

## **SPOT REPAIR VULCANIZER**



### **NO.1 INTRODUCTION:**

During the running of conveyor, due to certain reasons, such as weight, fall, and equipment malfunction, etc, may lead to the exposure or leaking material. You must repair it immediately, when you use our repair machine, please repair it by vulcanization way on the surface of belt as the transporter stopping.

### **NO.2 TECHNICAL PARAMETERS:**

- (1) Working pressure: 0.5 MPa;
- (2) Vulcanization temperature: 145℃;
- (3) Rated power: 2 KW;



Item	Data	Model
		DLBRV-1 C Clamp Spot Repair Vulcanizer
Type of conveyor belt		Canvas, nylon and steel cord belt
Width range ( mm)		650-1400
Maximum size for belt repairing ( mm)		250×250
Heating plate size ( mm)		350×350
Vulcanizing temperature: 145 °C		Adjustable 0-200°C
Total power ( KW)		2
Voltage ( V)		220/380/440/660
Vulcanizing pressure ( Mpa)		0.5
Warm up time ( mins)		<30

### DLBRV-I-II CROSS BEAM SPOT REPAIR VULCANIZER





Item	Data	Model
		DLBRV-I Cross Beam Spot Repair Vulcanizer
Type of conveyor belt		Canvas, nylon and steel cord belt
Width range ( mm)		650-2200
Maximum size for belt repairing ( mm)		250×250
Heating plate size ( mm)		350×350
Vulcanizing temperature: 145 °C		Adjustable 0-200°C
Total power ( KW)		2
Voltage ( V)		220/380/440/660
Vulcanizing pressure ( Mpa)		0.8
Warm up time ( mins)		<30

### NO.3 QUICK TIPS

- 1 inch=25.4 mm;
- 1 MPa=10 bars=145 psi;

### NO.4 WHEN INQUIRY, PLEASE ADVISE THE FOLLOWING QUESTIONS:

1. Voltage, such as 220V/380V;
2. The spot broken size;
3. The types of your belt, such as rubber or steel cord or any other belts.

### NO.5 INSTALLATION AND OPERATION INSTRUCTION

1. Transport spot repair vulcanizer to working site;
2. Deal with the damaged part of conveyor belt;
3. Put the lower frame of spot repair vulcanizer right under the damaged belt, then put the water plate and lower heating plate under the damaged belt;
4. Put the upper heating plate and heat insulation plate above the damaged part, then tighten the screw till it can't be moved.
5. Connect power and control cabinet by primary (input) cable, connect heating plates and control cabinet by secondary (output) cable;
6. Connect water plate and pump (hand pump or electric pump) by high-pressure pipe, then turn on the power of control cabinet, meanwhile, pump water into water plate till designed (required) pressure.
7. After reach vulcanizing temperature, warm up for set time (as per thickness of belt), after vulcanizing process finished, connect heating plates and pump (or other cooling water) by water pipes and cool to 60°C.

**Remark: if it's not water cooling system, please ignore 7th step.**

### NO.6 OPERATION INSTRUCTION OF CONTROL CABINET

1. Adjust temperature controller to set temperature (such as 145°C), and put "ON" position of temperature indicator;
2. Turn on the power, power indicate lamp will be lit, ammeter and voltmeter have values, green lamp of



temperature indicator is on, temperature of heating plate rising, temperature sensor transfers signal to temperature controller. As the temperature of heating plates reach to set temperature, red lamp is on, stop working of heating plate.

3. When upper and lower heating plates reach to set temperature, turn on "TIMER";
4. Reach set time, close the power and repair belt process will be ended.