

Polypropylene ISBM



Polypropylene Injection Suction Blow Molding

The ISBM technology is the modern manufacturing trend for LVP solutions.

GF can produce and supply complete processing lines both for IV bottles and bags.

The PP granules are first moulded into a "pre-form" using an injection moulding process. The pre-form includes the neck of the bottle, complete with the desired finish, ready for the closure application (welded caps, screw caps, stoppers and aluminium seals).

The pre-forms are then stretched and blown to the final shape of the container, ready to be transferred to the air blowing, filling, and capping monobloc machine, which can be designed also to process oxygen sensitive liquids.

The main features and options of the ISBM systems are:

- Flexibility over a wide range of filling volumes and container shapes
- High production rates and line efficiency with cost savings due to zero material waste and lower energy consumption
- Simple operation, change over and maintenance
- High transparency for optimized inspection

