

PRODUCTION PROGRAM

TÜV
SÜD

Production monitored
Safety tested



**TATRAVAGONKA
BRATSTVO**



History of the factory began in 1886, primarily through the repair of railway freight wagons, later locomotives and passenger wagons, as well as production of steel structures and transport and handling equipment (such as cranes, bridge cranes etc.). In the period after 2000th, production program was profiled for repair, revision, reconstruction and production of new freight wagons and their spare parts. The number of employees varied depending on the economic situation in the region; maximum was reached in the 80's of the last century– 1.500 employees. In March 2011, the factory became a member of Tatravagonka Poprad group and changed its name to Tatravagonka Bratstvo.

The factory occupies an area of 17 hectares, is strategically well located in the southwestern part of the city of Subotica, behind the fence directly connected to the Railway Corridor Budapest-Belgrade. Road connectivity is provided through the regional road from Subotica to Novi Sad, the factory is only 3 km away from the international highway Budapest - Belgrade.

Under Tatravagonka's leadership, in Subotica was created the competitive manufacturing base for inspection, revision, repair, reconstruction and production of freight wagons and spare parts in the Balkans, and with the infrastructure, technological equipment and manpower skills in the line with European standards. Currently the factory has 270 employees, with the professional structure that corresponds to the main orientation of the factory. Employees are divided into several departments such as: design, technology, production, quality, sales, purchasing and finance department. The manufacturing process includes professions as welders, locksmiths, metal machinists, blacksmiths, painters, carpenters and others.



Factory possesses all the necessary certificates for its activities such as:

- ECM
- VPI
- Approvals by the railway companies in the region
- In the area of quality: TÜV - EN ISO 9001:2008 certificate
- In the field of welding: EN ISO 3834-2, CL1 degree according to DIN EN 15085-2, DIN EN 14025 according to RID 6.8.2.1.23
- In the field of non-destructive testing (NDT Railway): certificate according to DIN 27201-7 issued by W₂S.cert GmbH
- For works on the vital brake components: license from Knorr, Dako and approval by Serbian Railways for repair of brake devices made by Knorr and Oerlikon
- Environmental Management System EN ISO 14001:2004
- OHSAS 18001:2007



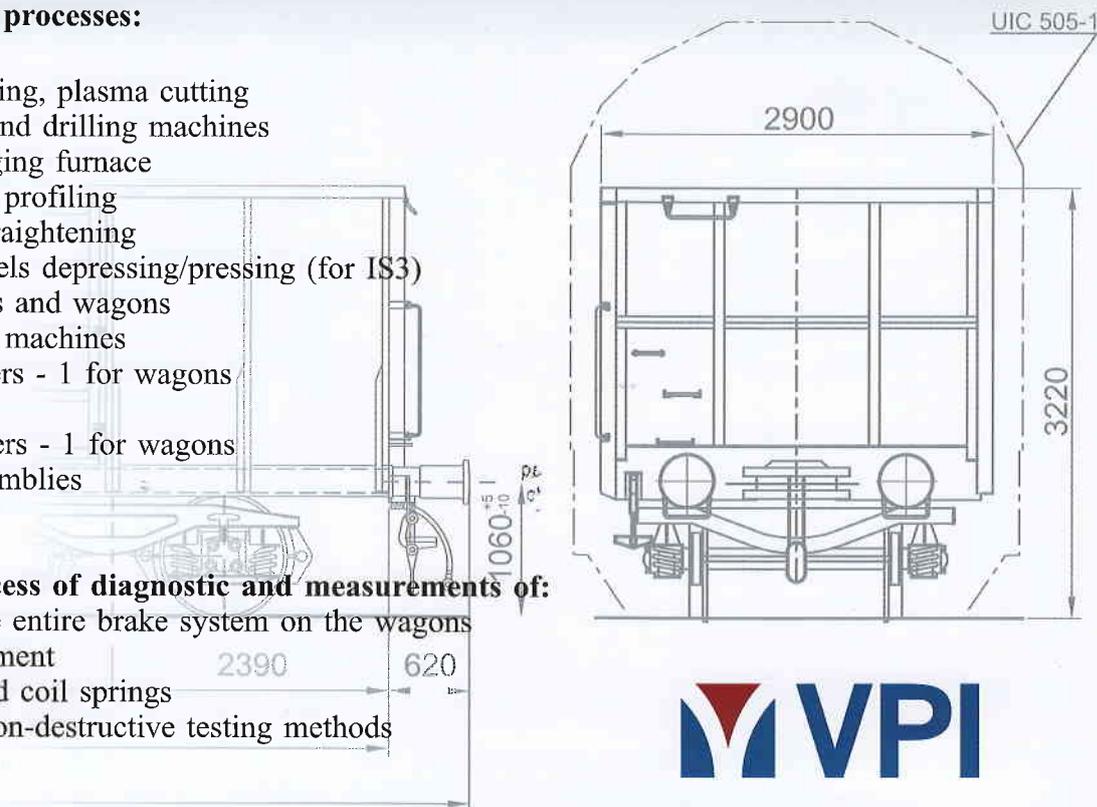
For design work we currently use AutoCAD software; the factory is able to prepare technical documentation for wagon reconstruction, different spare parts, production of jigs and steel structures. Factory is the owner of technical documentation for 12 different types of wagon reconstructions and 8 types of new freight wagons

