

### 1 Preform Feeding 上胚和理胚

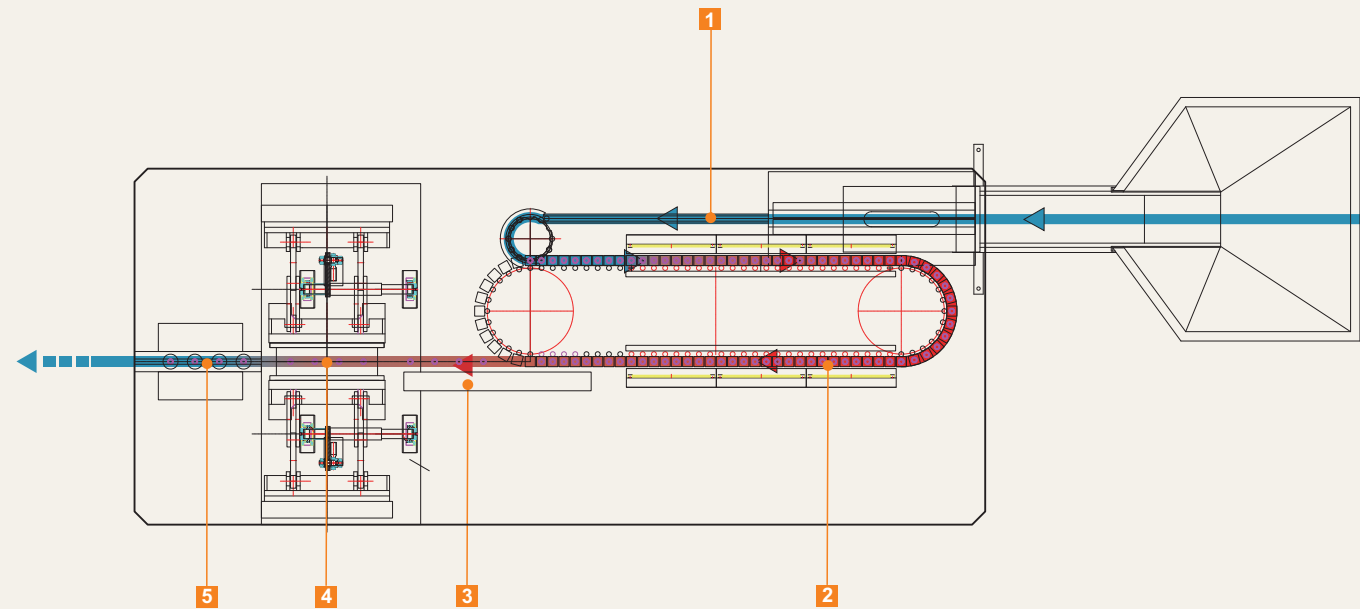
Preforms are fed by star-wheel to load onto chain spindles continuously.  
采用连续式行星轮入胚系统。

### 2 Preform Heating 管胚加热

During heating, the preforms are constantly rotated for a perfectly symmetrical distribution of heat. The necks of the preform are protected from oven-heating by means of protection ramp with cold water.  
在加热区内，管胚匀速自转，确保均匀加热效果。  
管胚螺口经冷却水道保护，防止过热变形。

### 3 Pitch Changeover 中心距变更

After heating, the preforms go into pitch-change by servo motor by slider, the abutting preform's center distance changes from 50.8mm to mold's center distance.  
加热后，伺服电机将管胚输送到托盘中心距变更系统，按照模具型腔中心距改变管胚托盘间距。



### 4 Stretching & Blowing 拉伸和吹瓶

After pitch changeover, the preforms are sent into the mold. The longitudinal stretching of the preform is carried out by a servo motor, then is pre-blow, high-pressure blow and exhaust.  
中心距变更后，管胚被送入模具，并依次完成拉伸，预吹，高吹，排气各动作。

### 5 Bottle Discharging 出瓶

The blown bottles are removed from the molds by servo motor, and be evacuated either in bulk or directly feed to the filling lines via sucking conveyor.  
瓶子被伺服电机移出模具，由吸风式输送带送出机器，或直接送往灌装线。

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Fully Electrical Linear  
**PET Blow Molding System**  
全电动PET吹瓶系统

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SUPET Series

Fully Electrical Servo-motor Driven  
全电式伺服电机驱动

欧洲下吹式机构设计，管胚瓶子均无需翻转。  
机械式凸轮驱动锁模机构，开合模动作各仅**0.43秒**。  
行星轮连续上胚模式，高速入胚无停顿。  
欧洲制造快速加热型红外线灯管，高效节能。  
集成化组合阀运用，**1秒**完成所有预吹，高吹和排气流程。  
**5套**伺服电机驱动系统，整机干循环**1.4秒**以内。

