

## SaZ s.r.o. — RELIABLE MACHINERY FOR THE RAILWAYS

**SaZ s.r.o.** is a Czech mechanical Engineering Company, which since 1954 has specialized in the design, production and repair of special road and railway machinery, road-rail vehicles (double-track machines), in particular rail machines with telescopic lifting platforms, insulated platforms for working with contact wires and rail layers, machines for flash-butt welding of rails, railway track layers and other equipment designed for servicing the railway and tram tracks.

**SaZ s.r.o.** production range includes railway platforms and transporters, railway boogies, body superstructures, access ramps, etc.

**SaZ s.r.o.** main clients are large construction companies, municipal transport companies, fire and road transport services, as well as small companies, involved in maintenance and repair of railway and tram tracks.

Since 2011 **SaZ s.r.o.** has also concentrated on engineering, namely: highway construction, road construction, railway construction, real estate construction and other construction work.

Over these years **SaZ s.r.o.** Company has grown and has become one of the main suppliers not only in Czechia and Slovakia, but also in many other countries, for instance in Denmark, Italy, Hungary, Poland, Germany, France, Spain, Austria, Bulgaria, Latvia, Lithuania, India, Australia, Azerbaijan, Ukraine, Ghana, Israel, and oth.

Continuous investments into research and development allow **SaZ s.r.o.** Company proposing innovative and high-quality products, which meet the highest technical standards and clients' requirements. Our modern production facilities and a team of qualified experts ensure that each product leaving our shops is a guarantee of reliability and productivity.



**SaZ s.r.o.** double-track machinery performs the tasks of renovation and construction of the tracks, cleaning the railway track from sand, dirt, snow, maintenance and upgrading of power transmission lines. The Company product line also includes special double-track fire trucks



Double-track machine DUOLINER MIJ is designed primarily for conducting expert operations on bridge structures, diagnostics and detailed inspection of both road and railway bridges



Double-track machine R DUOTRAM H is designed for movement and working on the motor roads, railway and tram tracks, predominantly for maintenance of contact lines

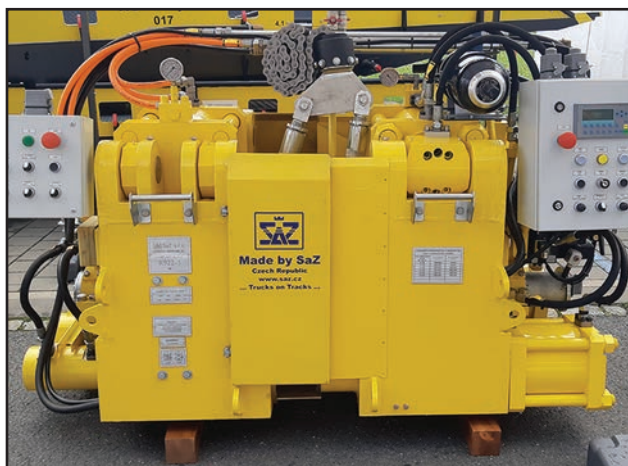


Double-track machine IT DUOLINER is fitted with a working platform with scissors for railway maintenance, hydraulic valve and measuring pantograph

**Company Certification.** In addition to certificates of quality control system ISO 9001:2015, certificates of the environmental management system ISO 14001:2015 and certificate of conformity of production management EN ISO 3834-2:2005, **SaZ s.r.o.** also has other certificates that demonstrate a high standard of quality.

## UKRAINIAN-CZECH COOPERATION

Seventy-year experience of **SaZ s.r.o.** successful operation has found its implementation in solving the ever-present problem — creation of efficient equipment for welding the railway rails. In 2023 **SaZ s.r.o.** Company in close cooperation with the E.O. Paton Electric Welding Institute (PWI) of the NAS of Ukraine successfully set up production of double-track



rail-welding complexes **WELDERLINER**, fitted with K922-1 mobile machines for flash-butt welding (FBW).

**SaZ s.r.o.**, which previously did not specialize in welding equipment, mastered production of K922-1 machines for FBW in a very short time frame, ensuring an extremely high production quality.

Mobile (suspended) K922-1 machine is an original development of the PWI and it implements the innovative technology of pulsed flash-butt welding. K922-1 machines are fitted with a modern computerized system of multifactor monitoring of welding parameters, high-speed hydraulic drives, as well as a cutting device, which removes the hot flash without unclamping the welded rail section. The welded butt joint can be held during the time required for cooling of the joint to the specified temperature. K922-1 machines have been successfully used, as part of mobile rail-welding complexes, for dozens of years in many countries of the world on all the continents, both for construction and repair work on rails of any types and dimensions.

Double-track **WELDERLINER** complexes, fitted with K922-1 machines, meet all the requirements of the international safety standards for the quality of welded butt joints of rails, and the requirements on EU environmental indicators.



**SaZ s.r.o.** Company has successfully fulfilled the contracts for supplying several rail-welding **WELDERLINER** complexes to customers in the EU countries. **WELDERLINER** complexes have successfully passed comprehensive testing specified by the European standard EN 14587-2:2009.

For Ukraine, as a country with an extremely extensive network of railways, introduction of **WELDERLINER** complexes, fitted with modern mobile K922-1 machines, is highly relevant. **SaZ s.r.o.** Company provides maintenance of **WELDERLINER** complexes,

service, training of the operators and engineering personnel. All the testing and adjustment operations in the rail-welding complexes of **SaZ s.r.o.** Company are conducted with the participation of PWI specialists.