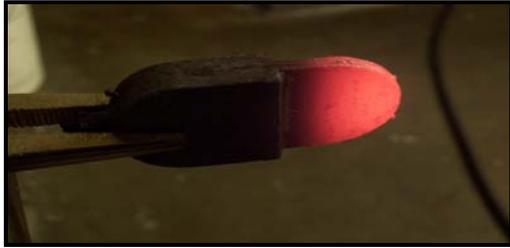


STEEL SAMPLE REHEATER



Using a 5.0 kW **Induction Heating System** steel samples can be reheated to **1200-1500** degrees in a short 10-15 sec's. The BOF Lab Operator need only insert the steel sample into the "**key slot**" heat station and press a "START" button. A **Digital Timer** on the Power Supply Cabinet controls the length of the heating period.

The Power Supply can be operated from **208-240 VAC 1-3 phase 50/60** electrical supply. The system requires water flow for cooling: **1/2 GPM**

(4 liters/min) at 30 psi (2 kPa). An Electric **Water Solenoid Valve** is only energized when the system is heating, so water consumption is minimal.

The **Power Supply Cabinet**: (20" W x 28"H x 16" D): is built as a wall mount unit and is of welded steel construction and has a baked-on enamel finish. Standard controls include *On* and *Off* switches, 0-60 sec. Digital Timer, Lamp test switch, power switch, 7 Status lamps indicating system functions, a Power Control Knob (0-100% of rated power), and dual electronic Bar Graph indicating amperage and frequency.

Electrical hardware include a front mounted 3 phase fused disconnect switch, high speed circuit breaker, 4 pole contactor, cooling fan, and control voltage isolation transformer.



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