Kryukovsky Railway Car Building Works Public Joint-Stock Company is a leader in manufacturing of transport means in Ukraine, including railway rolling stock.

During almost a 150-year history the team of the plant has succeeded in changing its business activity from providing maintenance and repair of railcars to a complete production cycle of freight cars and passenger railcars, as well as subway cars and escalators, including the development of documentation and switch to mass production (since 1930 KRCBW has produced around 500,000 freight cars, and since 2001 – more than 500 passenger railcars, subway cars, and high-speed intercity trains).

Possessing comprehensive manufacturing possibilities, design and technology potential, having a 50-year experience in designing military engineering equipment, deeply analyzing the situation in the market, having combined the achievements of the last years with ideas and opportunities of the new time, closely cooperating with governmental institutions and business entities, Kryukovsky Railway Car Building Works is on the way towards enlarging the range of products, enhancing its performance characteristics, developing new direction for its business activity and producing high-quality products which meet the latest requirements of the market.

High-speed intercity electric trains and locomotive-hauled trains, electric and DMU shuttle trains, subway cars with alternating-current and direct-current drives, locomotive-hauled passenger railcars of different models and classes (the 1st, 2nd and 3rd sleepers, soft-seat cars, specialized railcars), including those for RIC international transportation, freight cars for different purposes (gondola cars, hopper cars, boxcars, flatcars, tank cars, specialized railcars), floor and tunnel escalators, spare parts and components for freight and passenger railcars, subway cars, escalators, subway equipment, etc.

The possibility of a quick re-equipping of the production for manufacturing new products, constant striving of the team for obtaining high-quality products which is confirmed by the existing quality management system at the plant, adherence to the unchangeable principles “from the decisions made to the end result”, maintenance of reputation as a reliable partner are among the characteristics of the production process of the plant.
more than 6,000 employees;
high-technology production that ensures a yearly production of up to 12,000 freight cars, up to 300 units of passenger transport, including passenger railcars, subway cars, electric and diesel-powered trains, 15 tunnel escalators with a rise height up to 65 m, up to 10,000 t of different metal structures as well as freight and passenger car bogies, spare parts for all products.
Around 400 engineers – designers and process engineers are engaged in performing of design and technological works aimed to develop and produce the products of the plant.

Design process and optimization of works are performed on computer graphic stations using special software:
- Pro / Engineer;
- AutoCad;
- Pro / Mechanica;
- Ansys
FREIGHT CAR PRODUCTION COMPLEX

with a total area of 169,110 m² ensures the production of 5 different models of freight cars at the same time and undercarriage components for these railcars

Production area of hopper car for grain transportation

Boxcar production area

Production area of hopper car used for cement transportation

Gondola car production area

Tank car production area

Wheelset production area
PASSENGER CAR PRODUCTION COMPLEX

with a total area of 43,063 m² ensures the production of locomotive-hauled passenger railcars, electric and diesel-powered trains, subway cars, bogies for public transport.

- Assembly and welding production shop
- Assembly production shop
- Spare part storage area
- Surface preparation chamber and paint booth
- Production shop for manufacture of bogies for public transport
- Production area for manufacture of railcar interior elements from plastic-faced plywood
UNIQUE TECHNOLOGICAL EQUIPMENT

AMADA FO-4020NT LASER CUTTING MACHINE

DAVI PROMAU MCB320 4 ROLL BENDING MACHINE

AMADA HFT 80.25, HFE 220.3 HYDRAULIC PRESS BRAKE

SORALUCE FR-10.000 MILLING AND BORING CENTER WITH HEIDENHAIN ITNC-530 CNC SYSTEM

SORALUCE FL-5.000 MILLING AND BORING CENTER WITH HEIDENHAIN ITNC-530 CNC SYSTEM (table dimensions 3 x 3 m)

SORALUCE FL-5.000 MILLING AND BORING CENTER WITH HEIDENHAIN ITNC-530 CNC SYSTEM (table dimensions 1.5 x 5 m)
UNIQUE TECHNOLOGICAL EQUIPMENT

ZENIT-3015 LASER CUTTING CENTER
AMADA EUROPE-258 TURRET PUNCHING MACHINE
PPMS-500/5 HYDRAULIC PRESS WITH FACCIN MAS-60 AUTOMATIC MANIPULATOR
FACCIN BFS 25/5 AUTOMATIC FLANGING MACHINE
FACCIN 4HELS-3539 4 ROLL BENDING MACHINE
HOUFEK CNC MACHINING CENTER SCORPION H21
QUALITY MANAGEMENT SYSTEM

In 1996 the quality management system of the plant was certified in accordance with the requirements of international standard ISO 9001:2008 and national standard DSTU ISO 9001:2009.

In 2013 the International Railway Industry Standard (IRIS) was introduced at the plant.

INCOMING CONTROL OF MATERIALS AND QUALITY CONTROL OF MANUFACTURED PRODUCTS

In accordance with the existing quality management system of the plant materials, for the production purposes only those semi-finished products, spare parts and components can be used which have passed a compulsory 100% incoming control.

In order to control the quality and quantity of manufactured products, as well as to confirm compliance with the established requirements, the plant performs a permanent monitoring and measurement of products at different stages of their production.

The control is entrusted to workers, production supervisors and inspectors of the Product Quality Department.
WARRANTY AND MAINTENANCE SERVICE AND TRAINING

Kryukovsky Railway Car Building Works provides warranty for all its products for the period specified in normative documentation.

