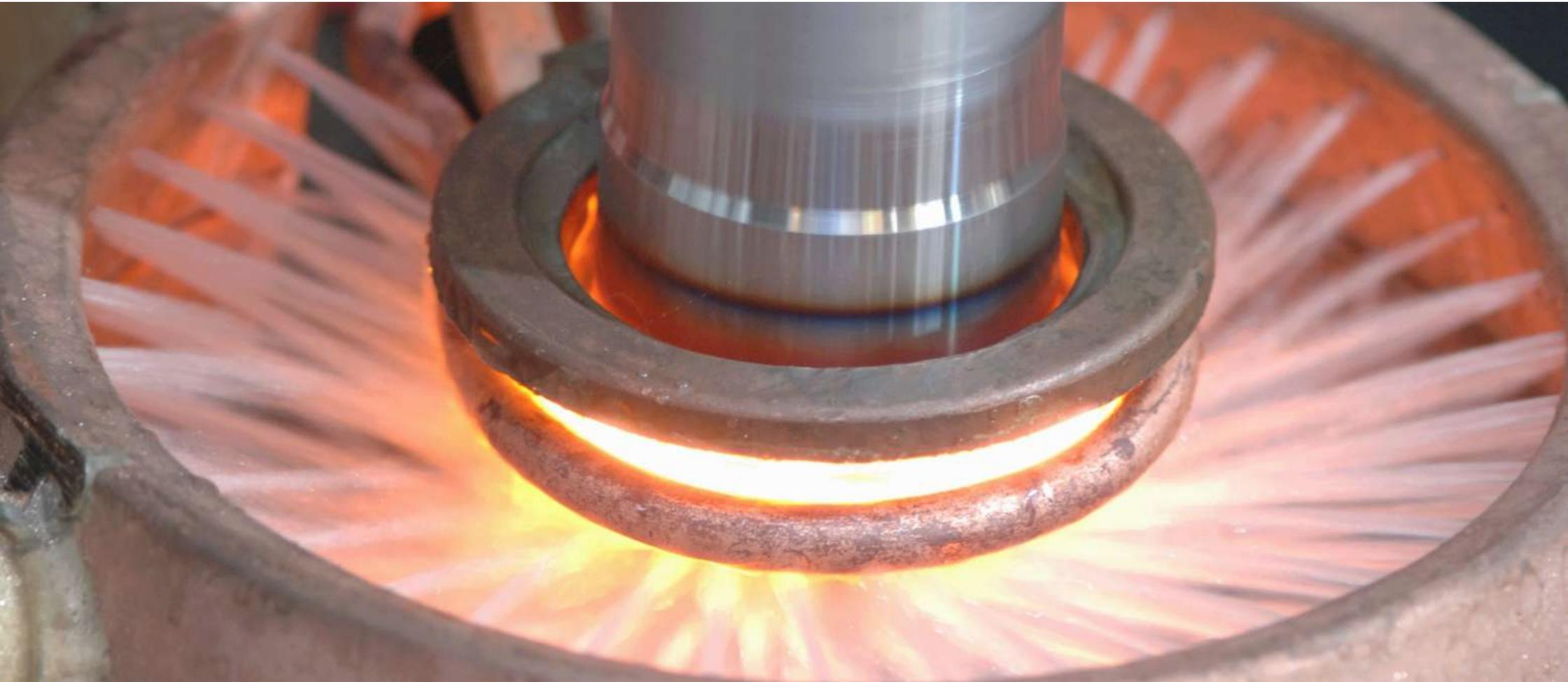


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INDUCTION HEATING TECHNOLOGIES

