

## FlowerTOP - FlowerSMALL - FlowerMINI

fully automatic machines for flower sleeves and triangular bags



The **FlowerTOP**, **FlowerSMALL** and **FlowerMINI** bag makers produce sleeves for cut flowers and potted plants, and triangular bags. Bag sizes can be modified very easily.

**Maximum width of film is 1100 mm on the FlowerTOP model, 900 mm on the FlowerSMALL model and 600 mm on the FlowerMINI model.**

Machines can work on LDPE and HDPE films, cast polypropylene, some types of BOPP, PLA.

Average speed of the machine is 60 cycles per minute that is 120 bags per minute as each cycle makes two bags. Speed can be higher depending on the film you are using and on the size of sleeve you are producing. Bags are automatically pre-counted and stacked. A photocell allows perfect registration in case of printed bags.

The machine can use tubular rolls that will be cut on line to open the sides, or 2 plain rolls that enter the machine as the same time. The unwinder includes a cutting unit for tear-off perforation on top of the bags. Each shaft has an automatic tension regulator to assure a constant tension.

Film proceeds to the central unit on which you can have optional accessories such as, for example, bottom seal and cold punching.

Film then enters the main sealing unit, where two adjustable electrodes perform the side seals. Both film advancement and the movement of the sealing head are controlled by servomotor.

All settings are easily done and changed on the machine's touch screen.

Bags are delivered in sets of two, stacked very precisely on the end unit.

On reaching the pre-set number of strokes the machine stops very briefly so that the pincers of the take-off unit can grab the bags and place them under the hot punching unit (that can be switched off). Pincers then place the stacks on the take-off conveyor belt.

The person who collects the bags at the end of the take-off belt only needs to pull the two stacks apart very slightly in order to separate them prior to packing, as the two stacks are slightly joined to each other in a few points along the central seal.



*On request: sealing bars for Y bouquet shape*

All models include the following parts:

- unwind unit with dancers, including two wheel cutters for pre-cut;



- photocell



- main sealing unit,  
control deck with touch screen



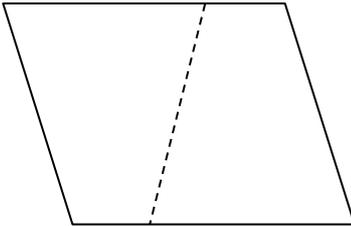
detail of the blocking unit  
at the exit of the main sealing unit



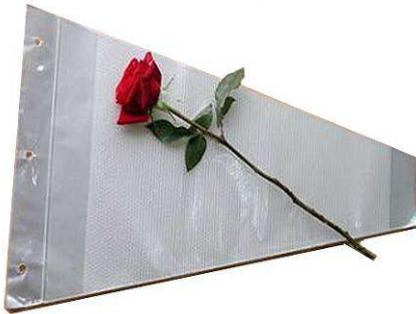
take off-unit:  
grabbing pincers and conveyor belt



*control deck of take-off unit*



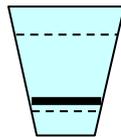
Two bags are made by one sealing stroke. They are slightly connected to one another along the central sealing line. Bags are stacked at the exit in the chosen quantity. We advise to set the machine so that each stack does not exceed 50 pieces. This makes it very easy to separate the stacks.



*Optionals:*

On the central unit you can have optional accessories, such as:

- *sealing heads for bottom seal*



- *punching heads for banana handles or other holes*



- *cold punching units*

