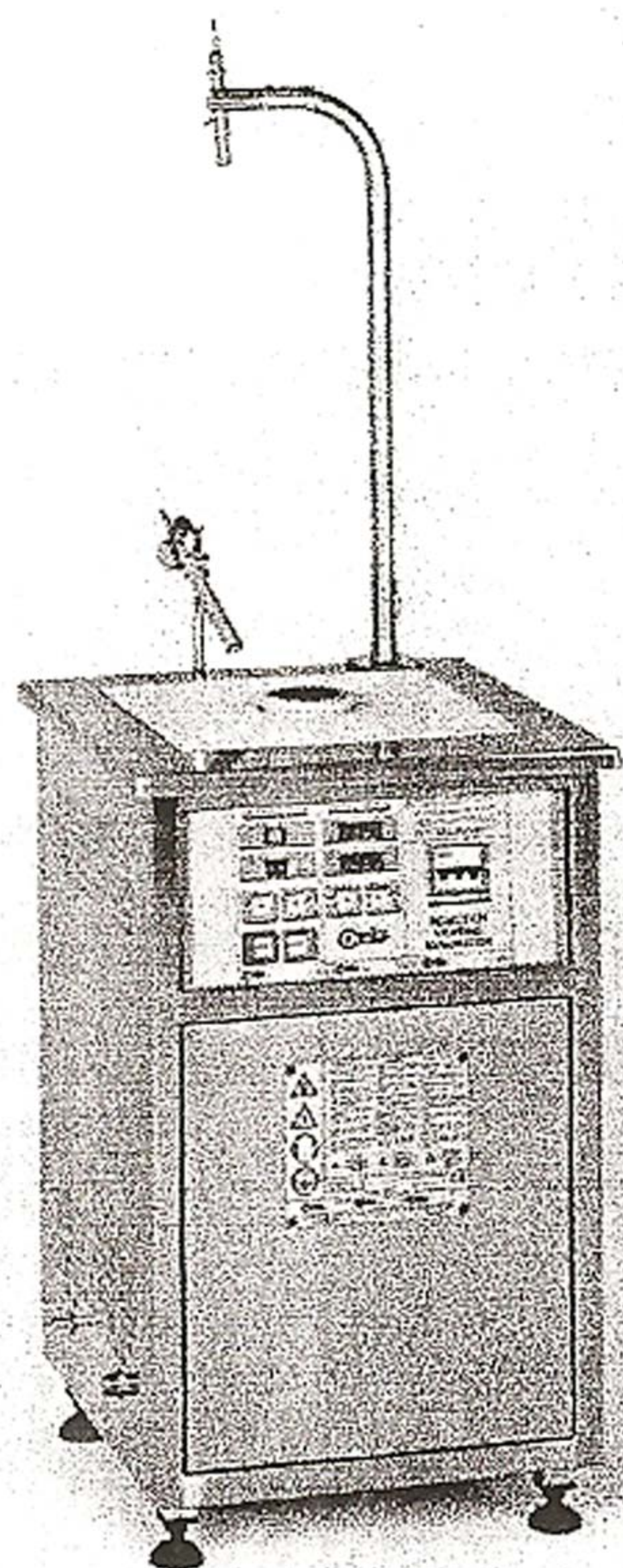


F12-D PLATINUM MELTING MACHINE:

C.E.I.A. Water cooled Medium Frequency Induction Melter – suitable for melting platinum.



Crucible capacity – 1.5Kg
Crucible volume – 180 cm³



**Crucible-
79-225-CC-PT**

Technical Features:

- Microcomputer controls all functions of the furnace during operation.
- Temperature control by means of 2-color optical pyrometer (Optional).
- Adjustable power setting from (1-12Kw) for melting speed control.
- Fast melting speed without deteriorating the metal.
- Maximum absorbed power is 12Kw.
- Excellent mixing of the alloys because of the phonic modulation inductive effect.
- No diathermy effect by electrical discharge to the operator.
- Power supply – 200-400v (specify voltage requirements) 3phase 50/60Hz

Built-In Protection:

- Protection against short circuit.
- Grounded heating coil.
- Protection against exceeding maximum power.
- Thermal protection of the generator.
- Magnetothermic switch.
- Galvanic insulation from the mains by a generator.

Operation:

- Digital control panel allows for increasing/decreasing power.
- Start/Stop of melting.
- Increasing/Decreasing temperature up to 2000 degrees "C".

Self-Diagnostics: (Voice commands)

- Insufficient water pressure.
- Water temperature too high.
- Crucible missing.
- ATTENTION - Replace crucible.
- One phase missing.
- Line voltage too high.
- Interrupted thermocouple.
- ATTENTION – Internal failure.

Main Structure:

- One piece chassis containing control panel, generator and coil.
- Control panel and display is located for ease of operation.

Dimensions:

- 580mm (23 inches) x 575mm (22.6 inches) x 905mm (36 inches).
- Weight = 90Kilo (200pounds)

Installation:

- Unit comes complete with crucible, tongs, gas blow-pipe (cover gas), manual and hoses for water connection.
- Water supply (28psi minimum) is required either with direct connection or by means of a water recirculator and Three-phase power either 200 or 400v 50/60Hz.
- Installation should be carried out by a qualified technician.

Conformity:

- All models conform with European Standards currently applicable for electrical safety and EMC. (EN 55011 Group 2 Class A)
- Unit comes with CE declaration of conformity.