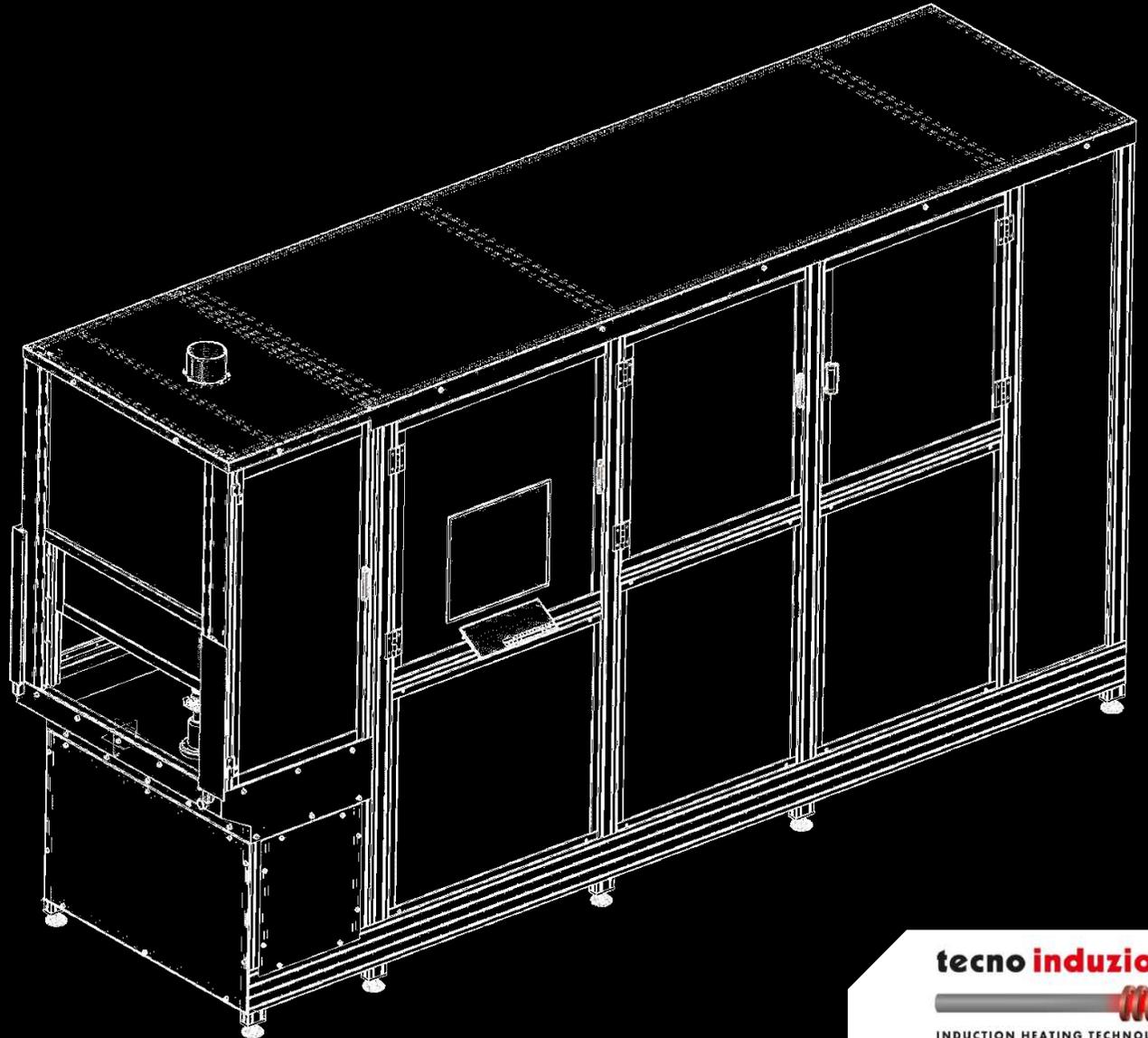


**Compact** **induction hardening equipment**

# COMPACT

The smartest solutions for your  
heat treating workshop

- Z-axis 300 mm
- up to 150 mm  
diam.
- up to 120 Kw  
power generator



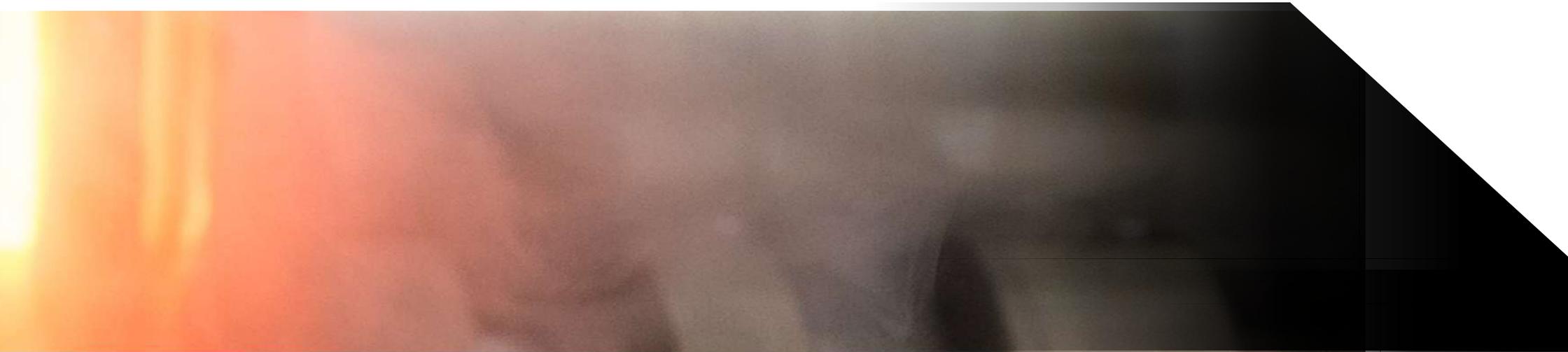
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INDUCTION HEATING TECHNOLOGIES

