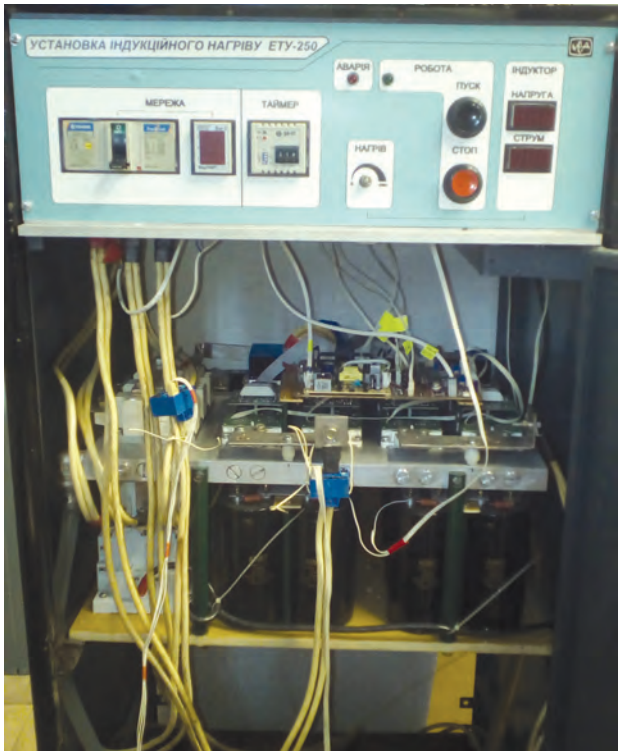
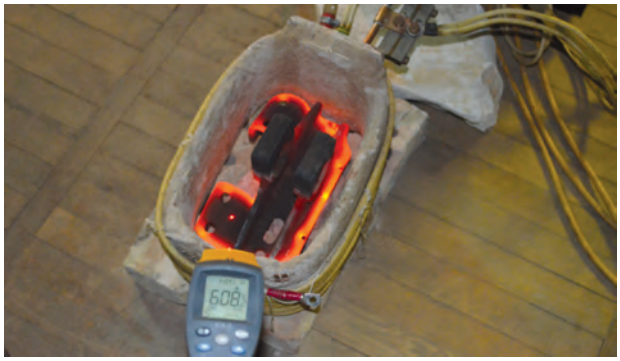
ETU-250 INDUCTION HEATING MACHINE



ETU-250 prototype



Heating of a cast-iron stop shoe
of subway car reduction gear

Specification

Supply voltage	400 V/50 Hz
Maximum output power, kW	250
Oscillation frequency, kHz	0.5—25
Efficiency, %	<95
Heating rate, °C/kg · s	30—50
Heating temperature (max.), °C	<900

Areas of Application

The induction heating machine is designed for electro-thermal treatment of components of various equipment. The scope of application covers thermal treatment of component parts and blanks, including heating while repairing industrial, power, and transport equipment

Stage of Development. Suggestions for Commercialization

IRL7, TRL8
Manufacture, delivery, warranty service, and staff training, upon request

IPR Protection

IPR1, IPR2

Advantages

The machine is unique in Ukraine.
As compared with the conventional electrothermal technologies, the use of ETU-250 enables to reduce electricity consumption by 20—30%; to increase the labor productivity 1.5—2 times; to significantly reduce the cost of materials for inductor production and repair; to replace the inductors of different sizes and configurations automatically keeping the electro-thermal process parameters at a given level; and to improve the production ecology

Contact Information

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