



double string, flat side (Magic line)



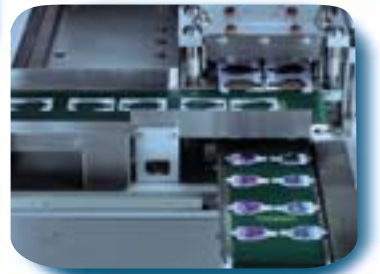
2-compartment pack (three film line)



stand-up



stand-up



SD 9

Form - Fill - Seal machinery

SD 9 is a vertical form film and seal machine which can produce containers for liquid, semi-liquid and solid products starting from one or two reels of plastic material. The final container can be either stand-up or standard by the simple and fast substitution of the film feeding and unwinding group. Developed to support different plastic materials either with mono or multi layer structure, SD 9 thermoforms a unique band with a pitch of 160 mm and a maximum height of 150 mm. By alternative motions SD 9 carries the unique band from the beginning to the end of packaging process going through thermoforming group to the filling system, then to the sealing, coding and cutting groups. The dosing system supports up to three, even different, sets of pumps to meet all the customer's requirements. Except the filling nozzles, which are connect with a bottom-up movement, the dosing system could be positioned on the machine or separated on casters in order to make the whole treatment of the bulk, including the C.I.P. of the dosing system, completely independent, easy and fast. After the sealing the band is ready for the pre-cutting, for the perforation and for the final cutting operations. The machine is equipped with a very special cutting station (patented) that allows to reduce the cost of the tooling consistently. It is possible to have a registered printing on one side, if using two reels of plastic material, or a registered printing on both sides, if using just one reel. It is also possible to have 3 layers of materials, to produce 2-compartment packs with 2 different products inside. All the functions of the SD 9 are constantly controlled by a PLC which allows the operator, through a touch panel, to make any necessary setting; it gives also the chance to store and recall any different setting related to a particular production.

- 1 Open thermoforming
- 2 Thermoforming
- 3 Filler
- 4 Sealing
- 5 Cutting die
- 6 Cutting station

