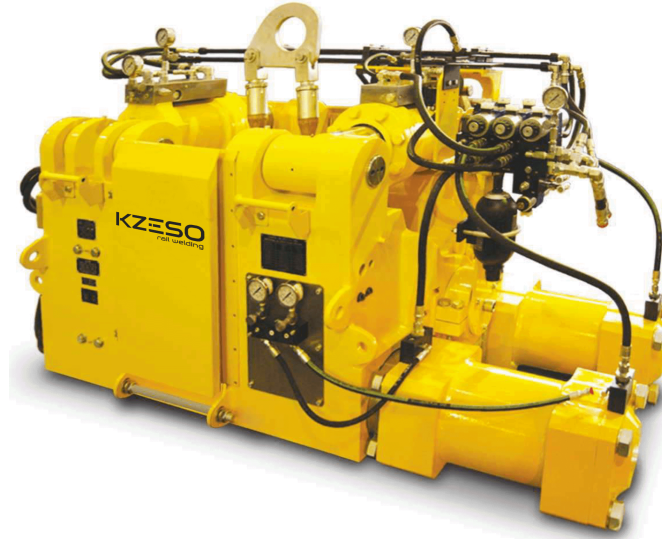


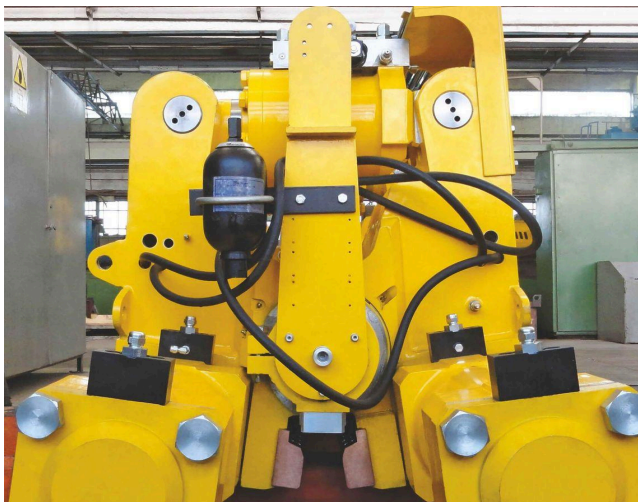
Mobile Flash Butt Rail Welding Machine K930, K945, K950, K955



We implement the wishes of our partners who are involved in the construction and repair of railway tracks into suspended rail welding machines. The result is high-quality welding of rails, including heat-treated rails.

The machines are designed for flash-butt welding under field conditions using pulsed flashing of rails with a cross-section of 6400–10000 mm² with burr removing immediately after welding.

Now the company produces new generation machines K 945, K 950, K 955. These models of suspended rail welding machines are developed on the basis of the commercially produced K 922-1 machine. These machines, as well as K 922-1 machines, have a rigid body and increased cross-sectional diameters of the upsetting rods and the central axis, which makes it possible to develop an increased upsetting force in these models, and this, in turn, makes it possible to weld rail shoots on the track with the lash tightening during the welding process. A distinctive feature of these machines is the increased stroke of the upsetting cylinder rods, which eliminates the interception operation when removing burrs and simplifies the welding technology, reducing the operational time of joint welding.



The design of the machines includes a throw-on deburring unit driven by built-in autonomous hydraulic cylinders. After going through the cycle of welding and deburring with a throw-on deburring unit, the machine can hold the welded joint for the time necessary for the joint to cool.

Specifications

	K945	K950	K955
Rated mains voltage / diesel power plant, V	380/400	380/400	380/400
Number of power phases of the mains supply	2	2	2
Number of phases of auxiliary circuits	3	3	3
Mains current frequency, Hz	50	50	50
Power at DC=50%, kVA	211	236	236
Scheme for connecting welding transformers to the network	phase-phase		
Scheme for connecting welding transformers to the mains	54	54	54
Rated continuous secondary current, kA	21.5	21.5	24
Short circuit resistance, microhm	125	115	110
Maximum short circuit power, kVA	500	500	500
Maximum secondary current, kA	67	67	67
Rated upset force, kN, at maximum operating pressure in the hydraulic system	1200	1200	1200
Maximum operating pressure in the hydraulic system, MPa	21	21	21
Drive of clamping and upset mechanisms	hydraulic		
Maximum clamping force at a pressure of 43 MPa, kN	2900	2900	2900
Deposition rate, mm/s, not less	20	20	20
Stroke of deposition cylinder rods, mm	400	250	150
Coolant flow rate at pressure of at a pressure of 0.15 MPa, l/min	25	25	25
Weight of welding machine, kg	3500	3500	3500
Overall dimensions of the welding machine, mm	2220x1030x1080	2000x1030x1000	1950x1060x1300