

SIDEL India is manufacturers of complete range of fully automatic PET Blow Moulding Machine with Synergy brand for wide range of Beverages (i.e Water, Soft Drinks, Juices, Tea, Beer, Liquor, Dairy Products, etc), Liquid foods (i.e Edible Oil, Sauces, Ketchup, etc) and other applications like Pharmaceuticals & Personal Care Products.

The manufacturing activities essentially in stretch blowing PET machine commenced at Chakan near Pune in 2001, especially to cater to the growing need of the Indian market under the brand 'Synergy'. The vision was to provide quality equipments and services at the affordable prices. Our machines offer consistency, highest quality with simplicity in operation to give the lowest bottle as well maintenance cost.

Delivering this level of performance requires that we continuously understand our customers' challenges and commit to meeting their unique goals. We do this through dialogue, and by understanding the needs of their markets, production and value chains. We complement this by applying our strong technical knowledge and smart-data analytics to support maximum lifetime productivity to its full potential.

We call it Performance through Understanding.

SYNERGY Range by

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Version A, November 2019

synergybysidel.com

 Sidel



SYNERGY

BENCHMARK FOR LINEAR SBM MACHINES

DESIGNED FOR MEDIUM & LOW OUTPUT REQUIREMENT



SYNERGY range
BY SIDEL

INNOVATION THAT DELIVERS

SYNERGY

BENCHMARK FOR LINEAR SBM* MACHINES DESIGNED FOR MEDIUM AND LOW OUTPUT REQUIREMENT

We at SYNERGY, realized the importance of capital investment cost during business start-up or expansion of business in remote location having small output requirement without having to sacrifice the quality and reliability of the end product.

Based on the experience and know how gained in the field of Blow molding machine, the SYNERGY Range offers highest quality output, flexibility of operation and with lowest per bottle cost.

Synergy range expands the Sidel's portfolio of stretch blow molding machines. Available in models equipped with Single cavity to multi cavities, Synergy is the entry level product for low and medium output range. Synergy handles packages ranging for 60ml to 2 Lt on standard models as well special range available for dedicated 5 Lt and 25 Lt Machine. In addition Single cavity also offers flexibility on wide mouth neck preforms for Jars and containers.

*Stretch Blow Molding

KEY ADVANTAGES AT A GLANCE

- Wide range of models for various applications including Hot-fill and preferential heating
- High preform yield
- Lowest operational cost
- Consistent bottle quality
- In-line bottle out-feed
- Easy format changeover
- Quick start up
- Strong service back-up
- Strong references

OPTIONS FOR MORE FLEXIBILITY

PERFORMANCE	OPTIONS
Cost Saving	- Air recovery - Less customized change parts - Optimized oven design
Flexibility	- Quick change spindles - Easy adaptability for HR Bottles
Hygiene	- Cover on the hopper - Filter for LP and HP Air - Food safe contact parts
Special features	- Hot -fill attachment - Preferential Heating - Bulk package container of 5 Lt and 20Lt.

FOR IMPROVED PERFORMANCE / PRICE RATIO

SIMPLE DESIGN, HIGHER PERFORMANCE

The SYNERGY stands out with its linear and modular architecture. Machine is made with an objective of simple to operate with operator friendly features. We have also introduced high speed range with 2 cavity system. Some of the special features like Central oven design help reducing the power cost per unit. Servo mechanism for stretching enhances the accuracy on bottle quality.

WIDE RANGE OF CAPABILITIES

The Synergy range is capable to handle wide variety of application covering beverage and non-beverage products. It can handle wide range of Preforms with variety of neck finishes and shapes of the bottles. We have customized models to handle bottle sizes from 60ml to 2 Lt. on standard range. Special configurations available for 5 Lt and 20Lt.

USER FRIENDLY

The PLC of the machine is designed for ease of operator understanding. The state of art B&R PLC provides unmatched reliability and response. The B&R touch screen provides excellent user interface and an intuitive intelligent display.

FAST & ACCURATE BLOWING OPERATION

Our 2 & 4 cavity machine comes equipped with special Manifold valves. These valves have integrated controls for Pre-blow, Blow and Exhaust operations and give faster response time to ensure accuracy of operation in each cycle. It also gives reduction in dead volume which in turn helps saving of precious blowing air.

