs

Please see our website for more details of our representatives in your area.

The Complete Solution



Labware

We manufacture Labware for all our fusion instruments in-house. We can also provide a remake service

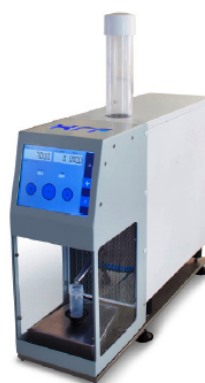


Flux

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

Weighing

The xrweigh allows the rapid and accurate measurement of flux. Increasing laboratory throughput and process repeatability





Technical Specification

Maximum Temperature (Continuous)	1250 C
Throughput	Up to 30 beads per hour
Programmable Recipes	20
Cradle/mould holders	Inconel or Palladium
Voltage requirement	220/110v
Construction	Single external aluminium case
Crucible	30g
Mould	Full range of sizes
Safety	<ul style="list-style-type: none">• Cool-touch glass viewing window• Automatic gas cut-off safety system• Low voltage internal circuitry
Size HxWxD	900x550x650mm
Weight	110kg

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.