MAIN TECHNICAL FEATURES
主要技术参数

	MODEL		UNIT	S260/1500	S260/2000	S300/2000	S300/2500
INJECTION UNIT 注射装置	螺杆长径比	Screw L/D Ration	L/D	25	25	25	25
	螺杆直径	Screw Diameter	mm	75	80	80	90
	射胶压力	Injection Pressure	kgf/cm²	1280	1125	1400	1106
	理论射出容积（最大）	Injection Volume	cm³	1414	1608	1810	2290
	射出量（PET）	Shot Weight(PET)	g	1654	1882	2117	2680
	射出量	Shot Weight	oz	58	66	75	95
CLAMPING UNIT 锁模装置	锁模力	Clamping Force	T	260	260	300	300
	移模行程	Clamping Stroke	mm	540	540	585	585
	最大/小模厚	Max/min Thickness of Mould	mm	200-580	200-580	300-720	300-720
	导杆间距(宽x高)	Space Between Tie Bars(WxH)	mm	570X570	570X570	660X760	660X760
	顶出行程	Ejector Stroke	mm	150	150	180	180
	顶出力	Ejector Force	T	8	8	20	20
	顶出杆根数	No. of Ejector Pins	pcs	5	5	5	5
OTHER 其他	最高系统压力	Max System Pressure	kg/cm²	160	160	160	160
	马达功率	Motor Power	KW	36	36	44	44
	熔胶电热容量	Heater Input Capcity	KW	32	36	36	44
	主机外型尺寸(长x宽x高)	Machine Size(LxWxH)	cm	700X200X20	700X160X220	800X200X220	800X210X220
	整机重量	Machine Weight	T	12	12	14	14

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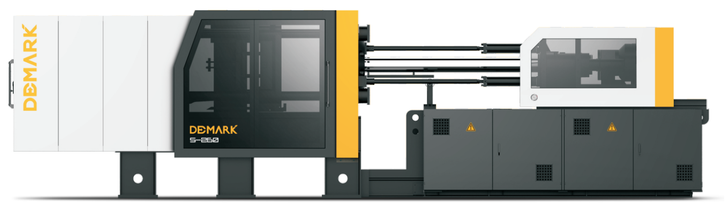
ISO9001 & CE

S系列全伺服PET瓶坯注塑系统
S FULLY SERVO PET PREFORM INJECTION SYSTEM



DEMARK

PLASTICIZATION & INJECTION / CLAMPING UNIT
塑化注射 / 锁模结构

- 螺杆采用屏障螺纹结构，提高塑化效果
- 螺杆镀铬，大长径比25:1
- 配备低速大扭矩液压马达，满足PET生产要求
- 差动射胶油缸，减少射胶阻力，提高射胶精度
- 比例背压，在控制面板上线性调节背压大小

- Barrier design screw improved the plasticization effect.
- Screw with chrome and the L:D ratio reach 25:1.
- Equipped with low speed but high torsion hydraulic motor to meet the requirements for PET preform production.
- The differential injection cylinder decrease the injection resistance and improve the injection accuracy.
- Back pressure could adjust on the control panel.

- PET专用机铰参数，开合模快速平稳
- 模板刚性好，受力均匀
- 采用方形四柱内距，与模具结构吻合，保证模具受力均匀

- Special clamping parameter design for PET make the mold open & close stable and fast.
- Strong mold plate makes the mold get pressure balanced.
- Square design which matching the mold.

ADVANCED SERVO HYDRAULIC SYSTEM DESIGN
领先的的伺服液压系统

整个液压系统都由伺服电机来提供充足的动力。

The whole hydraulic system is driven by servo motor.

伺服控制的优点

The advantage of servo control

- 节能：伺服电机在冷却和无动作时，转速在10转以内，此时能耗接近于零，而普通电机转速为1500转。伺服系统油泵出油口直接和控制动作方向阀连接，不经过流量控制阀，减少压力损失。

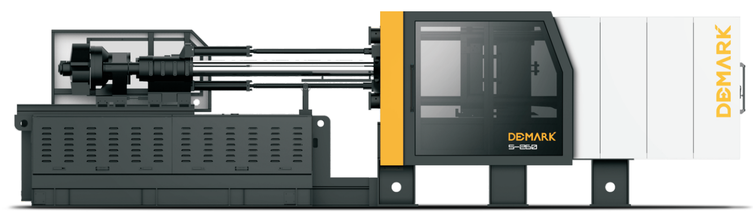
  Low power consumption: When the machine is cooling or without any movement, the servo speed is less than 10 RPM which the energy consumption is almost 0. While normal electrical motor speed around 1500RPM. The output point of servo hydraulic oil directly connected with the directional valve who control the movement to save energy. While normal machine has to though flow control valve.

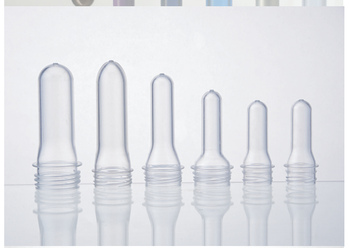
- 精密：伺服液压系统压力控制采用压力传感器，精度达0.1bar。

  Precision: Pressure sensor make the accuracy of servo hydraulic system reach 0.1bar.

- 反应快：压力和速度达到最大值仅需时0.12秒。

  Fast react: It only takes 0.12s for the pressure and speed to reach maximum output.





顶出结构
Ejection Unit

- 多顶出杆，分布均匀
- 大顶出力，长顶出行程，解决大坯和长坯顶出问题
- 顶出限位结构，顶退电眼确认，保护模具

- With more ejecting pin make better ejection.
- Bigger ejecting force and longer ejecting distance than normal machine to solve the problem for big gram and long preform ejecting.
- Ejecting stop work with the light sensor which protect the mold.

清洁护坯取出机械手设计（选配）
Preform Take Out Robot Design (Optional)

- 机械手配备单工位取胚板
- 机械手可以根据管胚长短方便调节和定模板之间距离

- The robot equipped with one station cooling plate.
- Easy adjustment for the distance between robot plate and mold.

开模同步顶出（选配）
Mold Open and Ejection Synchronization (Optional)

- 选配一组伺服电机实现开模和顶出动作同时进行，进一步缩短成型周期

- By equipping one set of servo motor makes the mold opening and ejection happen at the same time to reduce the total cycle time.