



FRUIT BOX INJECTION MOLDING MACHINE

果框专用注塑机
NHTX/FB SERIES



Six technical features
六大技术特点

1.

高效配置，提高生产效率，成型周期更短。
Efficient configuration, improve production efficiency, shorten molding cycle time.
2.

大直径螺杆，注射量更大，注射压力高，更易成型加工果筐类产品，工艺可调性强。
Large-diameter screw, larger injection volume, high injection pressure, easier produce fruit basket products, strong process adjustability.
3.

配增强耐磨双金属专用螺杆料筒，硬度高，生产回收垃圾物料寿命长，优化塑化系统设计，塑化更好，同时方便异常维护。
Equipped with special bimetal wear-resistant screw barrel, high hardness, long life of production and recycling of garbage materials, optimized plasticizing system design, better plasticization, and convenient maintenance.

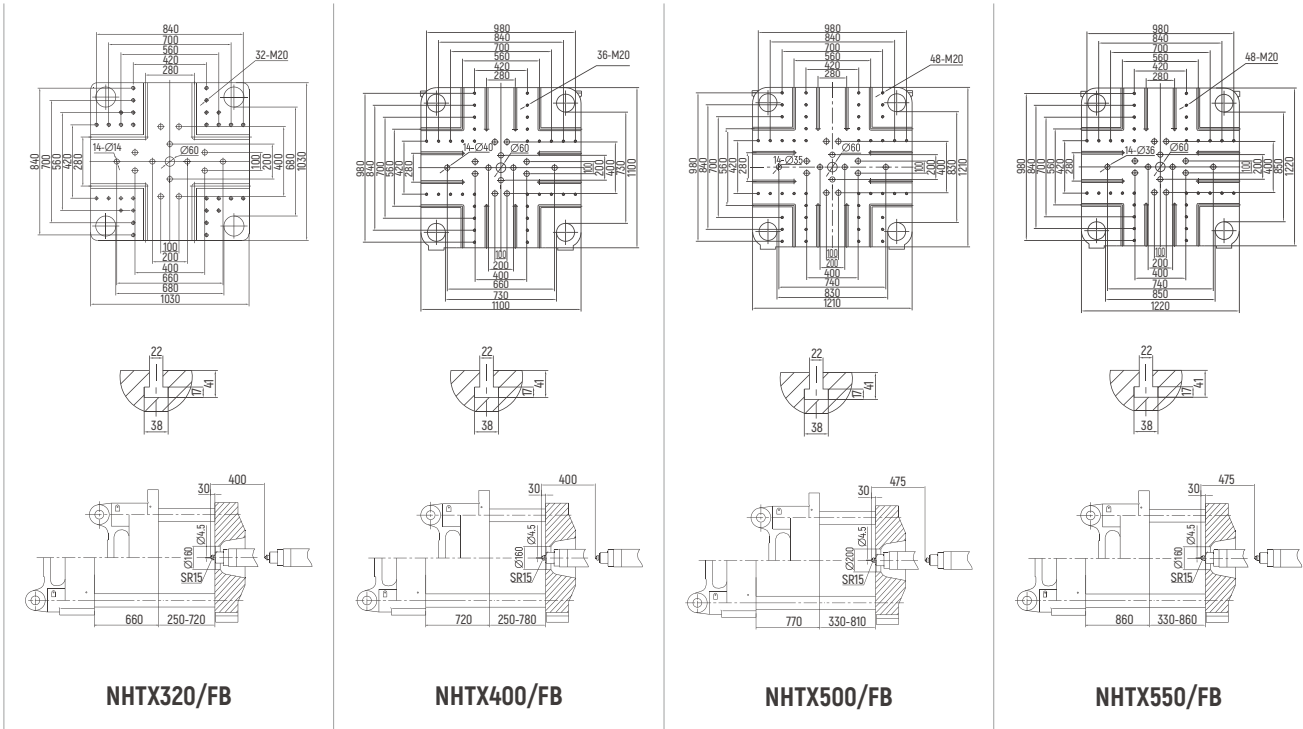
4.

