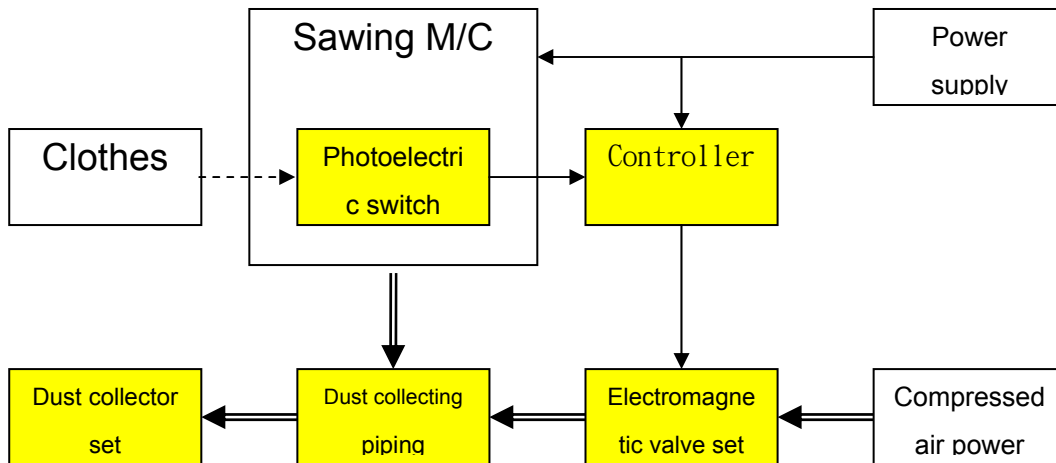


Welcome aboard of using dust collecting energy-saving control system JY-A produced by our company, which will reduce your compressed air consumption, minimize the worn-out of air compressor and operating cost.

The dust collecting energy-saving control system JY-A can be applied on the cocking machine of various brands.

1 Diagram of dust collecting energy-saving control system JY-A:



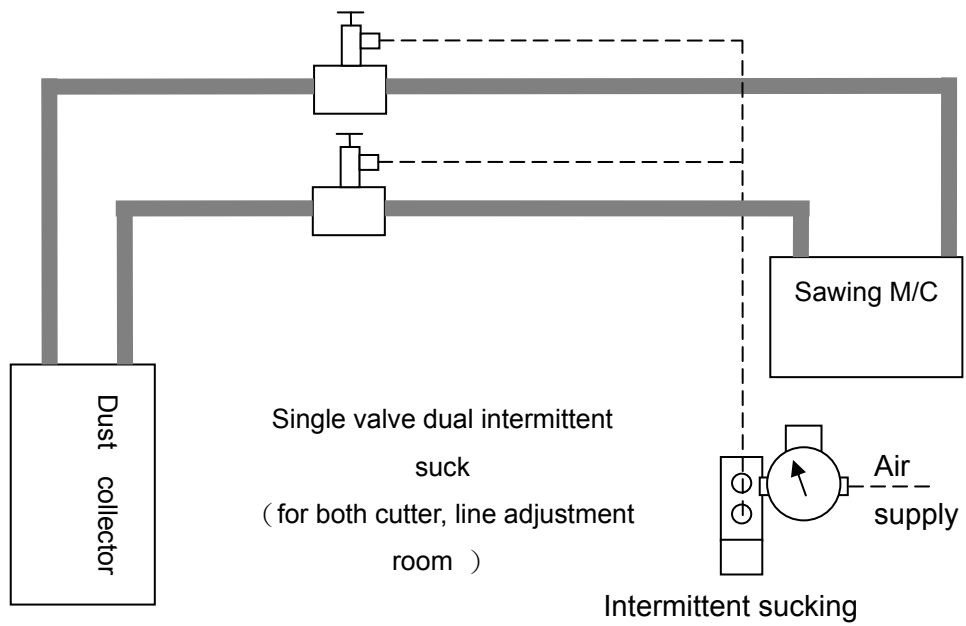
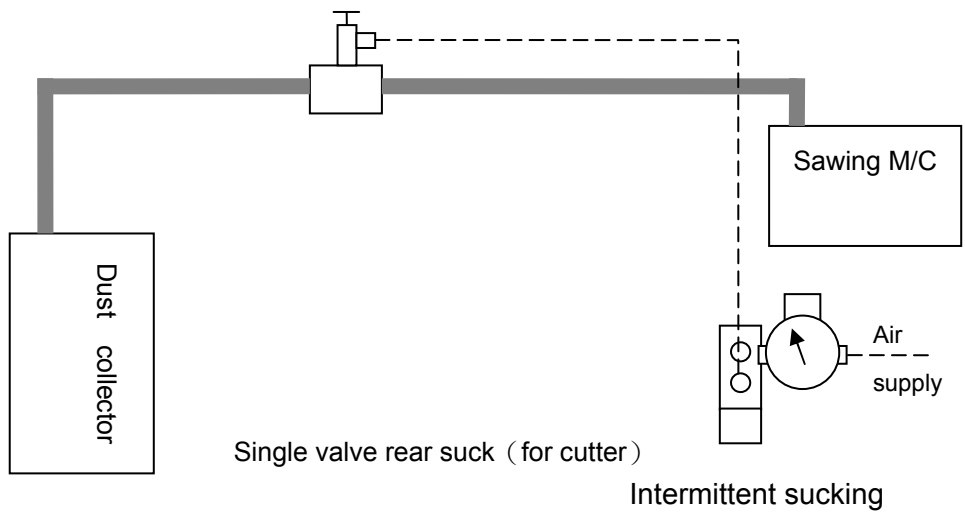
2 Element of dust collecting energy-saving control system JY-A:

