



PET STRETCH BLOW MOULDING MACHINE



All the qualities of PET...

The PET bottle is a great success in many-countries. And no wonder, product by the biaxially oriented blow moulding process, PET or Polyethylene Terephthalate-bottles combine outstanding performances and aesthetic qualities. They give you the super crystal clarity needed to show any product to advantage. They have excellent carbonation retention properties and a good barrier to oxygen. Extremely resistant to breakage, light to handle and transport, and safe to health and environment.

...With Shivosu Canada Pure system flexibility

To the advantage of PET

Itself, the extraordinary Characteristics of the Shivosu Canada Pure Pet Machines are added: simplicity, compactness, reliability and flexibility.

Quickly installed, the machine is ready for producing bottles of various shapes and contents as the changing of the moulds are rapid. Renowned for these advantages, it is the small "two step" machine which is the most sold world wide and gives satisfaction to hundreds of producers for various different applications: like mineral water, carbonated drinks, juice, edible oil, detergents...

This is an ideal systems for economical production, in small series, of quality bottles.

MULTIPURPOSE INFRA RED ROTARY HEATER

Six to Eight vertically, horizontally and angularly adjustable double lamps can be turned to allow a more uniform heating of any type of preforms before blowing. Preheating is achieved by recirculating hot air exhausted by lamps and the system automatically adjusts to changes in the ambient temperature.

An oven with ten lamps (optional) permits the heating of thicker preforms.

An oven with 24 lamps permits the heating of 20 litre bottle preform.

The control cabinet is equipped with a programmable microprocessor with Error Status Indicator.

Setting and adjusting of the controls can be performed manually.

For special climates the cabinet can be air conditioned.

EASY ACCESS

The pneumatic, hydraulic and electrical equipments, as well as the cooling system, are easily accessible.

Minimum replacement time is required when one type of bottle mould is changed for another one. No special tools are needed.

The bi-axial orientation

PET is certainly the ideal material. But to retain that title, it also needs the full benefits of bi-axial orientation.

Bi-axial orientation requires two-stage production: the preform is first produced and then, within a precise temperature range, it is stretched both axially, thanks to stretching rods, and radially by blowing. It is the process which gives the container its strength.

These two phases can be carried out on one double acting machine (one stage) or separately on two different machines (two stages)

The PET

The application of this process to PET (Polyethylene terephthalate) produces bottles, jars and containers which perform remarkably and uniquely: giving clarity excellent properties of carbonation retention, ingress of oxygen and virtually unbreakable, light to handle and transport and above all, kind to the environment and recyclable.

This combination of properties has opened up new and important markets. PET has become the favoured material in number of applications, notably for carbonated and non-carbonated soft drinks, mineral waters, vegetable oils and vinegar.

But the new generation of applications is covering a still more extensive range: detergents and cleaning products, wines and other alcoholic drinks, fruits juices, certain preserves, sauces, ketchup and mustard, cosmetic and pharmaceutical products, industrial paints and oils, chemical products, etc....

Range of new markets with a promising potential.

ADVANTAGES OF FLEXIBLE SYSTEM

A system of small modular units has many advantages over one large machine.

You can begin small with the minimum investment.

As business grows, additional units can be acquired.

Production volume can easily and economically be adjusted to market fluctuations.

Bottles of different sizes and weights can be produced simultaneously on different units.

Change-over from one production to another can be rapidly effected.

The SHIVSU CANADA PURE system is well known for its solidity and reliability according to world standards.

A simple system to operate means short training for operators.

As the machine requires very little maintenance, costs related to non operating machines are negligible.



PET

System flexibility and productivity



SPECIFICATIONS OF SHIVSU PET MACHINES

	Pharma-PET SSB-05 A	Shivsu pet SSB-05 B	Shivsu pet SSB-05 C	Shivsu pet SSB-20 C
1. Max. Product Volume	50-500 ml	2000 ml	2000 ml - 5000 ml	10 ltrs - 25 ltrs
2. Production Capacity	600BPH	400-600BPH	250-300BPH	250 BPH
3. Max. Blowing pressure	12 kg/cm ²	12-18 kg/cm ²	12-25kg	12-25kg
4. Machine Working Pressure	8 kg/cm ²	8 kg/cm ²	8 kg/cm ²	8 kg/cm ²
5. Locking Pressure	1.5-2 Tons	8-10 Tons	10-12 Tons	18-20 Tons
6. Min. Mould Thickness	100 mm	160 mm	200 mm	350 mm
7. Opening Stroke	100 mm	150 mm	200 mm	350 mm
8. Distance between Tie & Rod	170 mm	320 mm	380 mm	410 mm
9. Centre Distance	80 mm	130-160 mm	-	-
10. Max. Sealing Diameter	10-25 mm	20-90 mm	45-120 mm	45-120 mm
11. Power Required	2.00 kw	10 kw	15 kw	24 - 48 kw
12. Machine Size LBH (mm)		1280+600+2175	1425+648+2175	2260+720+2100
13. Max. Air Power Consumption	20 CFM	55 CFM	60 CFM	60 CFM
14. Max. Power Consumption (With Air/day)	30-35 units/day	120 units/day	150 units	170 units
15. Type of Container	Bottle	Bottle/Jar	Bottle/Jar	Jar/Bottle

*The above specifications are liable to change without notice.

* **ACCESSORIES** : COMPRESSOR, DRIER, NECK CHILLER AND MOULD(S)

Specialized in the manufacturer of bi-oriented stretch-blow-moulding machines for PET containers (starting from preforms), SHIVSU offers today a completely up-grade of small and medium capacity blow-moulding units, with the combine proven simplicity and reliability of the Rotary machines concept with the most recent developments in the field of PET process technology. A state-of-the-art, user-friendly operator/machine interface allows easy programming of all relevant production parameters, ensuring at the same time extremely fast product changeover. Special equipment packages are available for the production of reliable hot fill PET bottles, PEN / PET bottles and bi-oriented PP-bottles.



SHIVSU CANADA PURE FILLERS PRIVATE LIMITED

(An Authority on Mineral Water Packing Equipments)

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... in the packaging sector.



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