FEWER CHANGE PARTS / EASY FORMAT CHANGE OVER

Right from the preform loading to blowing, the machine is designed to handle preform in simple manner. Linear movement ensures minimum transfers thus eliminate the need of multiple change parts. Format changeover is without addition of significant cost.



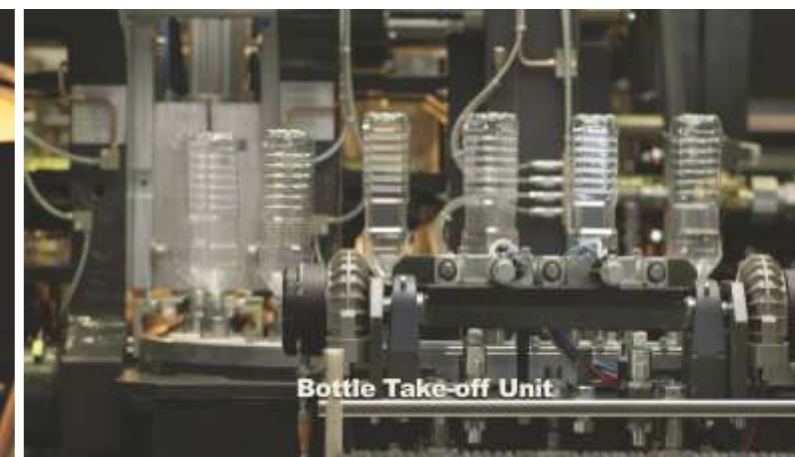
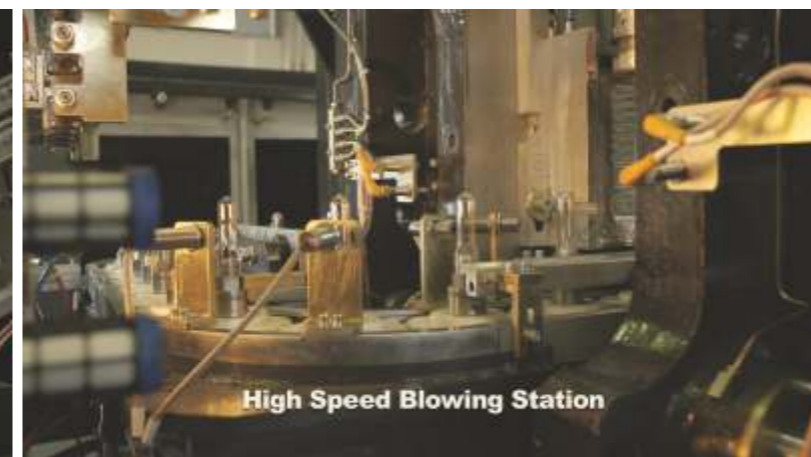
TECHNICAL SPECIFICATION

BLOWING MACHINES PREFERRED	SR 0.5/6	SR 0.5/8 Vitesse	SR1/2 NOVA	SR 1/4 NOVA X
MACHINE FEATURES				
Max. Mechanical Output (bph)	6600*	13000*	3200*	5200* - 1 Lit. 1800* - 2 Ltr.
Volume [Lit]	Upto 500 ml	Upto 500 ml	Upto 1 Lit	Upto 1 Lit & 2 Lit
No. of Cavities	6	8	2	4 for 1 Lit. / 2 for 2 Lit
Max. Bottle Diameter (mm)	73	73	85	110
Max. Bottle Height (mm)	220	220	275	330
Max. Preform Neck Dimension (mm)	30	30	30	38
Max. Preform Length (mm)	110	110	125	160
Mold Changeover Time (in minutes for 2 technicians)	45	45	30	45
Mechanical Efficiency (%)	98	95	98	98
Total Connected Electrical Power (kW)	68	80	29	48
Estimated Power Consumption Per Hour	40% ~ 50%	30% ~ 40%	40% ~ 50%	40% ~ 50%
High Pressure Air Requirement; 40 Bar; Oil free (CFM)	0.05 L x 6600-70 CFM 0.2 L x 6600-100 CFM 0.5 L x 6600-170 CFM	0.16 L x 13000-145 CFM 0.2 L x 13000-159 CFM 0.5 L x 13000-239 CFM	0.25 L x 3200-49 CFM 0.5 L x 3200-71 CFM 1.0 L x 3200-125 CFM	0.25 L x 5200-106 CFM 0.5 L x 5200-141 CFM 1.0 L x 5200-196 CFM 2.0 L x 1800-128 CFM
Low Pressure Air Requirement; 8 Bar; Oil free With Air Recovery (CFM)	N. A.	0	0.25 L x 3200-45 CFM 0.5 L x 3200-30 CFM 1.0 L x 3200-17 CFM	0.25 L x 5200-44 CFM 0.5 L x 5200-20 CFM 1.0 L x 5200-0 CFM 2.0 L x 1800-0 CFM
Water 8 ~12 Deg C, 4 bar Pressure	60 LPM	80 LPM	30 LPM	50 LPM