全新刚性机架，减震更明显，生产更稳定。
The new rigid frame, the shock absorption is more obvious, and the production is more stable.
5.

优化模板设计，提升机械强度与刚性，寿命可靠，方便后期节能节料改造。
Optimize mold plate design, improve mechanical strength and rigidity, reliable life, and facilitate energy-saving and material-saving transformation in the future.
6.

配置知名品牌液压阀、电气元件，响应灵敏，寿命长久。
Equipped with well-known brand hydraulic valves, electrical components, responsive and long life.

Template Plane Diagram
模板平面图



适用领域 | Application Area



技术参数 | Technical Parameter

说明	DESCRIPTION	单位 UNIT	NHTX320/FB	NHTX400/FB	NHTX500/FB	NHTX550/FB
国际标准规格	International size rating		320-2200	400-3180	500-3600	550-4400
注射系统	INJECTION UNIT					
螺杆直径	Screw diameter	mm	80	85	95	100
螺杆长径比	Screw L/D ratio	L/D	19.3	19.4	18.5	18.7
理论注射容量	Shot volume(therretical)	cm ³	1759	2213	2834	3495
注射重量	Injection weight(ps)	g	1601	2014	2579	3180
注射速度	Injection rate	g/s	480	537	626	672
注射压力	Injection pressure	MPa	125	144	127	126
螺杆转速	Screw speed	rpm	160	160	135	135
锁模系统	CLAMPING UNIT					
锁模力	Clamping force	KN	3200	4000	5000	5500
移模行程	Open stroke	mm	660	720	770	860
拉杆间距 (宽 × 高)	Space between tie bars(W×H)	mm	680×680	730×730	830×830	850×850
最大模厚	Max.Mould height	mm	720	780	810	860
最小模厚	Min.Mould height	mm	250	250	330	330
顶出行程	Ejector stroke	mm	160	190	240	240
顶出力	Ejector force	KN	70	110	150	150
其它	Others					
最大油泵压力	Max.pump pressure	MPa	16	16	16	16
油泵马达功率 (伺服)	Pump motor power	KW	37	45	55	55
电热功率	Heating power	KW	24.7	29.3	33	40
外形尺寸 (长 × 宽 × 高)	Machine dimension[L×W×H]	m	7.08×1.99×2.38	7.56×2.00×2.52	7.74×1.89×2.69	8.6×2.1×2.7
油箱容积	Oiltank cubage	L	680	770	900	900
机器重量	Machine weight	t	12.8	15.4	19	21



NEW GENERATION HIGH SPEED INJECTION MOLDING MACHINE

新一代快速注塑机
NHTF SERIES



Six technical features
六大技术特点

1. 单缸射台，优化油路结构，高速响应，平稳注射。
Single-cylinder injection unit, optimized oil circuit structure, high-speed response, stable injection.

2. 大长径比 PP 专用螺杆，熔胶速度快，塑化效果好。
Special screw with large longer scren L/D ratio, fast charging speed and good plasticizing effect.

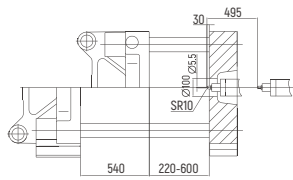
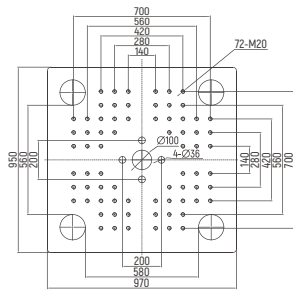
3. 红外线感应加热，高效加热，节能省电。
Infrared induction heating, efficient heating, energy saving and power saving.

4. 全新高强度、高刚性模板，经有限元分析优化设计，快速工况下稳定可靠。
The new high-strength and high-rigidity mold platen is optimized by finite element analysis, which is stable and reliable under fast working conditions.