Technological equipment is continuously modernized and it covers all necessary production processes:

- Mechanical and gas cutting, plasma cutting
- Presses, lathes, milling and drilling machines
- Forging presses and forging furnace
- Special lathes for wheel profiling
- Hydraulic presses for straightening
- Hydraulic press for wheels depressing/pressing (for IS3)
- Assembly jigs for bogies and wagons
- Semi-automatic welding machines
- Modern blasting chambers - 1 for wagons and 1 for wheel sets
- Modern painting chambers - 1 for wagons and 1 for bogies/subassemblies
- Woodworking machines

... as well as for the process of diagnostic and measurements of:

- Vital brake parts and the entire brake system on the wagons
- Buffing and draw equipment
- Suspension link: leaf and coil springs
- Testing equipment for non-destructive testing methods (UT, MT, PT, VT)

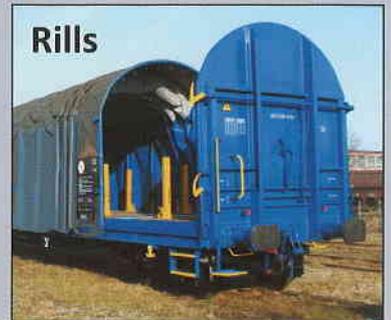


Production floor area is 21.500 m², production halls are equipped with the bridge cranes, whose loading capacity is to 25 t. Transport between buildings/production halls is realized by forklifts, with the loading capacity up to 10 t. Production halls are fully equipped with technical gases distribution – for oxygen, acetylene and CO₂.

The annual capacities of the factory are: around 1.000 major wagon revisions and production of 100 new wagons.



Tads



Rills



Shimms



Zacens



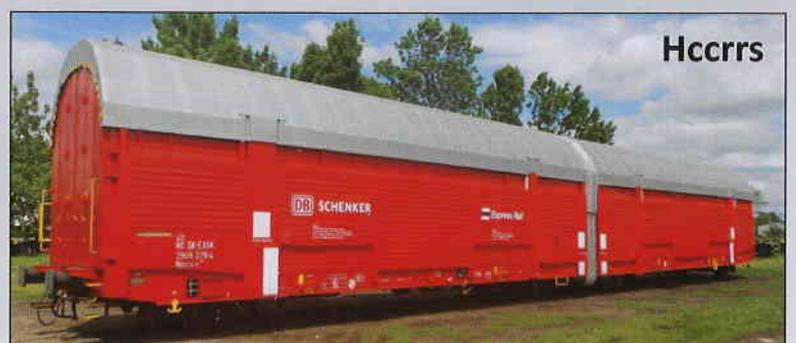
Res



Eas



Laers



Hccrrs

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