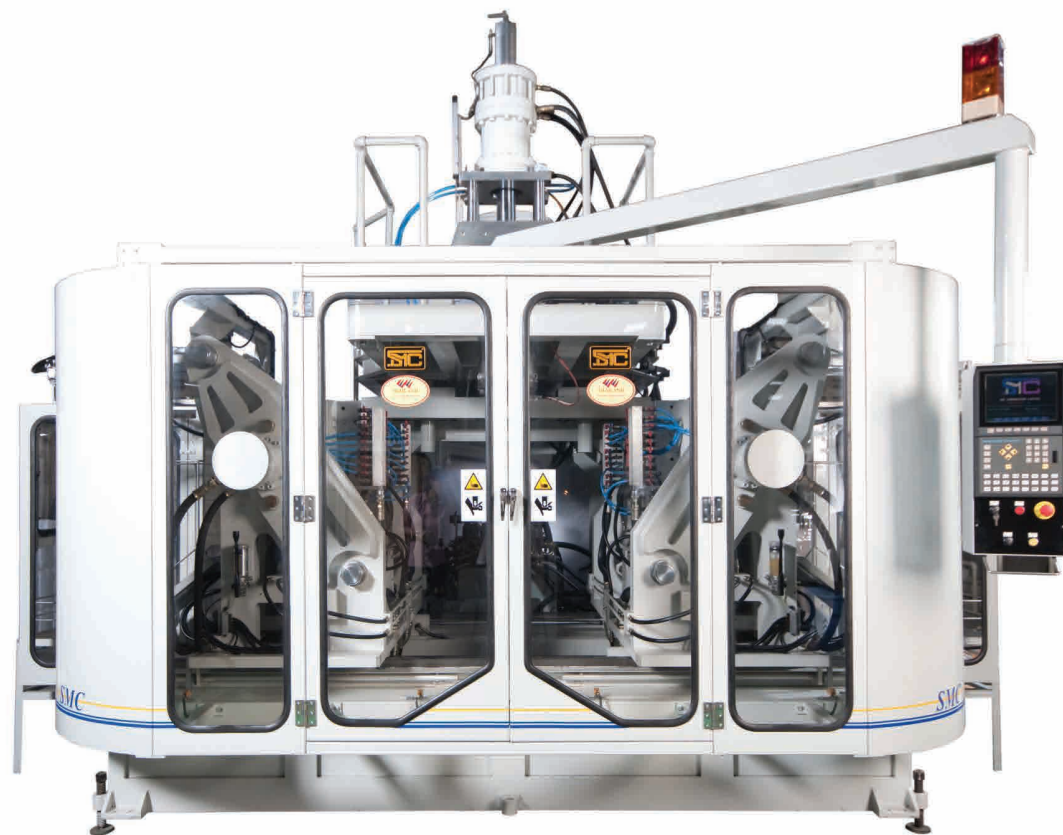


XL, S, M, DMA Series

High Speed Extrusion Blow Moulding for jerry can stackable containers up to 60-liter

Tailor-made high speed extrusion blow moulding machines for jerry can stackable containers (from 5-liter up to 60-liter), automotive parts and technical articles. Machines can be equipped with accumulator heads of 1.5 liters, 2.5 liters, 4 liters, 6 liters, or with continuous head production. The machine features are:

- ▶ A choice of stationary or moving carriage clamping system
- ▶ Directional or Proportional valve control movement
- ▶ Designed to accommodate up to 60-liter container production
- ▶ Continuous head, or with Accumulator head of 4-liter for single station or 6-liter for double station
- ▶ Accurate clamping force application in clamp of diagonal box frame with direct clamping cylinders
- ▶ Suitability of additional in-line equipments for auto-finishing, trimming and product take out
- ▶ Provision of additional accessories such as; core puller function, needle blow pin, unscrewing bow pin, product orientation and other robotic applications



Technical Data



| SMC Machine Model | Unit | 5000XL | 30S** | 30M** | 30DMA** |
|--|---------|-----------------|-----------------|-----------------|-----------------|
| General Specification | | | | | |
| Clamping Movement | | Inclined | Horizontal | Horizontal | Horizontal |
| Capacity / Article Size | ml | Up to 5000 | Up to 30000 | Up to 30000 | Up to 30000 |
| Clamping Force | kN | 120 | 300 | 300 | 300 |
| Operating Pressure | bar | 100 | 100 | 100 | 100 |
| High Pressure | bar | - | 150 | 150 | 150 |
| Mould Dimensions (W x L x T) | mm | 410 x 510 x 260 | 600 x 700 x 460 | 600 x 700 x 460 | 600 x 700 x 460 |
| Daylight Opening (Min/Max) | mm | 240/540 | 450/950 | 450/950 | 450/950 |
| Dry Cycle | sec | 6 | 12 | 12 | 20 |
| Extrusion Head | | | | | |
| Accumulator Single Head | litre | 1.5 | 4 | 4 | 6 |
| Continuous Single Head | mm | as per request | n/a | as per request | as per request |
| Extruder Unit with Inverter Drive | | | | | |
| Screw Diameter | mm | 80 | 90 | 90 | 120 |
| Length / Diameter Ratio | L/D | 24 | 24 | 24 | 24 |
| Number of Heating Zones | No. | 3 | 5 | 5 | 5 |
| Screw Speed (Max) | rpm | 75 | 75 | 75 | 75 |
| Hydraulic Unit | | | | | |
| Oil Tank Capacity | litre | 180 | 550 | 550 | 600 |
| Accumulator | litre | 20 | 32 + 4 | 32 + 4 | 32 + 10 |
| Energy Consumption (Inverter Drive) | | | | | |
| Electric Screw Motor | kW | 45 | 45 | 45 | 45 |
| Main Drive Power | kW | 15.00 | 22.00 | 22.00 | 37.00 |
| Barrel Heater | kW | 10.5 | 25 | 30 | - |
| Heating Capacity (Max) | kW | 22.50 | 37.00 | 39.00 | 45.00 |
| Total Connected Load | kW | 82.50 | 104 | 106 | 127 |
| Average Power Consumption* | kW | 49.50 | 62.40 | 63.60 | 76.20 |
| Estimated Power Consumption* | kW | 39.90 | 51.07 | 54.82 | 67.13 |
| Average Air Consumption | NL/min | 1500 | 2500 | 2500 | 3000 |
| Required Air Pressure (Min) | bar | 6 | 6 | 6 | 6 |
| Cooling System Pressure | bar | 2-3 | 2-3 | 2-3 | 2-3 |
| Hydraulic System Cooling* | kcal/hr | 7500 | 19000 | 23000 | 23500 |
| Machine Dimensions | | | | | |
| Machine Width* | mm | 1580 | 3425 | 3300 | 5360 |
| Machine Length* | mm | 3080 | 5550 | 5650 | 5650 |
| Machine Height* | mm | 2450 | 4000 | 4400 | 4400 |
| Machine Weight* | kg | 8700 | 19000 | 19000 | 20000 |

Remark : *Estimated Values only

**S : Stationary Clamping Unit

M : Stationary Clamping Unit

DMA : Double Movable Clamping Unit