

EltaTech

Scope



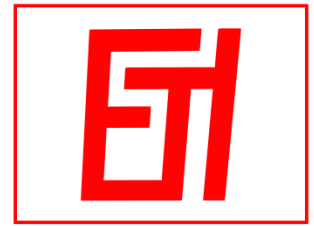
EltaTech

Induction machines

- Induction machines for:
 - Billet heating
 - Forging
 - Melting
 - Heat treatment: Tempering and hardening
- Digital IGBT converter from 5 kW to 2000 kW
- Computer aided engineering
- Automatisations

Service

- Manufacturing and repair of induction coils
- Spare parts: Capacitors, cables
- Computer aided process optimization



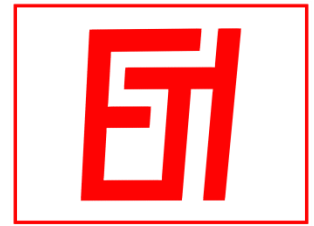
EltaTech

Induction Billet Heating

Induction billet heating



- New low frequency technology
- Direct converter
- Frequency 25 ... 35 Hz
- High efficiency
- optimal temperature homogenization



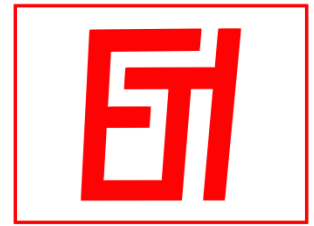
EltaTech

Induction Forging

Induction forging machine



- Compact machine design
- For Ferrous and non-ferrous metals
- Middle frequency (1 kHz – 20 kHz)
- Modular structure
- Can be eferct integrated into any prduction line



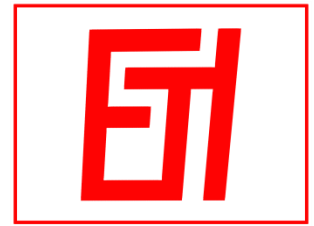
EltaTech

Induction melting

Induction melting



- Coreless type induction furnaces
- For Ferrous and non-ferrous metals
- Middle frequency (30 Hz – 10 kHz)
- Melting processor for perfect process control



EltaTech

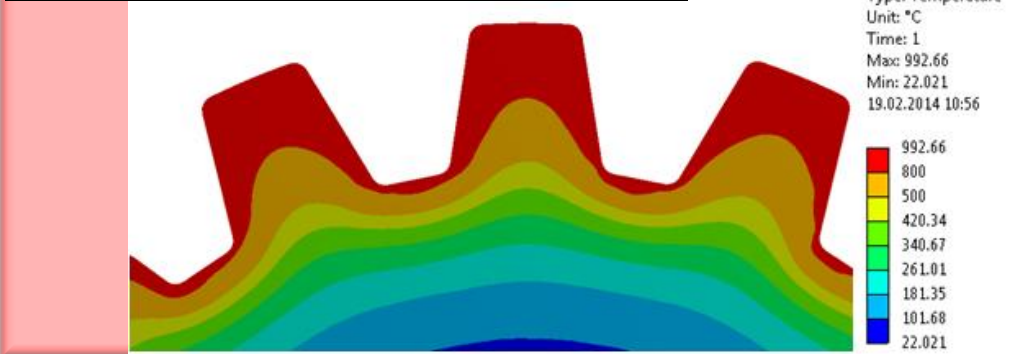
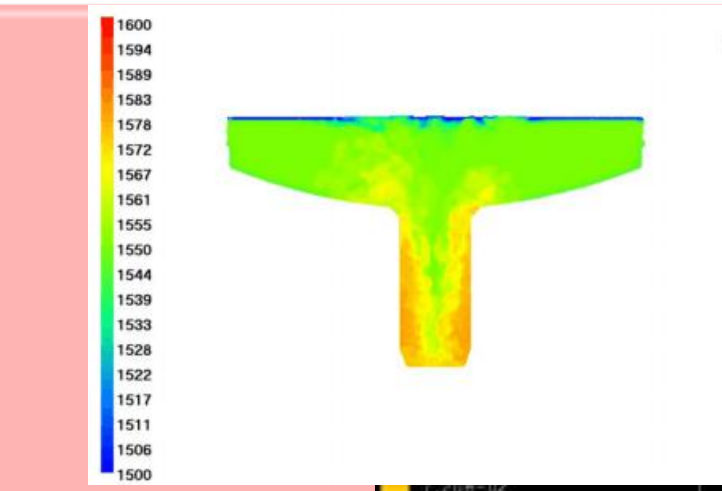
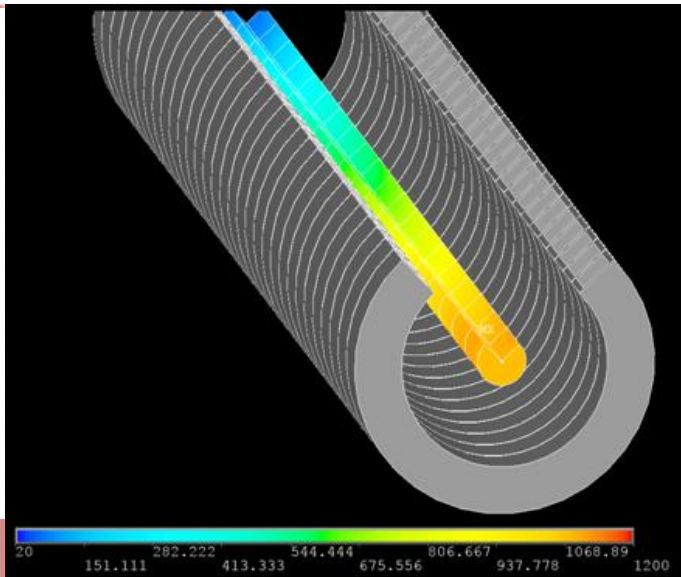
Induction Heat Treatment

