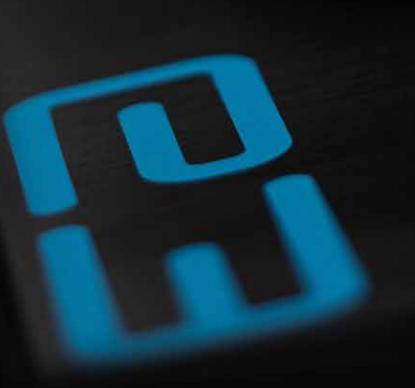


Flexibility, no-downtime now available for Electric Fusion



## The Ultimate electric fusion

## Full temperature range for no-compromise methods - Perfect for ICP and XRF sample preparation

At NIEKA®, we used our strong experience from the fusion industry and forged an instrument that is the perfect fit for the most demanding industrial fusion laboratories. Downtime is your enemy, and using the best tool is your only way to remain on top and deliver results on time.

For the past years, we spent thousands of hours to bring reliability and flexibility to electric fusion. We created a new range of products based on the unique and proven Nieka® platform in conjunction with all the latest manufacturing technologies to create these easy-to-maintain and powerful instruments.

You will be able to create perfect fusion methods based on chemistry and not instrument limitation. This will save you time and allow your lab to obtain perfect fused samples, every time.

## **FEATURES**



Fully automated glass bead or solution preparation



Ultra-precise temperature control for complex pre-oxidation



Unique safe to touch glass surface



Exhaust fumes concentrated in a small extraction area



No fragile ceramic parts



Plug and use in seconds



Up to 1275°C fusion temperature



208-240 V single or 3-phase versions available



Technical Specifications	E1	E3
Power	208-240Vac 50-60Hz 1 PH up to 2kW heating power	208-240Vac 50-60Hz 1 or 3PH / 380-415Vac 50-60Hz 3 PH, up to 6kW heating power
Dimension (W, H, D)	45 x 40 x 60 cm; 50 kg	70 x 40 x 63 cm; 64 kg
Ventilation requirement	No full hood required 3 m3 / min. extraction point	No full hood required, 7 m3 / min. extraction point
Heaters	High-emissivity resistive heaters	

Up to 32 steps per program; 32 program storage space + external USB

Clockwise and counterclockwise agitation, fully configurable

Bead-solution switch using modular system (no tool required)

Heating configuration 25-1275°C temperature for each step

Bead cooling Fully configurable cooling steps, from 0 to 100%

Heater servicing Modular crucible and mold heaters with quick connectors

Connectivity USB/LAN connectivity

XRF / ICP sample

Programming

preparation capability

Mixing

