

# Big tyre point vulcanizing machine

This machine is designed to vulcanize patches for various vacuum tires, truck tires and special tires. It is characterized by timing heating, automatic thermostat, circuit protection, upper and lower iron providing sandwich heating or separate heating etc. Besides, it is equipped with seven-mold set, which absolutely meets the repair demands at any positions (for example, tire shoulder, tire tread, and tire side). Meanwhile, it is equipped with punch bag and thin stainless plate to assist repairing so that more flexibilities and convenience as well as efficiency can be provided to repair tires.

## Basic parameters

voltage: 220V

power: 2\*500W

Temperature range: 145-165°C

## Type Repair Methods

1. Clear surface of the wound which is going to be repaired on the wheel and make a mark.
2. Roughen surface of the wound with sander. The roughened area shall be rather larger than the wound. Internal side of the wound shall also be roughened if the wounded area is larger than normal to make the wound penetrated, and steel wire shall be cut off if the wire is exposed.
3. Hot setting glue shall be smeared uniformly on the roughened area. (A kind of glue which is made of foam glue and gas)
4. Make a piece of raw rubber with appropriate size and paste it on the wound. Raw rubber can be applied with cord or applied on both sides if the wounded area is larger than normal. (Note: when raw rubber is applied on both sides, the rubber shall fill the wounded area without air)
5. Press on pasted raw rubber with iron. It is recommended to put thin iron plate on raw rubber; try to keep the central area of the iron and the wound on the same vertical line, then fasten the screw rod to fix the tyre.
6. Connect the machine with power supply and set the timing switch to an appropriate time for repairing tyre. The switch can be switched to manual mode if timing is not necessary. Then switch on the iron, two irons can be switched on at the same time, or only switch on iron according to actual needs.
7. The power supply will be cut off when the set repair timing comes, which indicates that the repair is finished. But it is not allowed to loose the screw rod and take off the tyre at this stage. It is required to take the tyre off machine after the temperature of tyre is cooled for a while.

## Precautions

1. Power supply must be disconnected when installing/uninstalling the tyre.
2. The upper and lower iron of the machine can be hot when being applied. Use the machine carefully to avoid scald.
3. If dirt is stuck on irons or mould after being used for a period, dirt is required to be roughened off with fine rubber, or level and smoothness of repaired tyres can be affected.
4. When temperature of irons cannot reach required heat while conducting repair, detection shall be done at following steps:
  - ① Check connection between plug of irons and socket of the rack. Redo the plug if the connection is flexible.
  - ② Check if there is burnout and rupture on fuses. Replace fuses if it is not available.
  - ③ Check if there is looseness and separation on timing switch. Press and fasten the switch, and then reopen the timing switch for trial.