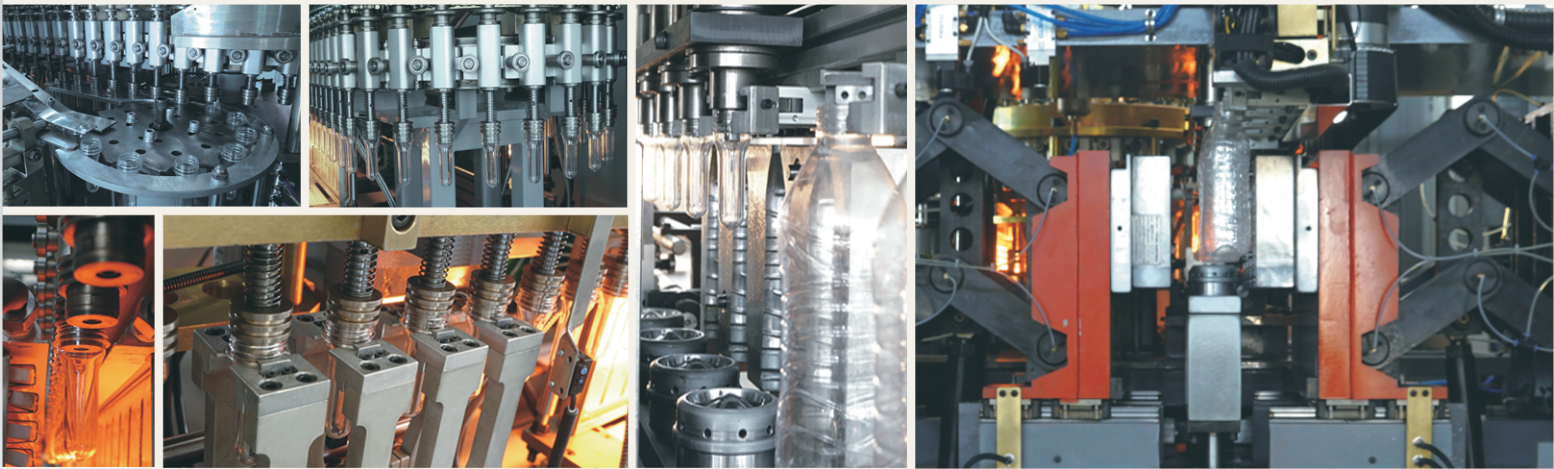


Up to 12000 bottle/hour/machine

SUPET series is designed for cold-filling bottle production and the output is from 6000BPH to 12000BPH per unit. Mouth-up structure, Mechanical CAM Clamping and fully-electrical servo-motor driven mode are its main advantage, which make it stable, power-saving, friendly-operation and low maintenance and is ideal choice for medium and large enterprise.

单机最高产量达12000瓶/小时

SUPET系列吹瓶机用于冷灌装瓶子的生产，单机产量6000瓶/小时至12000瓶/小时。下吹式设计，机械凸轮锁模，以及采用全电式伺服电机驱动模式是该系列的主要特色。该机运行稳定，节能，操作简单，维护低，是大中型企业的理想选择。



We can help you to get **50%** more production with same cavity number than others!

European Mouth-up structure design (Blow-down), no need turnover preform/bottle in machine.  
Uniform cam clamping mechanism, only **0.43 seconds** for open and **0.43 seconds** for close.  
Star-wheel feeder, continuous preforms feeding and the lost time to **zero**.  
European-made high-efficient infrared heating lamp, only **2.4w** power consumption for each **500ml** water bottle.  
Monoblock high-pressure valve application, ensure pre-blow, blow and exhaust to be finished in **1.0 second** only for **500ml** water bottle.  
Total five sets of servo motor system; provide dry cycle time no more than **1.4 seconds**.



Technical Data 参数表

			SUPET4-6000	SUPET6-9000	SUPET8-12000	SUPET2-2000	SUPET4-4000	SUPET1-500G	SUPET2-1000G
Max. Output	最大产量								
For 500ml Water Bottles	针对水瓶	BPH	6000*	9000*	12000*	/	/	/	/
For 1500ml Water Bottles	针对水瓶	BPH	4800*	7200*	9600*	/	/	/	/
For 5000ml Water Bottles	针对水瓶	BPH	/	/	/	2000*	4000*	/	/
For 10000ml Water Bottles	针对水瓶	BPH	/	/	/	1600*	3200*	/	/
For 20000ml Water Bottles	针对水瓶	BPH	/	/	/	/	/	500**	1000**
Bottle Dimension	容器尺寸								
Outer Dia. (Max.)	最大外径	MM	110	110	110	210	210	240	240
Height (Max.)	最大高度	MM	340	340	340	420	420	560	560
Volume	容积范围	L	0.3~2.5	0.3~2.5	0.3~2.5	3.0~10.0	3.0~10.0	10.0~20.0	10.0~20.0
Blow-molding Station	吹瓶模块								
Mold Cavity Number	模具腔数	Cavity	4	6	8	2	4	1	2
Mold Cavity Center Distance	模具型腔中心距	MM	130	130	130	230	230	/	260
Preform Spindles Pitch	管胚托盘中心距	MM	50.8	50.8	50.8	76.2	76.2	100	100
Oven	加热烘箱								
No. of Heating Chamber	加热区数量	unit	6	8	10	6	8	7	14
No. of Heating Layer	加热灯管层数	layer	8	8	8	12	12	14	14
Electrical System	电力系统								
Voltage (3P+N)	电压/频率	V/HZ	380/50	380/50	380/50	380/50	380/50	380/50	380/50
Air	空气系统								
Pressure for Operation	操作压力	bar	8~10	8~10	8~10	8~10	8~10	8~10	8~10
Pressure for Blowing	吹瓶压力	bar	28~35	28~35	28~35	28~35	28~35	28~35	28~35
Cooling Water	冷却系统								
Pressure	冷却水压力	bar	4~5	4~5	4~5	4~5	4~5	4~5	4~5
Temperature	冷却水温度	℃	5~15	5~15	5~15	5~15	5~15	5~15	5~15

\*It depends on the preform design, preform thickness, bottle design and quality of PET resin. 实际产量取决于管胚设计，管胚厚度，瓶形设计，以及PET原料的品质。  
\*\* With preform weight range 330~380g. 采用330~380克PET管胚。