



**GLOBAL PET
INDUSTRIES LIMITED**

Eco Series

3 & 4 Cavity Automatic Pet Stretch
Blow Moulding Machine

40
BPM

Machine Model
3 Cavity Eco Series



Eco Series 3 & 4 Cavity Fully Automatic Pet Stretch Blow Moulding Machine

Salient Features:

- **GPSB Eco Series Model** - The two-stage process 3 & 4 Cavity Stretch Blow Moulding Machine with simple & compact design for Beverage & other applications.
- **Telemecanique Schneider PLC & HMI** – Controlled by high-performance Schneider Electric Modicon M200 PLC with 4MB SD card memory and rugged construction operated by HMI with TFT 7" colour touch screen, supporting more than 2000 recipes and Ethernet / USB ports for connectivity.
- **Toggle Mould Clamping System** Toggle Clamping Mechanism Operated by Pneumatic Cylinder Which Consumes Low Air & gives Better Tonnage Locking Force.
- **High Pressure Diaphragm Type Blowing Valve** – Highly Efficient High Pressure Diaphragm Type **Parker Make Blowing Valve** with No Preform No Blow System for reduced Air consumption.
- **Revolving Infrared Preform heating with Hot Air Suction Circulating System** – It ensures uniform heating of thick wall preform with less Power Consumption.
- **Sensors & Multiple Security Devices** are highly sensitive sensors and are provided to ensure safety of the operator as well as the machine.
- **Effective & Efficient Cooling System** – The in-built Aluminium Profile cooling system for cooling of preform neck & blow mould to avoid neck deformation, shrinkage & achieve rigid formation of bottle ensuring accuracy in brim-full volume of each bottle.
- **Automatic Preform Feeding System (Optional)** – This system reduces the manpower, having a capacity of up to 2400 preforms for 3 Cavity & Up to 3600 preforms for 4 Cavity at a time ensuring uninterrupted production for at least 1 hour.

Machine Model
4 Cavity Eco Series

55-60
BPM



TECHNICAL SPECIFICATION

GPSB - 3 & 4 CAVITY ECO - SERIES

	TECHNICAL DETAILS	UNITS	GPSB-3/1000 Eco Series	GPSB-3/2000 Eco Series	GPSB-4/1000 Eco Series
MACHINE DETAILS	NUMBER OF CAVITY	Nos.	3	3	4
	CAVITY PITCH	mm	110	110	110
	MOULD THICKNESS	mm	160	180	160
	STRECHING STROKE	mm	400	450	400
	CLAMPING STROKE IN TON	ton	200	250	200
	CLAMPING FORCE	mm	40	60	60
	MAX . NECK DIAMETER	mm	28 - 30	28 - 30	28 - 30
CONTAINER	MAX. PRODUCT DIAMETER	mm	80	95	80 - 90
	MAX. HEIGHT	mm	280	300	280
	MN. VOLUME	ml	200	200	200 ML
	MAX. VOLUME	ml	1000	2000	1000 ML
PRODUCTION OUTPUT	200ML TO 1000ML	bph	2200 - 2400	2000 - 2200	3400 - 3600
	1500ML TO 2000ML	bph	-	1600 -1800	-
CONNECTED POWER CONSUMPTION	LENGTH OF EACH HEATING MODULE	mm	950	950	1120
	NUMBER OF HEATING MODULE	Nos.	2	2	2
	NUMBER OF HEATING ZONES	Nos.	7	8	7
	NUMBER OF IR HEATERS	Nos.	14	16	14
	TOTAL HEATING POWER	kw	28	32	28
	CONVEYER MOTOR & BLOWER	kw	1	1	1
	TOTAL CONNECTED LOAD	kw	29	33	29
	ACTUAL POWER CONSUMPTION WILL BE 40% TO 50 % OF CONNECTED	kw	14.5	16.5	14.5
AIR CONSUMPTION	OPERATING PRESSURE (LP)	bar	8 - 10	8 - 10	8 - 10
	LP AIR CONSUMPTION	bar	40 - 45	40 - 45	45
	BLOWING PRESSURE (HP)	bar	25 - 35	25 - 35	25 - 35
	HP AIR CONSUMPTION	cfm	60 - 65	80 - 85	90 CFM
CHILLED WATER	TEMPERATURE	C	8 -12°C	8 - 12°C	8 - 12°C
	CAPACITY	ton	3 TR	3 TR	5 TR
MACHINE WIDTH & DIMENSION	WEIGHT OF MACHINE	ton	1.5 TON	1.8 TON	2 TON
	ONLY MACHINE SIZE (LXWXH)	mm	1710x1410x2500	1900x1410x2800	2560x1710x2600
	MACHINE WITH PREFORM LOADER	mm	2255x4540x2500	2255x4540x2800	2781x3212x2600



GLOBAL PET INDUSTRIES LIMITED

Contact Us :



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