# WHAT IS INDUCTION HEATING?

Induction heating involves passing high-frequency alternating current through a coil to induce rapid heating of the surface situated appropriately within its electro-magnetic field.



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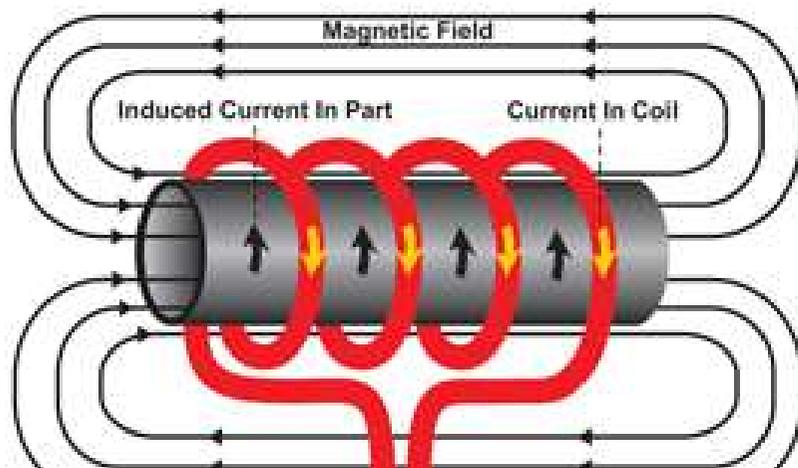


