



\*Picture is for reference only and may differ from the final product  
 \*\* Flamefast reserve the right to change product specification without prior notice

## | OVERVIEW |

Specifically designed for use in industry and education, the CRM700 Crucible Furnace is capable of melting a range of metals including aluminium, brass, bronze, gold and silver.

All valves and pipe work, including the whisper quiet blower fan, are included within the self-contained cabinet. Safe operation is by panel mounted controls. Ignition is automatic and there is automatic flame control with no user interaction required. On ignition, the crucible furnace is automatically put on low heat for about 5 minutes to preheat the chamber and crucible pot before ramping up to full heat input. This helps to reduce the risk of thermal shock of the pot.

## | KEY FEATURES |

- Whisper quiet blower fan
- Super efficient insulation
- Push button, no volt release starter
- Requires manual restart after power failure
- Electronic flame failure protection with automatic ignition
- TPX25B crucible pot with a capacity of 4.2 litres
- Designed to work with natural gas, propane or butane
- Operation / Instruction manual

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.

# MELTING CRUCIBLE FURNACE CRM700



## Dimensions

Height	1050 mm
Width	500 mm
Depth	883 mm
Weight	75 kg

## Features

The CRM700 has a motorised safety tilt system that is push-button operated. When the tilt button is pressed the unit will slowly rise from the rest position towards the pouring position. At the pouring position the unit will slowly pour the molten metal into the mould. When the tilt button is released, the unit begins to return to the rest position. The unit can be held in one position by continuously pressing and releasing the tilt button.

This furnace has the ability to think for itself. It can re-establish firing conditions, maintain correct gas/air ratios and shut off safely if the mains electrical power or gas is cut off. Efficient insulation and refractory materials give fast heating together with fuel gas economy.

## Optional Extras

- Replacement AX25 crucible pot
- Face shield (Polycarbonate)(2.2 mm)
- Heat resistant gloves
- Chrome leather leggings
- Chrome leather apron
- Hardware support casting kit
- Moulding Bench
- Fume extraction to meet the requirements of COSHH Regulations

## Performance (please state gas type when ordering)

GAS TYPE	RATE	BTU/HRS	KW	PRESSURE
Natural Gas	2.73 m <sup>3</sup> /h	100000	29.3	20 mbar
Propane	2.1 kg/h	100000	29.3	35 mbar
Butane	2.1 kg/h	100000	29.3	28 mbar
Max Temp	1200 °C			
Electrics	120 Watts - 220 - 240 Volts			

## TYPICAL MELTING TIMES FROM COLD

Aluminium	4 kg in 25 minutes
Copper / Zinc	11 kg in 40 minutes