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*Operation of the **UMPK OS-38** System*

DDAP-RAX LLC is the manufacturer of finished railroad axles for Ukrainian market as well as for the countries of Europe, Asia and America.

Magnetic particle inspection [System for the railroad axles testing **UMPK OS-38**](#) manufactured by ULTRACON-SERVICE LLC is being exploited by our enterprise since January 2022. It is used as a stationary quality control post integrated in the technological production line of the railroad axles.

UMPK OS-38 System ensures testing of finished products by the magnetic particle luminescent method in accordance with the DSTU EN ISO 9934, GOST 21105, ISO 6933, ASTM E1444 standards requirements to the MPI and provides confident detection of the surface flaws of different orientation on the railroad axles as per EN 13261, AAR M-101, AAR S-659, DSTU GOST 31334, GOST 33200, RD 32.144-2000 standards requirements.

Manufacture and assemblage of the **UMPK OS-38** System are completed taking into account customized requirements to building, dimensions and disposition of the System itself and its control units.

To date, the System's being successfully used; it allows to follow the requirements of both internal and export specifications to high quality non-destructive testing of the axles.

In February 2022, the Magnetic Particle Inspection System **UMPK OS-38** for railroad axles testing successfully passed the audit (Technical Inspection of finished axles) in compliance with the Standard AAR S-659 (Section G-II).

Deputy Head of Q&C

A.V. Pitsyk