* Output is considered on Standard, Cylindrical 1000ml, 21 gm water bottle. However it may change on basis of bottle size, shape & weight.

*Actual output determined depending upon Sidel approved preform, Bottle Design & Mold supplied by Sidel

SR 1/6 Vitesse	SR 2/1 P	SR 2/2 NS	SR 2/4 ECO	SR 5/2	SR 20/1
10000*	1500*	3200*	6200*	1800*	240 (for Reuse bottle) 360 (for Single use bottl
Upto 1 Lit.	Upto 2 Lit	Upto 2 Lit.	Upto 2 Lit.	Upto 5 Lit.	Upto 20 Lit.
6	1	2	4	2	1
85	120	110	110	220	300
275	240	340	360	368	500
30	100	38	38	63	80
110	140	160	160	180	420
45	30	20	45	60	60
95	98	98	98	98	98
103	26	63.5	67	64	96
30% ~ 40%	40% ~ 50%	40% ~ 50%	40% ~ 50%	50% ~ 60%	50% ~ 60%
1.0 L x 10000-287 CFM	0.5 L x 1500-42 CFM 1.0 L x 1500-57 CFM 2.0 L x 1200-84 CFM	1.0 L x 3200-126 CFM 2.0 L x 2400-170 CFM	0.20 L x 6200-135 CFM 0.5 L x 6200-185 CFM 1.0 L x 6200-265 CFM 2.0 L x 5000-365 CFM	2.0 L x 1800-125 CFM 5.0 L x 1400-200 CFM	5.0 L x 550-120 CFM 10.0 L x 350-160 CFM 20.0 L x 240-166 CFM
0	0.5 L x 1500-40 CFM 1.0 L x 1500-27 CFM 2.0 L x 1200-20 CFM	1.0 L x 3200-0 CFM 2.0 L x 2400-0 CFM	0.25 L x 6200-20 CFM 0.5 L x 6200-10 CFM 1.0 L x 6200-0 CFM 2.0 L x 5000-0 CFM	2.0 L x 1800-70 CFM 5.0 L x 1400-25 CFM	0
50 LPM	30 LPM	50 LPM	80 LPM	60 Lpm	80 Lpm