Induction heat treatment machines



- Induction machines for:
 - solution heat treatment
 - hardening
 - tempering
- Frequency 1 kHz - 100 kHz
- Optimal frequency control and high accuracy

Computer aided Engineering and optimization





EltaTech

IGBT Converter

HF/MF-Umrichter:

- ✓ Digital Control Unit
- ✓ IGBT-Technology
- ✓ 50 Hz – 300 kHz
- ✓ 12 kW- 2000 kW
- ✓ Equipment and design tailored to individual customer needs





EltaTech

IGBT Converter

NF-Direktumrichter

- ✓ Digitale Steuerung
- ✓ IGBT-Technology
- ✓ 5 Hz – 50 Hz
- ✓ 50 kW- 2000 kW
- ✓ No AC-Capacitors
- ✓ No Output Choke
- ✓ Frequency adjustable

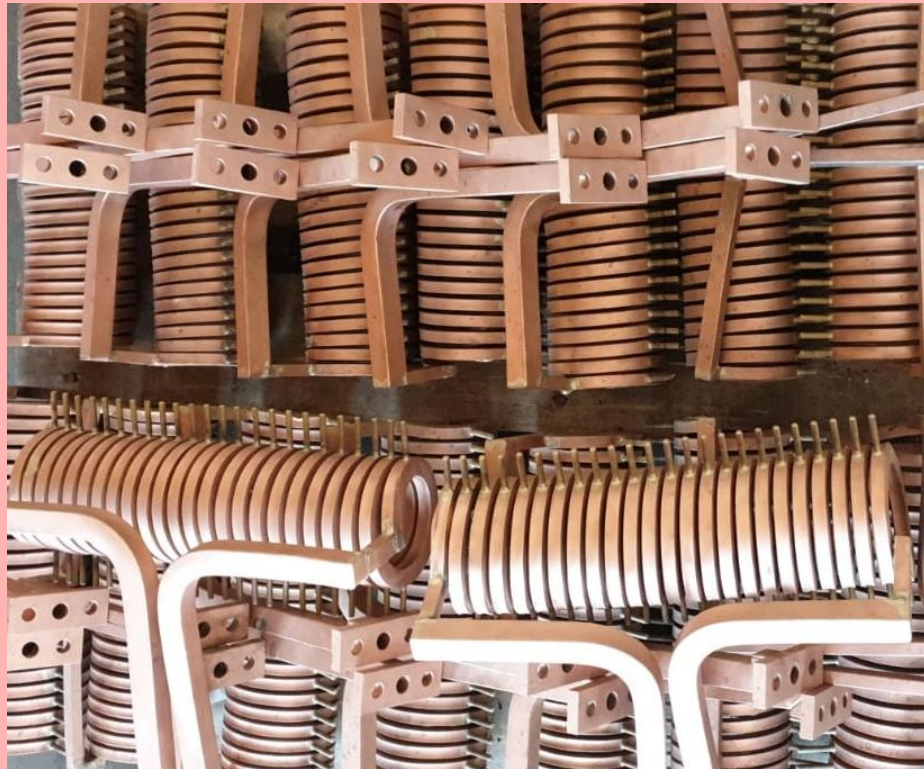


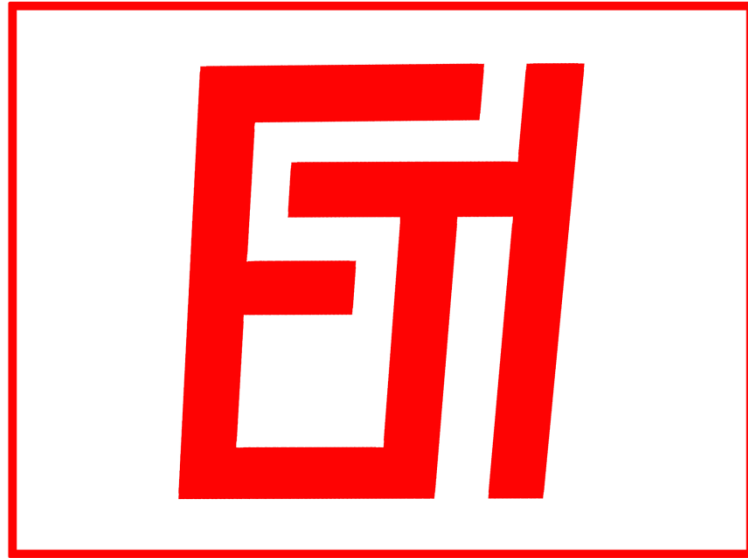


EltaTech

Service and Spear parts

- Coil repair
- AC Capacitors
- Power Cable
- PLC-Systems
- Process optimization
- On site service





EltaTech