

SBL系列大容量全自动吹瓶机

SBL FULLY-AUTOMATIC BIG VOLUME BLOWER



DEMARK

FULLY-AUTOMATI BIG VOLUME LINEAR PET STRETCH BOTTLE BLOWING MACHINE

大容量全自动直线式PET拉伸吹瓶机

- 在众多全自动直线式PET 拉伸吹瓶机中，SBL 系列被使得该系统在生产大容量瓶子时得心应手，并且跟其他同类机器相比还能节能50%。
看做是一个先锋，尤其是生产大容量的瓶子很有优势。德玛克对预热系统和伺服控制系统采用了特殊的设计，
- SBL 系列机型可生产5L-20L的PET瓶，广泛应用于饮料、食用油、番茄酱、清洁剂、化妆品和医疗用品等行业中。
- SBL Series As a pioneer in manufacturing the full-automatic linear PET stretch blow molding machine especially for the big volume bottles, Demark adopts special design on the preheat construction and servo driving system to enable it big volume blow molding machine series save more than 50%power compared with similar machines by others.
- SBL Series is available for blowing bottles for beverage, edible oil, catchup, cleaner, cosmetic and medical products with the volume between 5L and 20L.



6 INNOVATIONS

6 大创新

集中式加温机构

Heating system

新型专利恒温热循环灯箱，加温截距是101mm，相比同行的240mm，省电超过国内同行50%；
patent light box provides constant and circulatory temperature(heater is fixed with short linkage 101mm, much shorter than 240mm), to save electric power by more than 50% accurate control on the position and speed by servo, assure the action of the preheating-chain and manipulator in synchrony.

新型液压合模系统

Hydraulic pressure close mold system

取代传统气动合模系统，双面增压，四板成型，保证了合模的稳定性，吹瓶合格率高达99.8%以上；
take the place of traditional pneumatic die set, with both sides pressure and four boards forming, assure the stability and the pass rate of 99.8%.

吹瓶机构

Blowing system

与国际顶尖研究机构合作，独创高压集成阀组，保障单腔产能大幅提高60%；
cooperate with the international leading research organizations; create the high-pressure integration valve group, the single cavity productive capacity is increased by 60%.



拉伸机构

Stretching system

以直线滑轨机构替代直线轴承，稳定性大大提高；
use linear sliding track framework instead of liner bearing, which offers an outstanding improvement of stability.

主传动机构

Main transmission system

高精度双排滚子链专利技术，保证设备的稳定和高速需求；
adopt patent double strand roller chains technology, to assure the demands of stability and high speed.

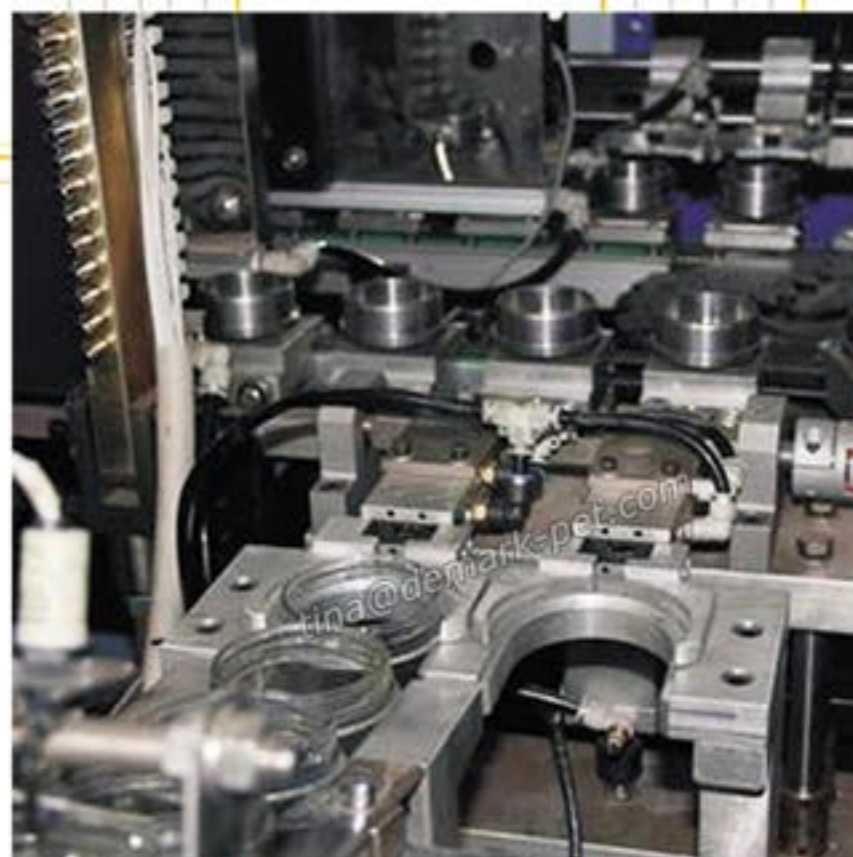
机械手系统

Manipulator system

采用伺服机械手同步取瓶坯，取瓶子，动作精确快速。
Adopt servo manipulator to take the preform and bottles synchronously, accurately and quickly.

