



## LN1000 GAS FIRED KILN

A popular semi-muffle gas fired kiln for both the professional and student user. The LN1000 provides controlled heat up to a maximum temperature in excess of 1000°C.

The LN1000 Gas Fired Kiln has many uses including metal heat treatment, enamelling, melting precious metals and wax burn-outs. It is used by students of Jewellery, dental and laboratory technicians. The unit reaches 850°C in just 10 minutes and can reach 1000°C in thirty five minutes.

The LN1000 is designed for use with natural gas or low pressure bottled gas, the LN1000 can be permanently installed or used as a portable kiln, thanks to the low weight. The constant heat input combined with space-age insulation produces a stable operating temperature with minimum gas usage.

### STANDARD SAFETY FEATURES

- ✓ Piezo Spark Ignition eliminates lighting problems
- ✓ Flame Failure Device means if there is no flame, there is no gas
- ✓ Heat Control Valve ensures simple, safe temperature control
- ✓ Unique Safety Door provides minimum heat exposure
- ✓ Temperature Indicator





# PRODUCT SPECIFICATION

## LN1000 GAS FIRED KILN

### OVERVIEW

A popular semi-muffle gas fired kiln for both the professional and student user. The LN1000 provides controlled heat up to a maximum temperature in excess of 1000° C.

#### VERSATILE

The LN1000 Gas Fired Kiln has many uses including metal heat treatment, enamelling, melting precious metals and wax burn-outs. It is used by students of Jewellery, dental and laboratory technicians.

#### FAST

The LN1000 Kiln reaches 850° C in only 10 minutes and can reach 1000° C in thirty five minutes.

#### SIMPLE TO INSTALL AND MAINTAIN

Designed for use with natural gas or low pressure bottled gas, the LN1000 can be permanently installed or used as a portable kiln, thanks to the low weight.

#### STANDARD SAFETY FEATURES

- Piezo Spark Ignition - eliminates lighting problems
- Flame Failure Device - no flame - no gas
- Heat Control Valve - simple, safe temperature control
- Unique Safety Door - provides minimum heat exposure
- Temperature Indicator - up to 1000° C

#### OPTIONAL EXTRAS

Casing Heat Guard to lower outer casing temperature.

#### EFFICIENT IN USE

The constant heat input combined with space-age insulation produces a stable operating temperature with minimum gas usage.

#### EXTRACTION

According to the Health & Safety at Work Act 1974, BS 4163 and COSHH Regulations it is mandatory that all fumes must be removed at source.

INTERNAL DIMENSIONS	
Height	130 mm
Width	180 mm
Depth	195 mm

EXTERNAL DIMENSIONS	
Height	410 mm
Width	280 mm
Depth	280 mm

### LN1000 APPLICATIONS

#### ENAMELLING

Designed for the professional or student enameller the fast heat up times allow enamelling to begin within 10 minutes. Large capacity and even heat distribution allows larger objects to be enamelled. The top outer casing of the kiln heats up sufficiently to enable the drying of enamels to be carried out.

#### METAL HEAT TREATMENT

Invaluable in the toolroom, machine shop or metallurgy laboratory The LN1000 is ideal for heat treatment, hardening, case hardening and tempering of tools and components. The kiln's maximum temperature of over 1000° C quickly melts small quantities of metal e.g. aluminium and brass.

#### WAX BURNOUTS

Superb for the investment casting process the kiln provides good capacity and a clean burn with excellent ventilation. The heat control valve provides controlled even heat up to 1000° C.

#### MELTING PRECIOUS METALS

The LN1000 is ideal for melting small amounts of precious metals in a short space of time. A solid refractory base tile easily accommodates a large range of metal melting crucibles for melting gold, silver and other precious metals.

#### LABORATORY USE

The LN1000 is a good general semi muffle gas fired kiln which provides controlled heat up to a maximum temperature in excess of 1000° C in under 35 minutes.

#### DENTAL WORK

A multi purpose gas fired kiln that is safe, clean, fast and with controllable temperature. The LN1000 is ideal for:

- Gold Casting (inlays and dentures)
- Heating rings for porcelain bonding to gold and non-precious alloys
- Cobalt chrome dentures

TOTAL GAS PERFORMANCE (Please state gas type when ordering)				
GAS TYPE	RATE	BTU/HRS	KW	PRESSURE
Natural Gas	0.3 m <sup>3</sup> /h	11000	3.22	20 mbar
Propane	0.23 kg/h	11000	3.22	35 mbar
Butane	0.23 kg/h	11000	3.22	28 mbar
Weight	11.8 kg			

