



Inductive vulcanizer -press of a series VICB

Are designed for connecting and repairing of rubber-fabric conveyor belts of width 650 and 800 mm using the method of hot vulcanizing in stationary conditions of engineering workshops or immediately on the conveyors.

CONSIST OF: upper and lower heating blocks, made of strong alloys and combined the functions of heaters and pressured grids, block of automated control for the temperature and the section for cable store, as well as mechanical tightening device with thrust bearings.

ADVANTAGES: induction heating method using the alternative current of commercial frequency in vulkanizer-press is realized and its advantages are:

- directed power transfer using the electromagnetic field easily to the working surface of heaters;
- high level of electrical and fire safety;
- high thermal efficiency, short time for heating to vulkanizing temperature;
- advanced reliability and service life of heaters (for 10 years of their work there were no breakage of induction vulkanizer);
- high quality of joint and repair of conveyor belts.



The experience of maintenance has shown, that at the correctly fulfilled jointing (the recommendations on connecting belts are included into the deliver package), the service life of the connection is equal to service life of the whole conveyor belt. Tests of conveyor belt connections of width 800 mm., carried out in the laboratory of conveyor belts (FTT STOMIL WOLBROM, Poland) had shown, that the strength of test connection 1,5 times higher than conventional norms, that is caused by high uniformity of pressure and temperature, and also beneficial influence of low frequency electromagnetic field on the vulkanizing process. Block-type construction allows transporting of vulkanizing press by any vehicle and provide the connecting process at several plants.

TECHNICAL CHARACTERISTICS

	VICB-650	VICB-800
Width of conveyor belt, mm, no more, than	650	800
Length of the connection, mm, no more, than	500	600
Temperature of vulkanizing, °C	145±6	
Specific pressure, MPa	0,8	
Voltage, V	380	
Installed capacity, kWt	4.8	5.2
Heating time up to vulkanizing temperature, min	25±3	
Mass of vulkanizer	150	200
Mass of a portable part of vulkanizer, kg, no more, than	27	35
Overall dimensions, mm, no more, than	800×500×400	950×600×400
Defense degree	IP 44	IP 44

ARE INTRODUCED: on conveyor belts factory (FTT STOMIL WOLBROM, Poland), Volzhskij automobile plant, joint company «Intersplav" KOP "Kyivmlun", on grain-processed factories of Crimea, Lugansk, Nikolaev, Odessa, Cherkassk etc. areas of Ukraine.