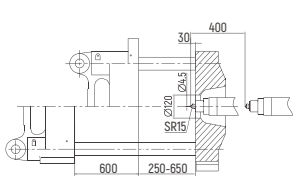
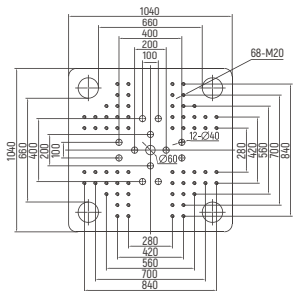
5. 配置高响应伺服电机、知名品牌液压阀、电气元件，响应灵敏，寿命长久。
Equipped with high-response servo motor, well-known brand hydraulic valve, electrical components, responsive and long life.

6. 配置耐磨钢带、石墨铜套，优化润滑系统，确保高速品质下的质量稳定性。
Equipped with wear-resistant steel belt and graphite copper sleeve, optimized lubrication system to ensure quality and stability under high-speed production.

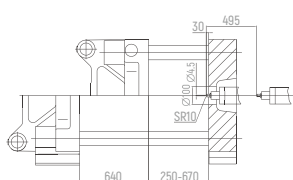
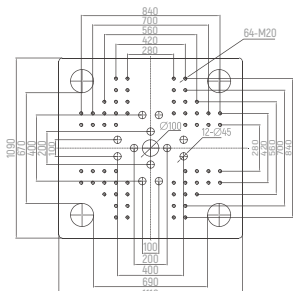
Template Plane Diagram
模板平面图



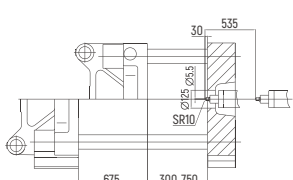
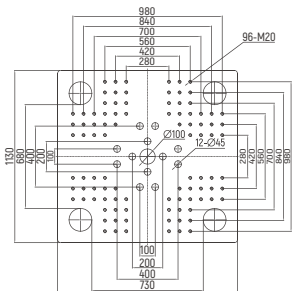
NHTF290



NHTF360



NHTF400



NHTF450

技术参数 | Technical Parameter

说明	DESCRIPTION	单位 UNIT	NHTF290		NHTF360		NHTF400		NHTF450	
国际标准规格	International size rating		290-630		360-630		400-810		450-810	
注射系统	INJECTION UNIT									
螺杆直径	Screw diameter	mm	50	55	50	55	55	60	55	60
螺杆长径比	Screw L/D ratio	L/D	27	24.8	27	24.8	27	24.9	27	24.9
理论注射容量	Shot volume(therretical)	cm³	441	534	441	534	593	706	593	706
注射重量	Injection weight(ps)	g	401	486	401	486	540	642	540	642
注射速度	Injection rate	mm/s	330	330	415	415	440	440	440	440
注射压力	Injection pressure	MPa	143	118	143	118	137	115	137	115
螺杆转速	Screw speed	rpm	350		350		350		350	
锁模系统	CLAMPING UNIT									
锁模力	Clamping force	KN	2900		3600		4000		4500	
移模行程	Open stroke	mm	540		610		640		675	
拉杆间距（宽×高）	Space between tie bars(W×H)	mm	580×560		660×660		690×670		730×680	
最大模厚	Max.Mould height	mm	600		700		670		750	
最小模厚	Min.Mould height	mm	220		250		250		300	
顶出行程	Ejector stroke	mm	100		160		100		100	
顶出力	Ejector force	KN	70		70		70		70	
其它	Others									
最大油泵压力	Max.pump pressure	MPa	17.5		17.5		17.5		17.5	
油泵马达功率（伺服）	Pump motor power	KW	54		30+30		46+46		46+46	
电热功率	Heating power	KW	19.7		24.5		24.8		33	
外形尺寸（长×宽×高）	Machine dimension[L×W×H]	m	6.54×1.72×2.35		7.15×1.85×2.35		7.8×1.95×2.45		8.2×1.95×2.45	
油箱容积	Oiltank cubage	L	680		950		950		1100	
机器重量	Machine weight	t	12.8		15.5		18.2		22.5	

适用领域 | Application Area





PET PREFORM INJECTION MOLDING MACHINE

瓶坯专用注塑机
NHTX/PET SERIES



八大技术特点

Eight technical features

1.