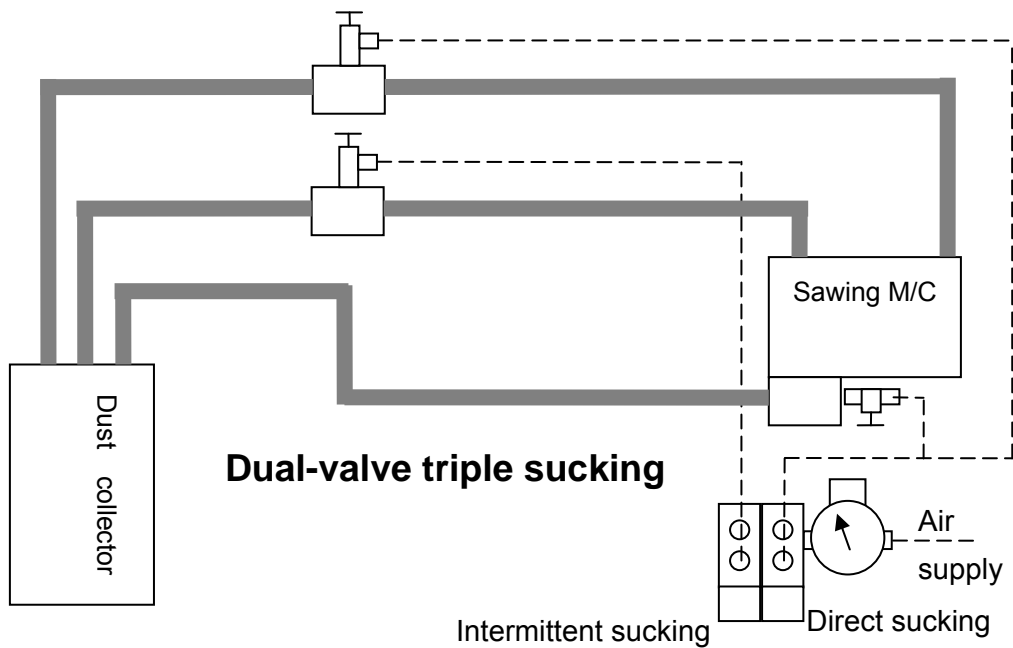
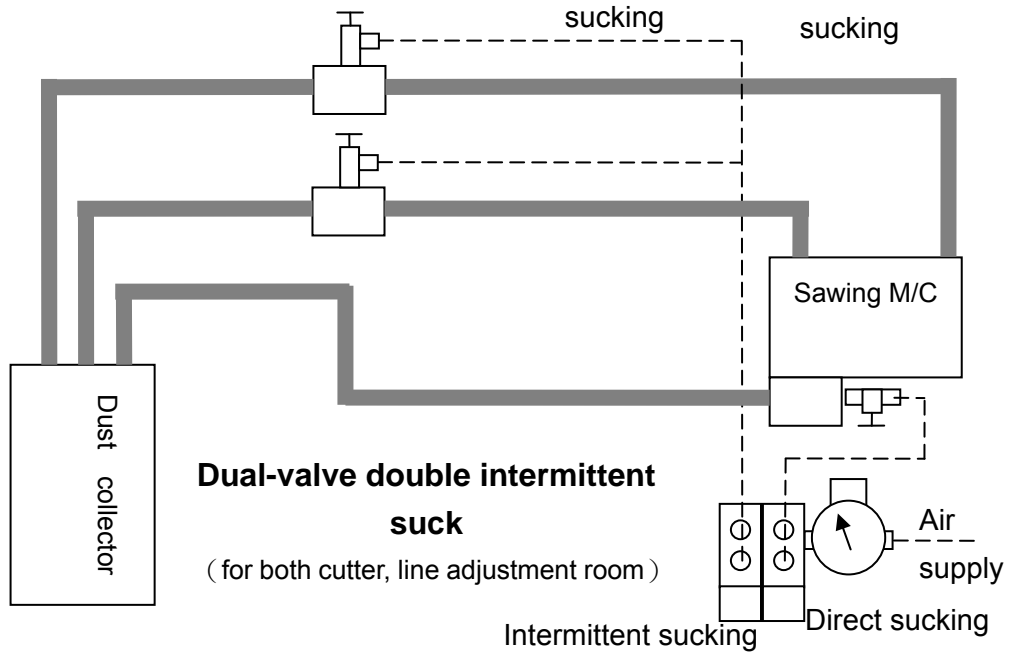
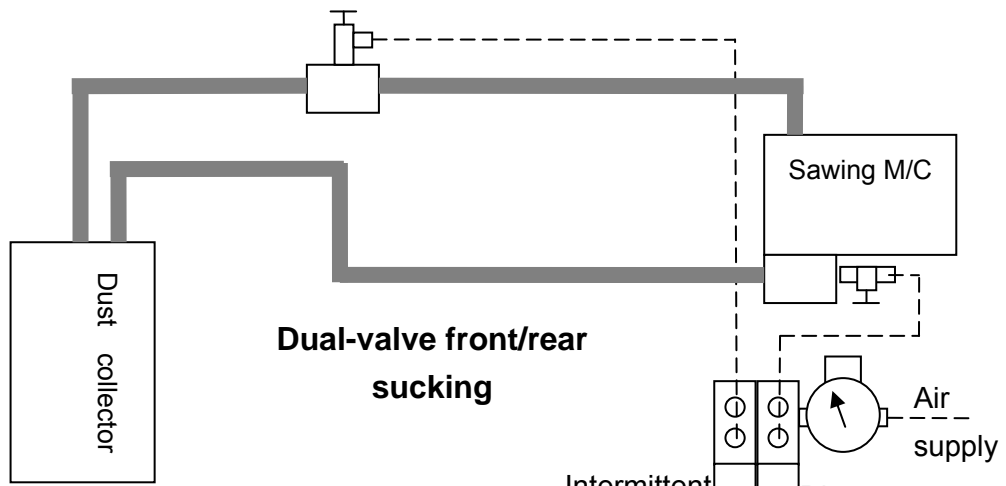
- 2.1 Photoelectric switch: detect the signal of clothes and send to the controller.
- 2.2 Controller: control the sequential function of the electromagnetic valves.
- 2.3 Electromagnetic valves group: the combination of compressed air in the supply of dust collecting piping.
- 2.4 Dust collecting piping: transfer the compressed air into vacuum to such the scraps.
- 2.5 Dust collector group: collector combination of sucking scraps.

