

Standard
PET Preform Injection Molding Machine
PET瓶胚注塑机

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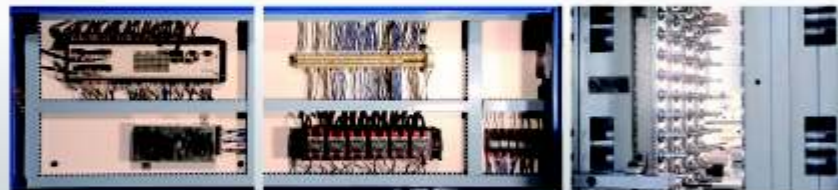
Kronce PET Preform Injection Molding Machine

High-speed solution for High quality PET Preform Production

Kronce PET preform injection molding machines are designed & manufactured for higher output preform production under the precondition of PET preform free-drop mode. Match with standard cavities(16,24,32 and 48cavity), Kronce standard PET preform injection molding machine can bring you obvious benefit, fast cycle time, high output, stable running, energy saving.

Comparing with the common PET preform injection molding machine which can have a cycle time 20 seconds for 12.5g 29/25 neck, Kronce PET preform injection molding machine can reach proven 14seconds while under the high stability & perfect preform quality, 30% shorter at least, all which come from the professional considered points in Kronce based on our experience in PET filed: Screw R/D ratio, plasticizaion capacity, injection speed, mold open/close +eject speed, hydraulic circuit design, driven system, while the end is to help our customer to achieve a lowest production cost for each PET preform.

科朗斯PET瓶胚注塑机，致力于提供给客户在瓶胚自由掉落的生产前提下尽可能大的产出，同时能够使每支管胚达到最低的生产成本，这些都是都来源于科朗斯在PET瓶胚注塑行业的专业性和客户至上的人性化考虑。



- Servo driven as power source, to ensure fast actions
- 30% shorter cycle time, higher output
- Professional screw with dual thread design, genuine L/D ratio 24:1, for fast and high quality PET plasticization.
- High plasticizing caacity, 50% higher than others, reduce the action accordingly
- 30% Larger injection capacity, available for heavier weight preform or larger cavity mold
- Advanced whole body designed injection unit support, super injection repeatability:
 - Plasticization position precision: 0.1mm;
 - Injection time precision: 0.001s;
 - Hold-pressure time precision: 0.0001s
- Differential overflow technology against normal valve core flow control mode ,shorter the action cushion ,faster the dry cycle .
- Over 80% energy Saving
- Perfect & consistent PET preform weight, size, profile

- 伺服驱动系统
- 低于其它机器30%以上的循环时间
- 双PET螺杆
- 高其它机器30%以上的塑化量
- 高其它机器30%以上的注射能力，
- 高的注射重复精度
- 插装溢流阀，缩短动作衔接，加快干循环
- 美和稳定的瓶盖重量和尺寸



TechnicalData参数表

Item		P16-R45	P16-R55	P24-R60	P24-R65	P48-R75A	P48-R75B	P48-R85
Injection Unit 注塑部分								
Screw Diameter	螺杆直径 mm	45	55	60	65	75	75	85
L/D Ratio	长径比 L/D	24	24	24	24	24	24	24
Theoretical Shot Volume	理论注射量 cm ³	397	594	904	1062	1900	1900	2440
Theoretical Shot Weight for PET (g)	最大注射量 g	482	722	1100	1292	2310	2310	2968
Injection Rate	注射速率 g/s	280	280	360	360	420	420	420
Plasticizing Capacity (PET)	塑化重量 g/s	25-32	40-50	55-60	60-70	90-100	90-100	100-110
Injection Pressure	注射压力 Mpa	125	130	125	125	115	115	115
Screw Speed	螺杆转速 rpm	180	140	170	160	120	120	100
Injection Stroke	注射行程 mm	250	250	320	320	430	430	430
Clamping Unit 锁模部分								
Clamping Force	锁模力 T	168	168	260	260	320	368	320
Open Stroke	开模行程 mm	400	400	540	540	620	680	620
Distance of Tie Bar	拉杆间距 mm	460X460	460X460	570X570	570X570	670X670	730X730	670X670
Mold Thickness	容模量 mm	200-500	200-500	230-610	230-610	250-700	280-780	250-700
Ejector Stroke	顶出行程 mm	130	130	160	160	190	210	190
Ejector Force	顶出力 T	4.5	4.5	7.5	7.5	12	14	12
Ejector Quantity	顶针数 unit	4	4	9	9	13	13	13
General 通用部分								
System Pressure	系统压力 BAR	145	145	145	145	145	145	145
Motor Power	电机功率 kw	18	18	25	25	45	45	50
Heating Power	加热功率 kw	13.5	15.2	21.5	21.5	32	32	33.5
Heating Zone	加热区 unit	3+1	3+1	4+1	4+1	5+1	5+1	5+1
Oil Tank Volume	油箱容积 L	400	400	550	550	700	800	700