The plant has two service centers that perform a 24-hour work associated with inspection of all railcars regardless of their allocation. Besides that, in order to perform continuous maintenance of railcars within the warranty period and to provide a non-stop work of the system and equipment, specialists of the service centers visit stations / depots to which the railcars are allocated.

Within the warranty period on the customer’s territory, a warehouse of spare parts and components is formed in order to reduce idle time of the equipment which failed.

*Specialists of the plant are ready to provide maintenance service of the supplied products during the after-warranty period, if required.*

The training center of the plant has a license of the Ministry of Education and Science of Ukraine for training 26 blue-collar occupations and prepares specialists of the main blue-collar occupations for the plant and operating companies.

There are special training rooms and classrooms (for machining, welding, high-pressure vessels, labor safety, computer room, room for lectures and room for advanced training of management) at the plant.
FREIGHT CAR PRODUCTION

Kryukovsky Railway Car Building Works offers 45 models of modern main-line freight and specialized railcars of different types and constructions to date.

Our railcars with their flexibility, easiness in operation, and high reliability have won recognition from many customers.

The production and technology basis of the plant allows to quickly switch the production lines to manufacture different models and modifications of railcars.

Products for 1520 mm track gauge:

- Gondola cars;
- Hopper cars for grain transportation;
- Hopper cars for transportation of mineral fertilizers;
- Hopper cars for transportation of alum earth;
- Hopper cars for transportation of cement;
- Combined railcars;
- Flat cars;
- Boxcars;
- Tank cars;
- Undercarriage components;
- Spare parts.

Products for 1435 mm track gauge:

(Europe, Iran, China, Canada, Cuba, etc.)

- Gondola cars;
- Hopper-bottom cars for grain transportation;
- Flatcars;
- Tank cars;
- Undercarriage components;
- Spare parts.

Innovative product:

- Gondola car with 25 ton-axle load for 1520 mm track gauge;
- Hopper-bottom railcar for grain transportation with 25 ton axle load for 1520 mm track gauge;
- Bogie with 25 ton axle load for 1520 mm track gauge.
At its 15-year anniversary, the passenger railcar sector is one of the youngest lines of business of Kryukovsky Railway Car Building Works.

During this time, specialists of the plant created a unique national basis of normative documentation on technical requirements to passenger rolling stock and the current world level of operational safety and environment protection.

The plant mastered and put into production 48 models and modifications of locomotive-hauled passenger railcars, RIC passenger railcars on trucks of 1520 mm (160 km/h) and 1435 mm (200 km/h) track gauge, 7 models of subway cars with alternating-current and direct-current drives, 29 models and modifications of undercarriage components, including those mounted on pneumatic (air) suspension, high-speed intercity electric trains and locomotive-hauled trains.

Standard equipment of the railcar interior being manufactured by the plant contains systems of air conditioning, hot and cold water, closed-circuit sanitary equipment, information system, monitoring system, train automatic system of diagnostics, etc.

The plant started developing a family of electric locomotives and electric shuttle trains.

If requested by the customer, the plant is ready to offer the production of railcar bodies from aluminum and stainless steel which comprehensively increases the service life, and equipment of interiors may be enhanced by equipping with TV, DVD, Wi-Fi, satellite navigation and communication systems, etc. using advanced materials and components.
PASSENGER RAILCAR PRODUCTION

- Passenger railcars (1st, 2nd, 3rd classes, designed for transportation of disabled persons, restaurants, specialized railcars);
- RIC passenger railcar on trucks for 1520 mm (160 km/h) and 1435 mm (200 km/h) track gauge;
- Double-deck electric intercity trains with a speed of up to 200 km/h;
- Intercity locomotive-hauled train sets with a speed up to 160 km/h;
- Diesel-powered trains with a speed up to 140 km/h;
- Electric shuttle trains with alternating-current and direct-current drives with a speed up to 160 km/h;
- Subway railcars with direct-current railway motor;
- Subway railcars with alternating-current railway motor;
- Undercarriage components (bogies);
- Spare parts for all products being produced by the plant.

Projects:

- Double-deck passenger railcar with a body made of extruded aluminum panels;
- Electric intercity train with a speed up to 250 km/h;
- Streetcar (tram-car);
- Two-section electric freight locomotive for direct-current and alternating-current lines;
- Shuttle trains with alternating-current and direct-current drives.
Development of new areas of business activity allowed the plant to master the production of various spare parts for escalators within a short period of time.

Experience in production and technology, as well as eagerness to have a complete production cycle, gave the opportunity to develop and construct original design of floor and tunnel escalators that are being operated in the subways of Kyiv, Minsk, Saint – Petersburg, Moscow, administrative buildings of Kharkiv and Lviv.

Kryukovsky Car Building Plant was the first in Ukraine that has created a large-scale production of containers for transportation of different bulk cargos using specialized transport. Permanent development of this type of products allowed designing more than 200 models and modifications of containers that correspond to international standards. For over 20 years, the plant has been exporting such containers to the EU countries.

Taking into account the customers’ requests, the plant started producing a wide range of spare parts for mining and processing works, mines, agricultural equipment, and welded constructions based on individuals orders, as well as producing mid-range powered graders.

- Tunnel escalators with a height range of 3 to 65 meter;
- Tunnel escalators of narrow guide rail (railing);
- Floor escalators with a height range of 3 to 6 meter;
- Spare parts for escalators;
- Containers for transportation of bulk materials;
- Welded constructions based on individual orders;
- Powered graders;
- Vehicle semi-trailer capacity is 60 tons;
- Track-trench machine.
GEOGRAPHY OF PRODUCTS SALES of KRYUKOVSKY RAILWAY CAR BUILDING WORKS PJSC
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