相同锁模力配备多级射台，满足客户对多种不同瓶胚的注射量需求。
The same clamping force is equipped with a multi-stage injection unit to meet the customer's injection volume requirements for a variety of different preforms.
2.

长径比 25:1 的 PET 专用高塑化螺杆，显著提高熔胶速度，降低塑化温度，提高瓶胚透明度。
The high plasticizing screw for PET with a L/D ratio of 25: 1 it can significantly increase the melt speed, reduce the plasticizing temperature, and improve the transparency of the preform.
3.

低速高扭矩马达，预塑平稳，保证塑化质量。
Low-speed high-torque motor, stable charging to ensure the quality of plasticization.
4.

加大顶出行程与顶出力,适应瓶胚的顶出要求。
Increase the ejection stroke and ejection force to meet the ejection requirements preform.

5.

油路优化设计，独立数控背压，低噪音控制系统。
Optimized oil circuit design, independent back pressure, low noise control system.
6.

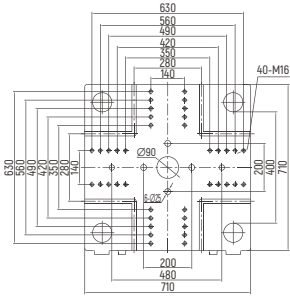
变量泵控制系统与伺服控制系统可供选择。
Variable pump control system and servo control system are available.
7.

配置知名品牌液压阀、电气元件，响应灵敏，寿命长久。
Equipped with well-known brand hydraulic valves, electrical components, responsive and long life.
8.

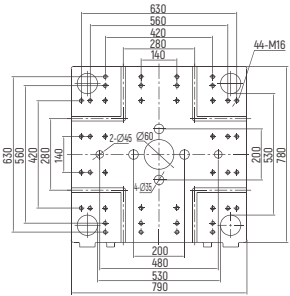
可选配模具热流道控制，过滤射嘴，独立同步保压系统，红外线电磁加热圈。
Optional hot runner control of mold, filter nozzle, independent synchronous pressure holding system, infrared energy saving heating band.

模板平面图

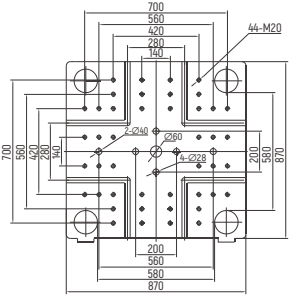
Template Plane Diagram



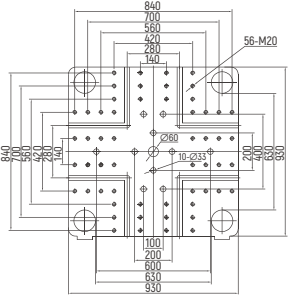
NHTX160/PET



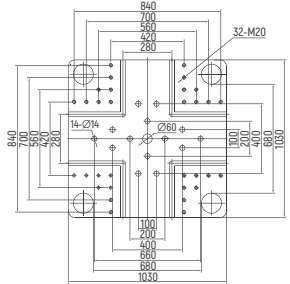
NHTX200/PET



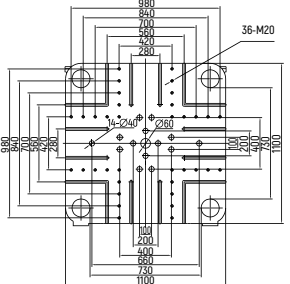
NHTX250/PET



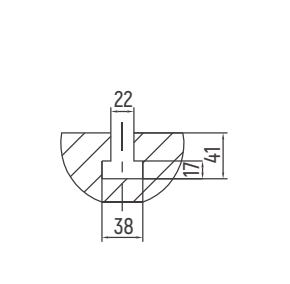
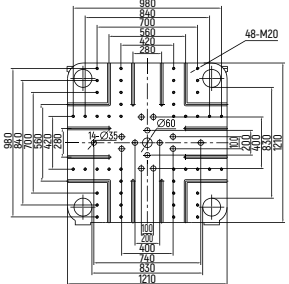
NHTX280/PET



