

## Shrink Wrap Tunnel with Plastic Film Wrapper for Packing PET Bottles

This is a Shrink Film Wrapper and Heat Shrinking Machine for packing PET Bottles. Shrink Wrapping is now a days considered a cheaper and better option in place of cardboard boxes.

The machine is in two parts – the Shrink Film Wrapper and the Heat Shrink Tunnel. The Wrapper has been provided with a set of guides to be adjusted according to the number and size of bottles to be packed. The Shrink Tunnel is provided with a metallic mesh conveyor to withstand temperature, suitable heaters, temperature sensor and controller to maintain the required temperature and a set of fans to circulate the heat inside the tunnel. The machine is controlled by a central control panel where the temperature inside the tunnel, the speed of the conveyor, the fans and other functions can be easily controlled.



The PET bottles are kept on a table on the Wrapper. The operator then presses a switch and the machine automatically wraps the shrink film over them. The bottles are now moved forwards by the machine. Meanwhile the operator can keep the next set of bottles. The first set of wrapped bottles now move into the shrink tunnel. The shrink wrapped bottles come out of the other end of the tunnel where another fan cools down the plastic film. The packed bottles are now taken off. The process continues as each set of bottles are placed one after the other.

The wrapping of the film takes place pneumatically and so an air compressor is required. It has height adjustable washers on each of its legs so the Wrapper and the Tunnel can be aligned on the same level. It has a set of holders on the top and at the bottom to hold the shrink film roll which have to be fixed.

The width of the film rolls will vary according to the number and size of bottles to be packed.

The machine has a sturdy powder coated MS body built for a long life. Both the Wrapper and Shrink Tunnel have wheels below so they can be moved easily. With minor adjustments that can be done quickly, PET bottles of any size from 200 ml to 2000 ml can be packed. Note that the machine can be used for other items like cardboard boxes, glass bottles, regular and irregular shaped objects etc can also be packed.



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