

120kW High Frequency Induction Heating System

This 120kW induction heating system utilizes electromagnetic induction for efficient heat generation in conductive materials. It offers precise temperature control and rapid heating cycles suitable for hardening, annealing, tempering, melting, and brazing.



Overview

High-Efficiency Induction Heating System

This 120kW high-frequency induction heating machine is designed for industrial applications requiring precise temperature control and rapid heating cycles. Utilizing advanced electromagnetic induction technology, it provides efficient performance for hardening, annealing, brazing, and melting processes. Its robust construction ensures reliability in demanding environments, making it a versatile solution for metalworking and manufacturing operations.

Technical Specifications

Power Rating

120 kW

Power Output

Applications

Surface Treatment & Hardening

- Surface heating treatment
- Surface hardening
- Annealing
- Gears, shafts, and spline shafts
- Camshafts and hand tools
- Electric power tools
- Pipes

Forging & Melting

- Forging and shaping
- Warm bending
- High-frequency shrinkage fitting
- Heat enveloping
- Metal desiccating
- Nut and rotor inserting
- Precious metals melting (Gold, Silver, Copper, Zinc)

Resin & Coating Processes

- Dry resin
- Resin coating
- Warm resin forming
- Shrinkage fitting and extraction
- Steel wire PVC pasting

Brazing & Soldering

High-frequency brazing, Pan bottom brazing, Tool head brazing, Copper brazing, Induction soldering, Diamond saw blades, Carbide cutters, Coal teeth, Woodworking tools