ADVANTAGES

系统优势



两大优势

- 良好的稳定性：得益于优秀的设计理念，严格的加工要求以及出色的电气搭配
- 价格竞争力强：提供的机器质量好，价格更低。

三大特色

1. 在国内厂商中，德玛克机械率先将旋转吹瓶机的技术应用于直线式吹瓶机，解决了传统直线式吹瓶机稳定性差、效率低下的问题。
2. 德玛克机械是第一家使单腔容量达到每小时600瓶（如20升油瓶）的公司。
3. 灯条和灯箱采用特殊的加热系统与设计要求，能够节省电力50%。

Two advantages

- Good stability: thanks to the excellent design concept and strict machining request as well as the outstanding electric collocation.
- Competitive price: provide machine with good quality while lower price.

Three characters

1. Demark Machinery bring in the method of rotary blowing mould machine to develop linear blowing mould machine for the first time among the domestic manufacturers, which has resolved the problems of bad stability and lowefficiency of traditional linear blowing mould machine.
2. Demark Machinery is the first company that makes the single cavity capacity up to 600 bottles per hour (take 20L Oil bottle for example).
3. Peculiar heating system of light bar and light box with special design make it saving electric power by 50%.

MAIN TECHNICAL FEATURES

主要技术参数

TYPE		UNIT	SBL2	SBL3	SBL4	SBL6	
Capacity 理论产量	产能 (5L)	Capacity(5L)	BPH	700-900(20L)	2300-2500	3000-3600	4600-5100
Forming specifications 成形规格	模具行程	Mould plate stroke	mm	320	220	220	210
	拉杆行程	Stretching stroke	mm	500	350	350	350
	底膜行程	Bottom die trip	mm	50	30~50	30~50	30~50
	模腔数	Mould cavity	pcs	2	3	4	6
Container 瓶型规格	模腔间距	Cavity spacing	mm	320	190.5	190.5	203.2
	瓶子最大容量	Max.container volume	L	20	6	6	5
	瓶口最大外径	Max.neck diameter	mm	75	48	48	55
	瓶身最大直径	Max.container diameter	mm	290	175	175	180
	瓶身最大高度	Max.container height	mm	500	350	350	330
	瓶坯最大高度	Bottle preform maximum height	mm	210	180	180	180
Electrical system 电力规格	加热箱数量	Heatingbox number	pcs	6	6	8	8
	加热箱灯管数量	Heating box lamp number	pcs	15	12	12	9
	最大热功率	Max.heating power	KW	100	117	156	180
	装机总功率	Installed the total power	KW	125	150	180	202
	实际耗电量	Actual power consumption	KW	50-80	60-80	70-90	110-140
	电压/频率 (50Hz)	Voltage/frequency(50Hz)	V	380(50Hz)	380(50Hz)	380(50Hz)	380(50Hz)
Air system 空压规格	工作低压压力	Operating pressure	kg/cm ²	7~10	7~10	7~10	7~10
	低压气耗气量	Low pressure consuming	ltr/min	2000	2000	3000	3000
	吹瓶高压压力	Blowing pressure	kg/cm ²	30~40	30~40	30~40	30~40
	高压气耗气量	High pressure consuming	m ³ /min	16	12	15	27
Chiller water 冷冻水规格	冷水机压力	Cold water machine pressure	kg/cm ²	3~5	3~5	3~5	3~5
	温度范围	Temperature range	°C	8~10	8~10	8~10	8~10
	消耗量	Consumption	kcal/hr	26040	40000	45000	50000
Machine 机器规格	机器尺寸	Machine dimension	m	5.9×2.8×3.5	6×2.5×2.8	7.6×2.6×2.8	8.5×2.6×3.0
	机器重量	Machine weight	T	8	7	8	12

德玛克保留对产品进行修改的权利，规格如有变动，恕不另行通知。

Demark reserve the rights to make any product improvement or specification change without prior notice.