



PRIVATE JOINT STOCK COMPANY "KAMET-STEEL"

**TECHNICAL SPECIFICATION
for Supply of a CNC Mobile Wheelset Reprofilng Machine
PKS-2 Type**

Investment Project: Provision of Wheelset Reprofilng Capability

Location: Kamianske, Ukraine, 2026

Section	Title	Requirement
1	Scope of Supply	One CNC mobile wheelset reprofiling machine of PKS-2 type complete with an external wheelset drive system and synchronized lifting equipment.
2	Installation Site	Railway Transport Department, PJSC KAMET-STEEL, 18B Soborna St., Kamianske, Dnipropetrovsk Region, Ukraine.
3	Purpose	Reprofiling of locomotive wheelsets without removing the wheelsets from under the locomotive.
4	Technical Characteristics	Wheel diameter 700-1250 mm; maximum tyre width 143 mm; control cabinet 220 V, 50-60 Hz, single phase, 15 A; feed rate 20-35 mm/min; rapid traverse above 2000 mm/min; maximum cutting depth 1.5 mm. Dimensions and weight shall allow positioning under TGM-4, TGM-6, TEM-2 and TEM-7 locomotives.
5	Operating Conditions	Designed for continuous and reliable long-term operation.
6	Equipment Completeness	Mobile machine module; cutting tools and toolholders for commissioning; electrical control cabinet; wheelset drive kit; synchronized lifting equipment with hydraulic power unit, hoses and quick couplings; technical documentation.
7	Design Requirements	Suitable for operation both inside and outside locomotive repair facilities. Capable of machining TGM-series locomotive wheelsets using an auxiliary drive.
8	Maintenance and Storage	Supplier shall provide maintenance intervals, maintenance and repair procedures, and storage requirements.
9	Power Supply	220/380 V, 50 Hz.
10	Electrical Equipment	All supplied electrical equipment shall comply with KAMET-STEEL unified technical requirements for power and conversion equipment.
11	HSE Requirements	Equipment shall comply with applicable legislation of Ukraine, LOTO requirements and occupational safety regulations.
12	Metrology	Not required.
13	Automation	Not required.
14	Software	Machine software shall be open and accessible for plant personnel.
15	Warranty	Minimum warranty period: 12 months. Prompt correction of defects attributable to the supplier.
16	Measurements	Not required.
17	Commissioning	Commissioning and start-up services are required.
18	Patent Clearance	Equipment shall be free of patent infringements in industrialized countries and certified for use in Ukraine.
19	Additional Requirements	None.
20	Training	Training of Railway Transport Department maintenance personnel by supplier representatives is required.
21	Documentation	Documentation shall comply with DSTU GOST 2.610:2006 and include product passport, technical description, installation instructions, CNC

		operator manual, electrical and kinematic diagrams, and warranty certificate.
22	Packaging	Packaging shall protect equipment during storage, transportation, loading and unloading and comply with Ukrainian standards.
23	Marking	Durable and clearly visible marking in accordance with applicable standards, including lifting and slinging instructions.
24	Manufacturing and Delivery Time	Less than 90 calendar days.
25	Technical Proposal Requirements	Technical specification, productivity calculations, dimensions, operating modes, service requirements, spare parts list for one year, expected service life, operating procedure, layout drawings, assembly drawings and warranty data.
26	Commercial Proposal Requirements	Delivery terms, payment terms, delivery schedule, service scope and reference list of similar supplies.

Responsible Department: Railway Transport Department (UZT)