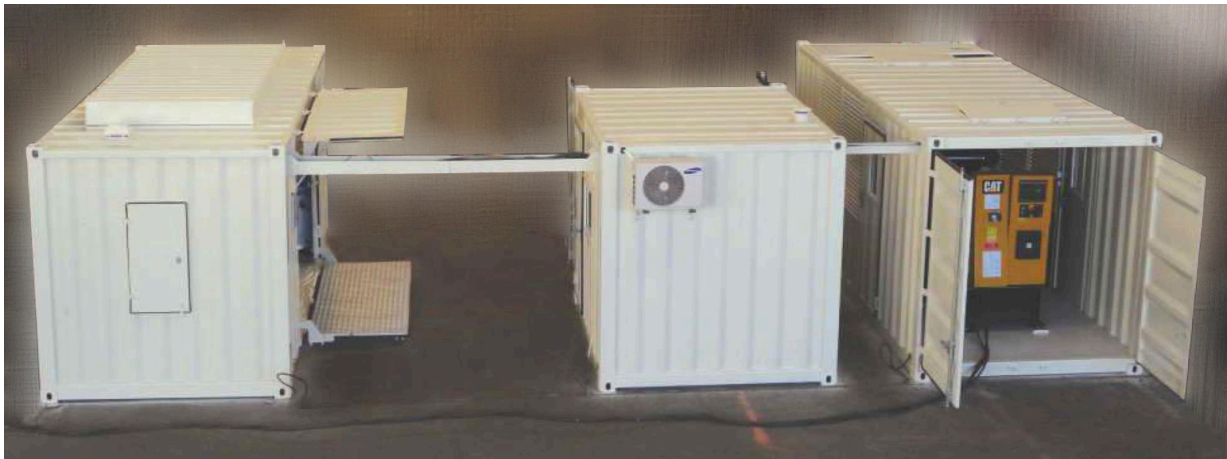


## Mobile Container Complex based on the K1000/K1100 rail welding machine



The complex is designed for flash-butt welding in stationary conditions with continuous or pulsed flashing of rails with a cross-section of 5000 up to 1000 mm<sup>2</sup> into rail weaves up to 1000 meters long during the construction of continuous (including high-speed) railway tracks with burr removal immediately after welding.



The welding complex is absolutely autonomous: it is located in three containers designed for transportation by road, and is capable of operating in any climatic conditions, with ambient temperatures ranging from +5 degrees Celsius to +50 degrees Celsius.

The first container contains the K 1000 rail welding machine itself, a pump station, an autonomous cooling station for the welding machine, an autonomous cooling station for oil in the hydraulic system, and an exhaust ventilation device.

The second container contains a diesel generator set.

The third container contains control equipment, air conditioning and a workplace for maintenance personnel.



In the case of using K 1000 container-type rail welding machine significant savings are made due to the optimal delivery of rails and the delivery of rail strands directly to the place where the rail bed is laid. The autonomy and mobility of the K 1000 welding complex allows us to organize the production of rail strands in the shortest possible time and reduce the construction time of railways.



## Specifications

	<b>Mobile Container Complex based on the K1000/K1100 rail welding machine</b>
Number of circuit power phases	2
Number of auxiliary circuits phases	3
Short circuit resistance, $\mu\text{Ohm}$	70
Maximum short circuit power, kVA	600
Maximum secondary current, kA	84
Rated continuous secondary current, kA	19
No-load current of welding transformer, A	35
Welding power at DC-50%, kVA	180
Transformation ratio of welding transformers	56
Maximum deposition force, kN	800
Maximum operating pressure in the hydraulic system, MPa	20
The highest short-term productivity when welding rails with a nominal cross-section of types 60E1, P65, joint/hour	15
Size of weld reinforcement after deburring, mm	0.3-2.0
Nominal clamping force, kN	2000
Maximum draft, mm	20
Maximum settling speed, mm/s	100
Maximum stroke of the moving column, mm	115
Weight of the complex, kg:	
- container No. 1	14600
- container No. 2	7500
- container No. 3	3100
Overall dimensions of the complex, mm:	
- container No. 1	6058x2438x2591
- container No. 2	6058x2438x2591
- container No. 3	300x2438x2591