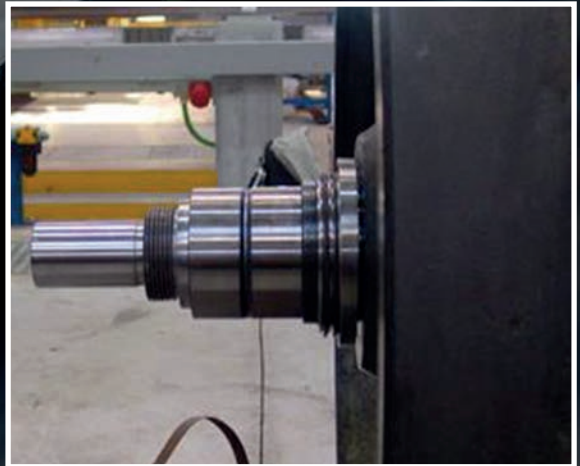
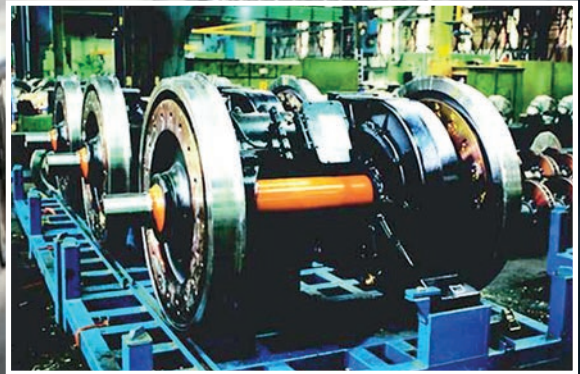




TAILOR-MADE
INDUCTION HEATING EQUIPMENT



fitting solutions for **ROLLING STOCK.**

Customer Request

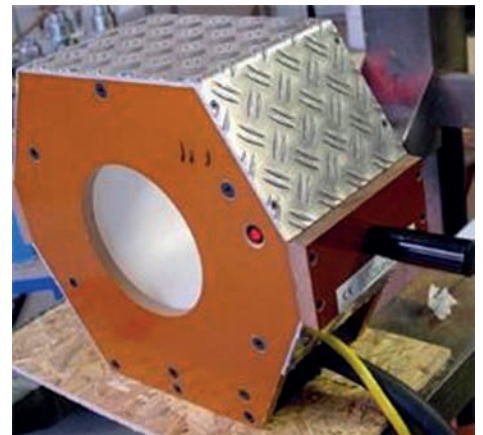
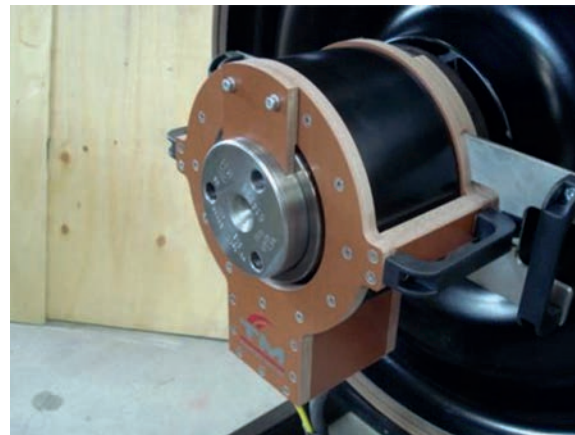
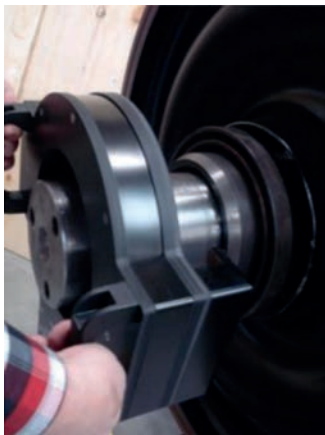
Before machining the wheels of rolling stock, the bearing rings (NU and NUP) and the labyrinth rings have to be dismantled. Important for the customer is the fact that the rings have to be dismantled without damage, so they can be reused.

Our Solution

By sliding an induction coil over the inner ring or labyrinth ring and connect it to a mid-frequency generator, we are able to heat only the inner ring while the shaft stays cool. After heating it is easy to slide the ring and coil from the shaft.

Advantage

Inner ring can be used again, no damage or overheating. Induction coil is relatively light and easy to handle. Controlled heating and dismounting process, no chance of overheating the ring or shaft.



Customer Request

To assemble the tire onto the wheel, the tire has to be heated to 200°C. Now- a- days this job is done with open flames which is dangerous and not controlled.

Our Solution

TM developed an easy to use induction heater with a sliding yoke and coil to make heating more effective. With this heater we are able to heat the wheel in 15 minutes to 200°C, controlled.

Advantage

Clean, fast, controlled and easy to use heating method. Small dimensions, easy to fit in the production process. High power output, low heating costs.



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