NHTX320/PET



NHTX400/PET



技术参数 | Technical Parameter

说明	DESCRIPTION	单位 UNIT	NHTX160/PET		NHTX200/PET		NHTX250/PET		NHTX280/PET		NHTX320/PET			NHTX400/PET			NHTX500/PET	
国际标准规格	International size rating		160-660	160-1200	200-860	200-1500	250-1200	250-2400	280-1500	280-2410	320-2400	320-2410	320-3180	400-3180	400-3610	400-4400	500-3610	500-4400
注射系统	INJECTION UNIT																	
螺杆直径	Screw diameter	mm	55	65	60	70	65	75	70	80	75	80	85	85	95	105	95	105
螺杆长径比	Screw L/D ratio	L/D	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
理论注射容量	Shot volume(therretical)	cm³	533	912	706	1154	912	1546	1154	1759	1546	1759	2213	2213	2834	3853	2834	3853
注射重量	Injection weight(pet)	g	575	984	762	1245	984	1668	1245	1898	1668	1898	2388	2388	3058	4157	3058	4157
注射速度	Injection rate	g/s	274	340	281	420	340	443	420	547	443	547	625	625	719	784	719	784
注射压力	Injection pressure	MPa	118	133	117	135	121	160	123	137	146	137	148	135	127	114	127	114
螺杆转速	Screw speed	rpm	135	130	140	150	130	145	150	145	145	145	130	130	115	115	115	115
锁模系统	CLAMPING UNIT																	
锁模力	Clamping force	KN	1600		2000		2500		2800		3200			4000			5000	
移模行程	Open stroke	mm	435		495		540		590		660			720			770	
拉杆间距 (宽 × 高)	Space between tie bars(W×H)	mm	480×480		530×530		580×580		630×630		680×680			730×730			830×830	
最大模厚	Max.Mould height	mm	520		530		550		630		720			780			810	
最小模厚	Min.Mould height	mm	180		200		200		200		250			250			330	
顶出行程	Ejector stroke	mm	145		160		170		170		180			210			240	
顶出力	Ejector force	KN	77		99		99		99		99			181			181	
其它	Others																	
最大油泵压力	Max.pump pressure	MPa	16		16		16		16		16			16			16	
油泵马达功率	Pump motor power	KW	18.5	22	18.5	30	22	37	30	37	37	37	45	45	55	55	55	55
电热功率	Heating power	KW	19.7	24.8	24.5	33	24.8	36.8	33	38.6	36.8	38.6	42.2	42.2	53.3	70.5	53.3	70.5
外形尺寸 (长 × 宽 × 高)	Machine dimension(L×W×H)	m	4.86×1.3×2.1	5.1×1.3×2.1	5.3×1.60×2.2	5.8×1.60×2.2	5.9×1.6×2.3	6.4×1.6×2.3	6.1×1.8×2.4	6.9×1.8×2.4	7.1×2.1×2.4	7.3×2.1×2.4	7.8×2.2×2.6	7.8×2.0×2.6	8.3×2.2×2.7	8.3×2.2×2.7	7.8×1.9×2.7	8.2×2.2×2.8
油箱容积	Oiltank cubage	L	250	340	250	390	340	510	390	680	550	550	680	680	680	680	680	680
机器重量	Machine weight	t	5.4	5.9	6.4	6.9	7.5	8.1	8.8	10.2	12.8	13.2	13.5	15.9	17.1	17.8	19	19.5