INDUCTION HEATING TECHNOLOGIES

These  
**INDUCED  
CURRENTS**

are called

**EDDY  
CURRENTS**

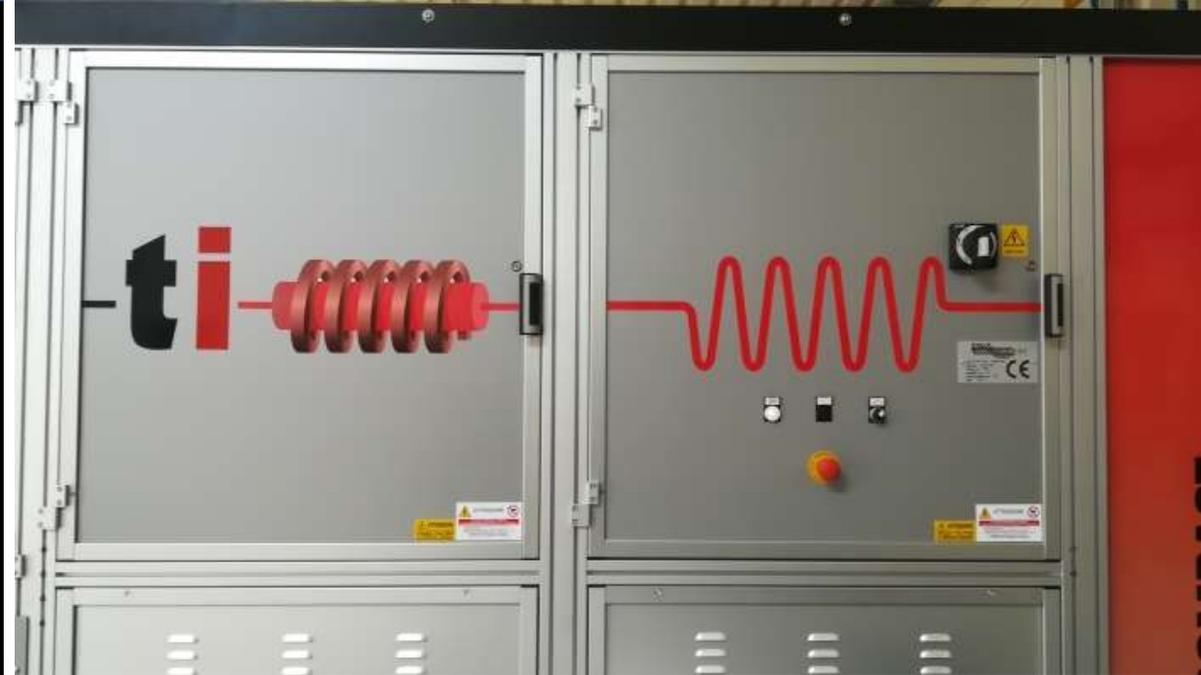


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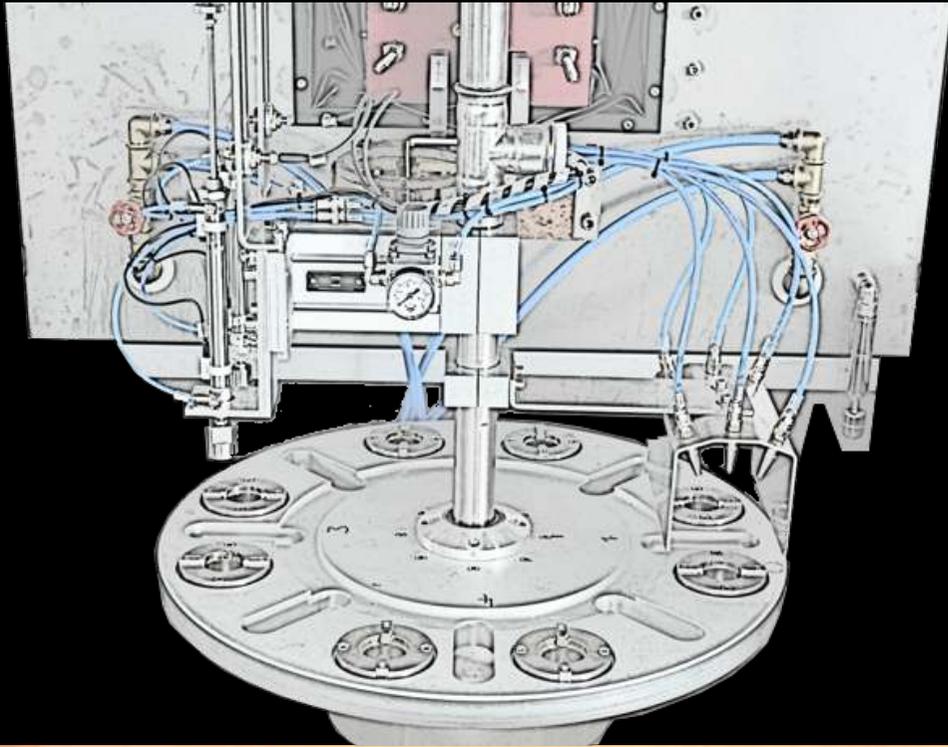


INDUCTION HEATING TECHNOLOGIES

**Predisposed  
for part  
loading  
automation**



**Monoblock structure  
with integrated  
power and cooling  
system**



- optional **rotary spindle** equipped with lower centering-tip, driven by 3-phase asynchronous motor equipped with inverter to control the workpiece rotation. Rotation speed: up to 250 rpm
- **motorized vertical tailstock** equipped with controlled-pressure pneumatic locking-stroke to compensate any eventual min. dilatation of the workpiece during the processing.
- workpiece **rotation-control system**

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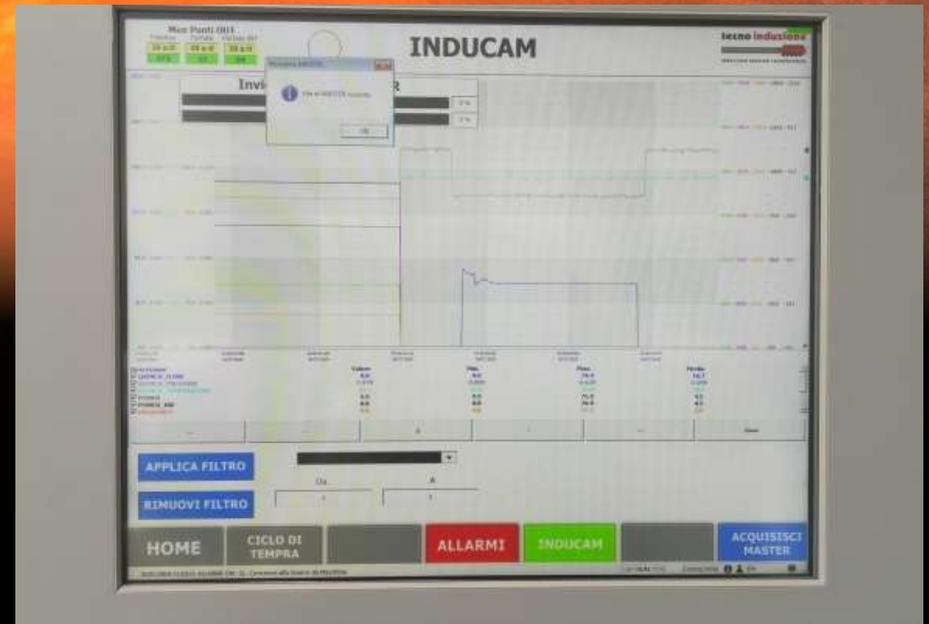
INDUCTION HEATING TECHNOLOGIES

