



CONTAINERS

- Standard and tailor-made
- Wide mouth jar (neck finish up to 130 mm)
- Oval and asymmetrical
- Small size containers
- Large sizes (up to 12,5 litres)
- Hot fill up to 90° C

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ECS SP80 ISBM Machine

TECHNICAL DATA

Screw Diameter	[mm]	35 & 54
Screw Speed	[rpm]	0÷200
Injection Shotsize	[g]	490
Injection Clamping Force	[kN]	800
Blow Clamping Force	[kN]	560
Oil Reservoir Capacity	[L]	250
Installed Heating Power	[kW]	27,2
Installed Driving Power	[kW]	58,6
Total Installed Power	[kW]	85,8
Max Operation Air Pressure	[Mpa]	1,0
Max Blow Air Pressure	[Mpa]	4,0
Cooling Water Temperature	[°C]	11,0
Cooling Water Pressure	[Mpa]	0,7÷0,8

Pictures and technical data are correct as time of publication, however may be subject to change without advise.



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SP80 4-Stations Injection Stretch Blow Molding System

MACHINE DIMENSIONS		
Maximum width	mm	2200
Maximum length	mm	5800
Maximum height	mm	3700
Total weight	Kg	15500

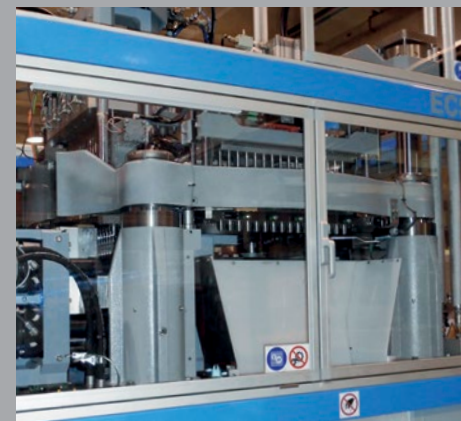
This four station hybrid Injection Stretch Blow Molding (ISBM) machine is designed for production of containers with a wide variety of shapes, including special design of neck finishes. It features a compact layout, while enabling a quick change-over between different mold configurations, combined with high energy efficiency.

Cavity	Container volume (ml)	Thread diameter (mm)	Support Ring (mm)	Bottle Body Diameter (mm)	Weight (g)
1	12.500	130	130	215	490
2	8.000	122	122	190	245
2	10.000	110	110	215	245
3	4.000	108	122	150	163
4	3.000	95	95	141	122,5
5	2.000	75	75	111	98
6	1.350	63	63	92	82
7	1.000	46	46	80	70
8	700	44	44	68	62
9	500	38	38	61	57
10	300	30	30	55	41
12	150	20	20	45	41
14	100	16	16	37	35
16	50	13	13	31	31



Main Features

- High class machine produced and assembled in Italy, extremely robust design (more than 30 years of experience in building single stage machines)
- High class mold sets produced in Italy (e.g. mold shoe and injection stacks all in stainless steel Stavax material, valve gate technology on the hot runner)
- Servo driven injection and blow mold units for energy saving
- Very fast dry cycle of 3.5 s
- Machine compatible with molds from other OEMs by using an adaptation kit
- Maximum flexibility and versatility – Possibility to produce containers from 10 mL up to 12.5 L due to large machine tie bar spacing
- Possibility to produce very sophisticated and complex bottle shapes using 40 bar max. blow air pressure
- High power ceramic heaters for conditioning for optimum bottle quality
- High user-friendliness: injection mold and blow mold opening stroke adjustable directly on machine screen
- Capable to produce Hot Fillable PET containers withstanding hot fill temperatures up to 90° C



Preform Injection

- Stroke can be adjusted to real preform length in order to optimize cycle time and energy consumption
- Injection pin valve pneumatically operated
- Interchangeability with competitor's molds



Preform Thermal Conditioning

- Internal with thermoregulated cores
- External with ceramic band heaters



Stretch-Blowing

- Servo motor for blow press opening/closing
- Stroke can be adjusted to the real bottle diameter in order to optimize cycle time and energy utilization



Discharge

- Independent bottle discharge on operator's side
- Easy installation of take out and orientation devices