

induction solutions for railway industry

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Main Benefits

- Energy efficiency
- Localized heat in the area to treat
- Short heating times
- Repetitive and controllable process
- Clean, fumeless, contactless

Business Benefits

- Cost saving
- Quality
- Production rate increase
- Automated, Lean process
- Safe and Green Heating

Typical industrial applications

- Forging and Forming
- Hardening and Tempering
- Pipe Welding
- Annealing and Normalising
- Shrink fitting
- Brazing
- Polymerisation Bonding
- Pre- and Post-Heating

Examples in Railway



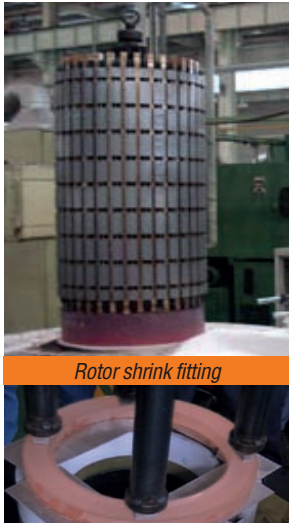
Leaf spring end heating



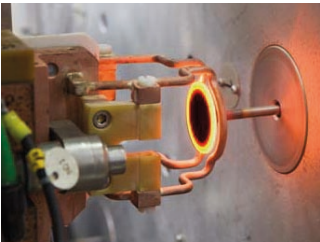
Brake system



Rail forging



Rotor shrink fitting



Parts heat treatment



Short circuit ring brazing

Rolling Stock

- Diesel Motor**
Parts heat treatment
- Electrical motor**
Short Circuit Ring brazing
Rotor shrink fitting
- Rail vehicle body**
Plate straightening
Paint removing

- Suspension**
Leaf spring end heating
- Shaft**
Molybdenum coating
- Wheelset**
Wheel Shrink fitting
- Brake System**
Disk brake hardening
Other applications...

Maintenance

- Motor repairing**
- Wheel band shrink fitting**
- Spare parts heat treatment**
- Other applications...

Infrastructure

- Clips forging**
- Fasteners thread forging**
- Rail forging**
- Head rail hardening**
- Rail normalising**
- Other applications...

References