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(AS «Rīgas elektromašīnbūves rūpnīca»)
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Technical requirements for the supply of resistance shaft furnace with programmed control for heat treatment of metals

Main requirements

№	Parameter	Requirement
1.	Purpose	Heat treatment of structural steel, cast iron, copper
2.	Heat treatment types	Quenching, cementation, tempering, annealing of structural and tool steels, cast iron, copper
3.	Furnance shape	Hexagonal
4.	Working temperature	≤1200 ⁰ C
5.	Work surface size	Diameter 1000mm, Height 1600mm
6.	Furnance lining	Combined: heat-resistant concrete, refractory bricks, fibrous materials
7.	Heat treatment control	Machine body should have a hole for control thermo pair inserting. Heat treatment must be controlled automatically.
8.	Heating elements	Must be protected against mechanical damage
9.	Furnance cap	Must be controlled manually
10.	Furnance bottom	Has heating, must be protected from mechanical damage by a plate
11.	Remote control	Must be installed in a separate crate
12.	Digital display for data	Programmable system with a display
13.	Installed program quantity	At least 6 programs with 10 steps each
14.	Power Supply	(3x400)V
15.	Power consumption	≤90 kW
16.	Remote control protection class	At least IP45
17.	EU Standard	CE mark
18.	Documentation	Manuals Specification with part lists and spare parts Documentation in Russian
19.	Additional requirements	Quotation price might include: - delivery price to the factory - assembly and first - personal training
20.	Warranty	- At least 24 months - Post-warranty support - The possibility of replacing parts and components
21.	Additional notifications	- Delivery date - Payment conditions - Base equipment payment amount - Additional options payment amount (additional options list) - Complete payment amount