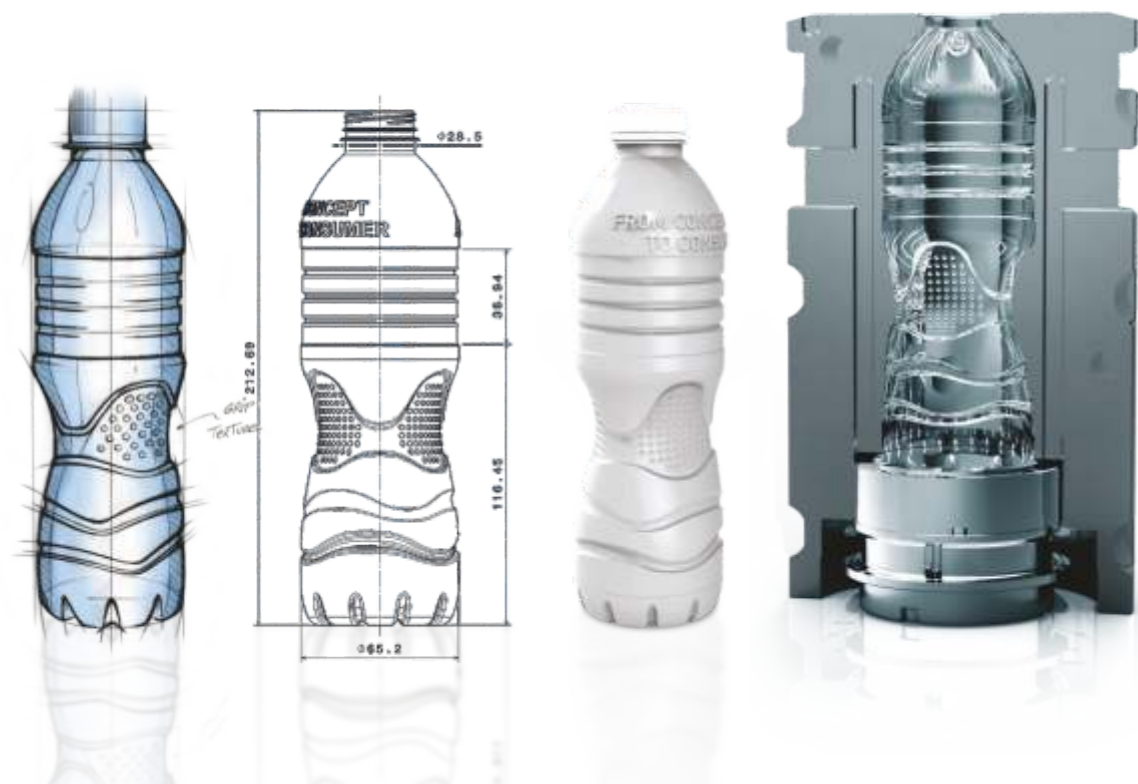


PACKAGING SERVICES

CREATING VALUE FROM CONCEPT TO CONSUMER

Sidel India has a state of the art Mould manufacturing facility, centrally governed by France, operational at Chakan since 2012. Equipped with the latest machinery, it can produce

standard as well as Hot Fill Moulds. Sidel provides the most innovative PET packaging solutions with its' in-house bottle design & development department along with the bottle test laboratory.



SUPPLEMENTARY PRODUCTS

SEDE PREFORM DUMPER

With increased output /machine customers are looking for the option to use preforms in Gaylords to reduce the loading cycle, reduce dependency on man power and increase automation. Identifying this customer need, we have developed Preform dumper capable of interfacing with main PET Blower. A low level sensor on the Blower Hopper activates once the preforms level in the hopper drops down below a specified limits. This triggers an input to the PLC on preform dumper to lift the bin and drop the preforms slowly in the hopper minimizing the handling abuse /scratches on the preform.

We have customized preform dumpers suitable to handle Gaylord boxes as well as preforms in carton to supplement all range of blowing machines.



ABOUT US

SIDEL INDIA - LINEAR TECHNOLOGY

Sidel India Private Limited incorporated in India in 1997 is 100% subsidiary of SIDEL GROUP. Sidel is a part of Tetra Laval group which is a Global Packaging Company.

People all over the world consume products packaged by Sidel Group solutions every day. Each of those packaging solutions is developed according to our goal to deliver the highest quality standards to consumers. We are a leading provider of equipment, services and complete solutions for packaging liquids, foods, home and personal care products in PET.

The manufacturing activities commenced at Chakan near Pune in 2001, especially to cater to the growing need of the beverage market under the brand 'Synergy'. The vision is to provide quality equipments and services at the competitive prices. Our machines offer consistent performance with simplicity in operation to give the lowest operational as well as maintenance cost.

Supporting customers over the globe for many years with offices in Pune and Gurgaon along with the strong Channel Partner network spread

through-out India, Africa-Middle East & Asia, 'Synergy by Sidel' has a better market reach & proximity to the customers.

We utilise our equipment, services and skilled people to protect the brands of all sizes and the beverages across the world that are enjoyed by millions of people every day. We improve productivity and optimise costs inside manufacturing plants while preserving the environment outside. All our designs are modular and easily adaptable to the local market needs, plus support future technology developments. Through this we enable beverage producers and their brands to live up to their full potential of creativity, taste and quality based on PET potential.

OUR PHILOSOPHY

To become a good example of a local company with global participation, a company with an objective to harness the local talent for global operation, and to give opportunity to all the PET users to have good technology and better training to upgrade those hand-operated, semi-automatic systems to a better quality automatic operation at economical cost for efficient operation.