



# Section 13

## **FLAMEFAST HEAT TREATMENT EQUIPMENT**

### **CRUCIBLE FURNACES**

*CM 350 & CM 350 PB*

### **GAS FIRED KILNS**

*LN 1000 & LN 2000*

## **LOW TEMPERATURE CASTING SYSTEMS**

### **CERAMIC CHIP FORGE**

*DS 430A*

### **BRAZING HEARTH**

*DS 300*

### **DOUBLE BRAZING HEARTH**

*DS 300D*

### **CHIP FORGE / BRAZING HEARTH**

*DS 430S*

### **CHIP FORGE / BRAZING HEARTH**

*DS 430D*

### **JEWELLERY BENCH**

*EM221*

### **GAS / AIR TORCHES**

# FLAMEFAST HEAT TREATMENT EQUIPMENT



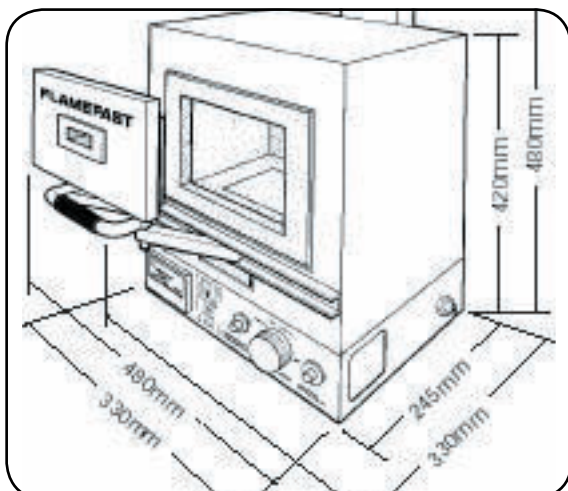
## CM 350 Safety Tilt Crucible Furnace

- Natural or LP gas
- Piezo ignition & flame failure as standard
- A10 capacity crucible
- Safety tilt mechanism
- Maximum temperature 950 - 1000°C
- Melt aluminium only



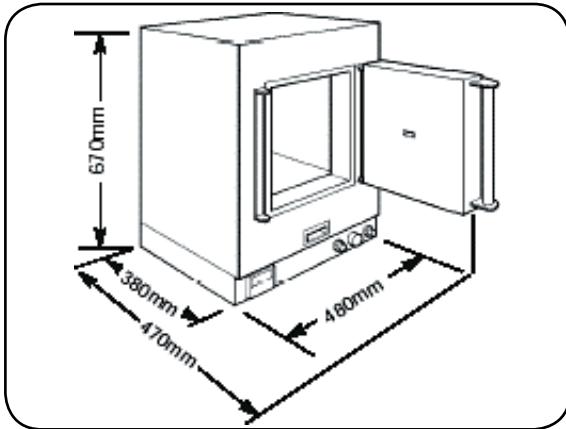
## CM 350 PB Safety Tilt Crucible Furnace

- Natural or LP gas
- Fully automatic burner control & ignition system
- A10 capacity crucible
- A3 capacity crucible pot option available
- Safety tilt mechanism
- Maximum temperature 1000°C
- Melt aluminium, brass, bronze, copper, gold, silver, zinc etc.



## LN 1000 Gas Fired Kiln

- Natural or LP gas
- Piezo ignition & flame failure as standard
- Heat control valve
- 850°C in ten minutes
- 1000°C in 35 minutes
- Unique safety door
- Temperature indicator
- 4.5 litre chamber capacity



### LN 2000 Gas Fired Kiln

Same features as the LN 1000 but 30.6 litre chamber capacity

Both kilns are ideal for:

- Enameling
- Metal heat treatment
- Wax burnouts
- Melting precious metals
- Laboratory use
- Pottery
- Dental work



### LT1 Low Temperature Casting System

- 240 volt AC @ 6 amps continuous
- Maximum temperature 260°C
- 2.3 kG crucible capacity
- Thermostatically controlled at 260°C or 150°C
- 15 minute heat up time
- One mould as standard supply

The LT1 Low Temperature Casting System has been designed to create unique links between Design & Technology and other curriculum areas. At the same time it offers a cost effective and safe method for casting and moulding lessons.

The LT allows casting and moulding to be undertaken in a standard classroom environment away from traditional workshop areas.

On line lesson plans and support sheets are available



### DS 430A Ceramic Chip Forge

- Natural or LP gas
- 15 minutes to working temperature
- 340mm diameter working area
- Automatic safety check of controls and air fan
- 12.56 kG ceramic chips supplied
- Rake iron
- Optional fume extraction hood available as shown



### DS 300 Brazing Hearth

- Natural or LP gas
- Asbestos free heat resistant refractory hearth, side & rear heat shields
- Push button electronic ignition
- Auto gas leak proving system
- RF 80 brazing torch supplied
- Optional fume extraction hood available as shown



### DS 300D Double Brazing Hearth

The DS 300D is identical to the DS 300 single brazing hearth with the addition of a slave unit and torch.

- Optional fume extraction hood available as shown



### DS 430S Chip Forge / Brazing Hearth

- Consists of a Ceramic Chip Forge and a single Brazing Hearth
- All the features of the forge & hearth are included
- Optional fume extraction hood available as shown



### DS 430D Chip Forge / Double Brazing Hearth

- Consists of a ceramic chip forge and double brazing hearths
- All the features of the forge & hearth are included
- Optional fume extraction hood available as shown



### EM221 Jewellery Bench

- Dimensions: 756mmH x 2000mmW x 605D
- Gas/air manifolds rear and front.
- 9MS8 Blower Fan - single phase.
- Flexible approved gas hose for connection.
- Non-return valve fitted to gas inlet.
- Double solenoid valve fitted to gas inlet.
- Electric thermal overload switch and isolator.
- 2 x Adapto RF10 jewellery torches with colour coded reinforced gas and air hoses.
- Torch support stand to suit.
- Adapto needle flame torches with colour coded gas and air hoses and three position stand.



### Gas - Air Torches

A wide range of gas - air torches are available to suit most educational and industrial applications.

- Mouth blown
- Needle flame
- Pencil flame
- RF10 jewellery air blown
- RF80 air blown brazing torch
- T2 & T4 air blown brazing torches

Please contact SCE for further information and pricing on any FlameFast product