- profile basement equipped with **safety machine guards**
- operator's **fire-proof** safety guards, made of profiled aluminium elements and transparent material
- automatic-opening doors equipped with **safety light curtains**
- lighting system provided in the working area
- **openable** structure for entering the working area with a crane from the top



# INDUCAM

control and data storage of heat-treatment parameters



# TPM

Total  
Productive  
Maintenance  
software  
available

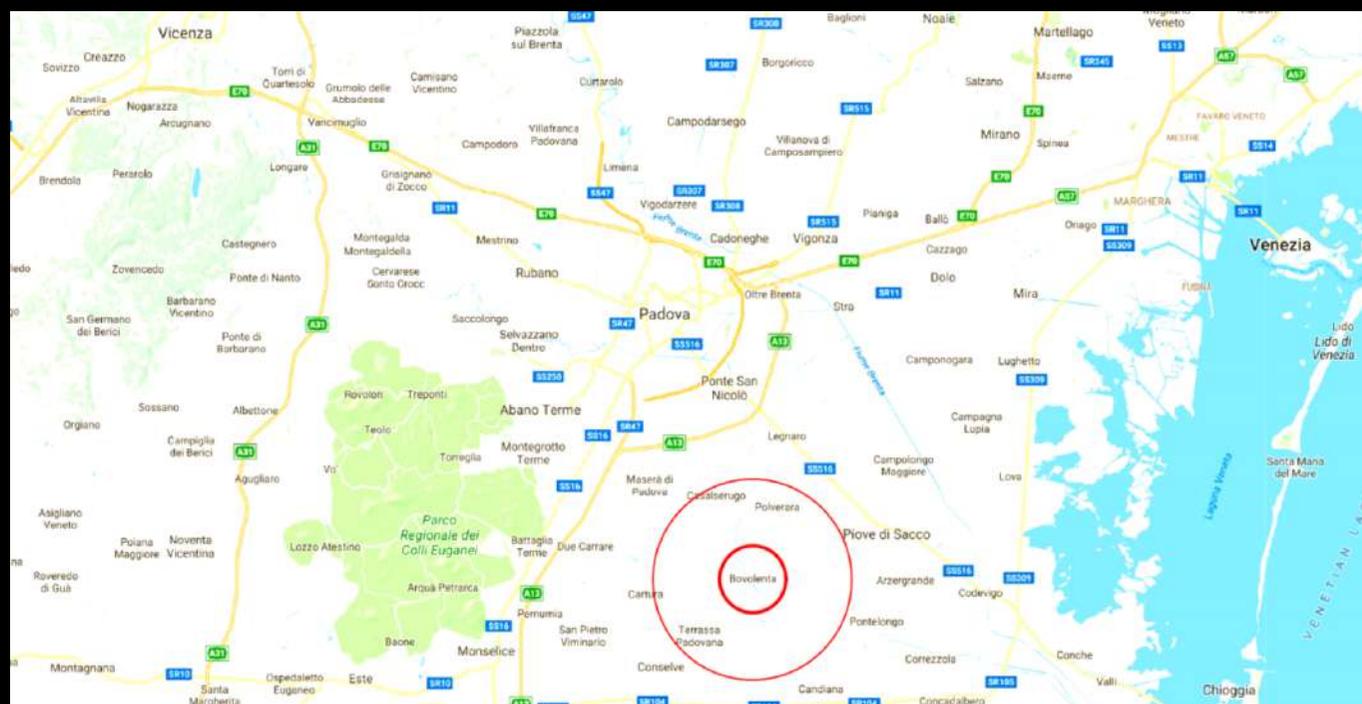
# Induction hardening process



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