Brazing steel mold for golf ball dimple insert

Objective Heating steel golf ball mold to brazing dimple insert

Material Golf ball mold 2” in diameter, braze flux paste, dimple insert

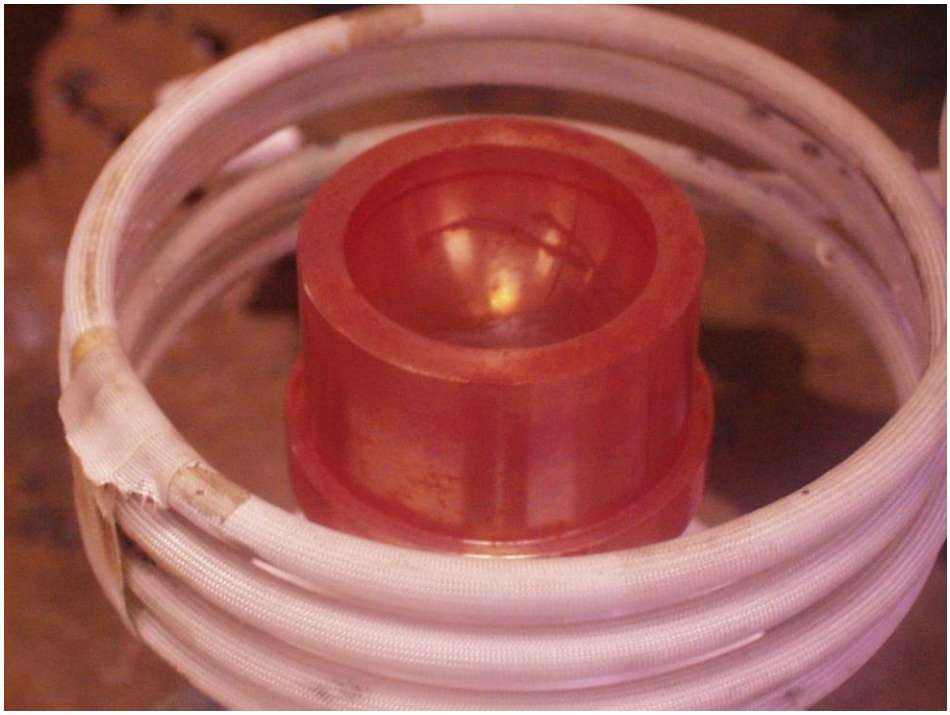
Temperature 1400 ºF (760 ºC)

Frequency 206 kHz

Equipment
- Ambrell 8.3 kW induction heating system, equipped with a remote workhead containing two 0.5µF capacitors for a total of 0.25 µF
- An induction heating coil designed and developed specifically for this application.

Process A four turn helical coil is used to heat the golf ball mold to 1400 ºF (760 ºC) in 3 minutes and the dimple insert is brazed to the mold with braze flux paste.

Results/Benefits Induction heating provides:
- No flame process.
- Reliable, repeatable, non contact and energy efficient heat in minimal time.
- Even distribution of heating.



Golf ball mold heated for brazing process