3 Installation of dust collecting energy-saving control system JY-A:

- 3.1 Installation of Photoelectric switch:
 - 3.1.1 Using 2-M4*8⊕ screws to fasten it on sawing machine.
 - 3.1.2 Put the mounting sleeve along the Photoelectric switch cable to the controller.
- 3.2 Assembling controller, electromagnetic valve:
 - 3.2.1 Screw up the controller at the proper position beside the Photoelectric switch.
 - 3.2.2 Screw the electromagnetic valve up at the device rack beside the controller.

- 3.2.3 Connect the air supply to the power source.
- 3.3 Dust collector bag set: install at the lower left of the cart.
- 3.4 Dust collecting piping:
 - 3.4.1 Both cutter dust collecting piping and line adjustment dust collecting piping has accessed a sucking head. Please install according to the sucking direction as required.
 - 3.4.2 Insert the governor of hopper for blowing out scrapped clothes with 6ψ PU tube, then connect to the electromagnetic valve set.
 - 3.4.3 Electromagnetic valves set shall be connected 6ψ PU tube separately to the governor of the vacuum sucking head of the cutter dust collector piping, scraps group and line adjusting room.
 - 3.4.4 Installation of scrap clothes blowing out tube
 - 3.4.5 Dust collecting piping diagram:





- 4 The adjustment of dust collecting energy-saving control system JY-A:
 - 4.1 Photoelectric switch
 - 4.1.1 Switch on the sawing machine power switch and wait for motor in high speed turning, then start up controller switch.
Photoelectric switch light in green
 - 4.1.2 In adjusting the sensitivity of photoelectric switch indicator, using ⊖ driver to turn MAX direction for brighter, and reverse to MIN for dimmer. Never over-drive to the MAX-MIN range.
 - 4.1.3 In non-action status, if sensor still detected scraps and light in orange, the electromagnetic valve will keep the status in ON. It is necessary to fine tune the inclination angle of the optical sensor.
 - 4.1.4 When in using multiple color clothes near to each other, the photoelectric switch shall function in orange.
 - 4.1.5 Indicator shall light in green when clothes leave away.
 - 4.2 Lagging button of controller:
 - 4.2.1 The lagging time of 0.5~10 sec. is adjustable. Application range is suggested to be 2~5 sec. and no longer.
 - 4.2.2 Left button (front section) is for lagging time of stopping adjustment of cutter dust collector after start-up; while right button is for re-start up (rear section) of the cutter dust collector after clothes leave away.
 - 4.3 Governor of the dust collector:
 - 4.3.1 Only if the locker of governor released can be adjustable.
 - 4.3.2 Fasten tight to increase; while release to decrease. Please adjust the compressed air supply properly.
 - 4.3.3 Adjust the compressed air to 5 kg/cm^2
 - 4.3.4 Press back the locker of governor after properly adjusted.
 - 4.3.5 There are cutter dust collector, line adjustment room piping and scrap blowing out hopper available separately.

Start to use dust collecting energy-saving control system JY-A means to start saving compressed air consumption for your company.

- In case power interrupted, it is necessary to shut off the power switch of sawing machine and controller switch until the power recovery, then start-up the sawing machine and wait for motor speeding up to high rpm,

then switch on the controller.