

Remarks 说明:

Theoretical shot volume = (screw cylinder cross section) x (screw stroke)
The injection shot weight should be 91% of the theoretical shot volume for polystyrene(ps).

实际重量 = (注塑机)料筒截面积 x 螺杆行程注射重量为PS理论容量的91%。



Note 注意:

1. When PC (polycarbonate) PA PMMA PET PVC and other plastic material used for engineering are planned for molding, it is necessary to inform us for special designation.
2. Due to continual improvement, specifications are subject to change without notification. there is more detailed documentation available for your reference in addition to the above specifications.
3. The machine pictures are for your visual reference. The actual machines are subjut to trivial different.

- 1.当您成型PC、PA、PMMA、PET、PVC等工程塑料制品的计划,请让我们知道。
- 2.正常情况下改善技术规格参数,不予另行通知除了上述表格中技术规格参数以外,如需更详细资料,请垂询。
- 3.产品照片仅供参考,与出售实物略有不同。



BN SERIES II

Precision Energy Injection Molding Machine

博纳精密节能注塑机



宁波博纳机械有限公司
NINGBO BONA MACHINERY CO.,LTD.

地址:宁波市通途路小港工业园区创富路2号
Add: No.2 Chuang Fu Road,Xiao Gang Industrial Zone,Bei Lun District,Ningbo 315803,China
Tel: (00) 86-574-88352626 13780013213
Fax: (00) 86-574-87289035
E-mail: bonajx@163.com

www.cn-bona.com

<http://bona.gmc.globalmarket.com>

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宁波博纳机械有限公司
NINGBO BONA MACHINERY CO.,LTD.



COMPANY PROFILE

关于我们

Ningbo Bona Machinery Company was founded in 2010. Our company has a number of technical development and product quality management experience in the injection molding machine professionals, in collaboration with a number of well-known domestic injection molding machine industry professors, experts, the team formed the company's product development as a consultant to provide technical guidance, with significant technical advantages.

The company's products focus on in the high-end injection molding machine market, with many independent intellectual property rights based on the development of the BN series of precision energy-saving injection molding machine. Since 2015 the company has launched the NB series of second generation. This series already has a number of national patents such as the head and tail of the machine ". We also launched a special machine linked to mobile phones, mixed two-color machines and

other special machines. Our company's products are exported to the country and the Middle East, Southeast Asia and other dozens of countries.

Our full implementation "professional, caring and reliable," the concept of brand strategy and produces innovation. After careful construction, has formed a strong technological innovation capability, product manufacturing ability, upstream and downstream service thoughtful sales system, after-sales service thoughtful and comprehensive all-round comprehensive business model.

quality first ,customer first is our service purpose, with a number of well-known enterprises to establish a long-term relationship, will be a successful cause of your successful booster.

宁波博纳机械有限公司成立于2010年，公司以博大精深，海纳百川的理念精业于塑料注射成型机的研发与创造。公司拥有一批富有技术开发与生产品质管理经验的塑机专业人员，协同多位国内著名塑机行业教授、专家组成的团队为公司产品开发充当顾问，进行技术上的献计献策，拥有显著的技术优势。

公司产品定位于中高端注塑机市场，以拥有众多自主知识产权为基础，开发了BN系列精密节能注塑机。从15年起公司又推出了BN系列II代机，该机头板、尾板已拥有国家专利。相继推出了手机专用机，混双色机等各类专用机。将注塑机推广至全国各省市及中东，东南亚等数十个国家。

公司全面实施“专业，贴心，可靠”的品牌战略理念。经过精心打造，已经形成了一个技术创新能力强，

产品制造能力完善，上下游服务链周到的销售体系，售后服务周到细心的全方面经营战略模式。将BN系列注塑机推广至全国各省市及中东，东南亚等数十个国家。

我公司本着“质量第一，客户至上”的宗旨，与多家知名企业建立了长期合作关系。博纳天下塑机之长，将会成为您事业成功的有力助推器。





Research & Manufacturing

装备精良，确保一流品质

Excellent quality comes from the strict and scientific production process. In Bone, product quality is considerde to be the life of the company.

卓越的品质来自严格科学的生产过程。
博纳一如既往的把产品质量视为企业的生命。



A corner of assembly a workshop 总装车间一角



CAM制造加工
CAM manufacture
product



专利号: ZJ 2015 2 0320204.3



专利号: ZJ 2015 2 0290652.3





专业技术 值得信赖

EXPERTISE TRUSTWORTHY

BONA品牌

博纳以可信赖的专业技术造就“BONA”品牌精密注塑机，集产品高性能&高节能技术的科学结合。让客户似同使用欧美产机器的优越性，实现制品加工的高精度、高节能、高品质、高效率。



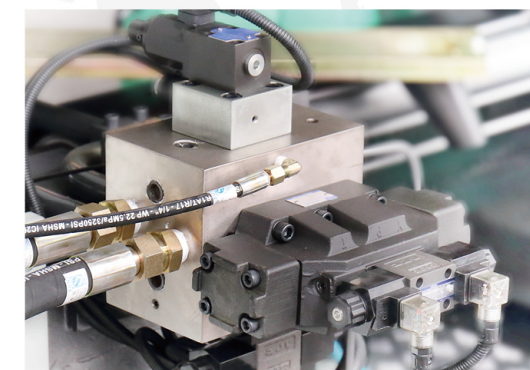
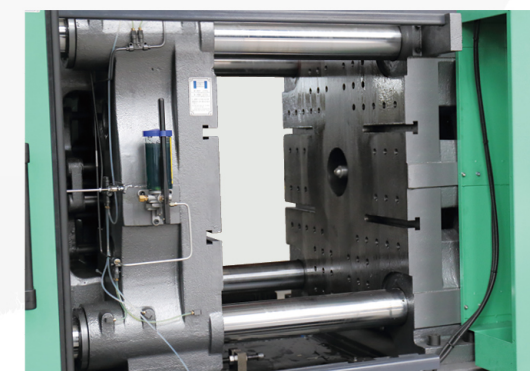
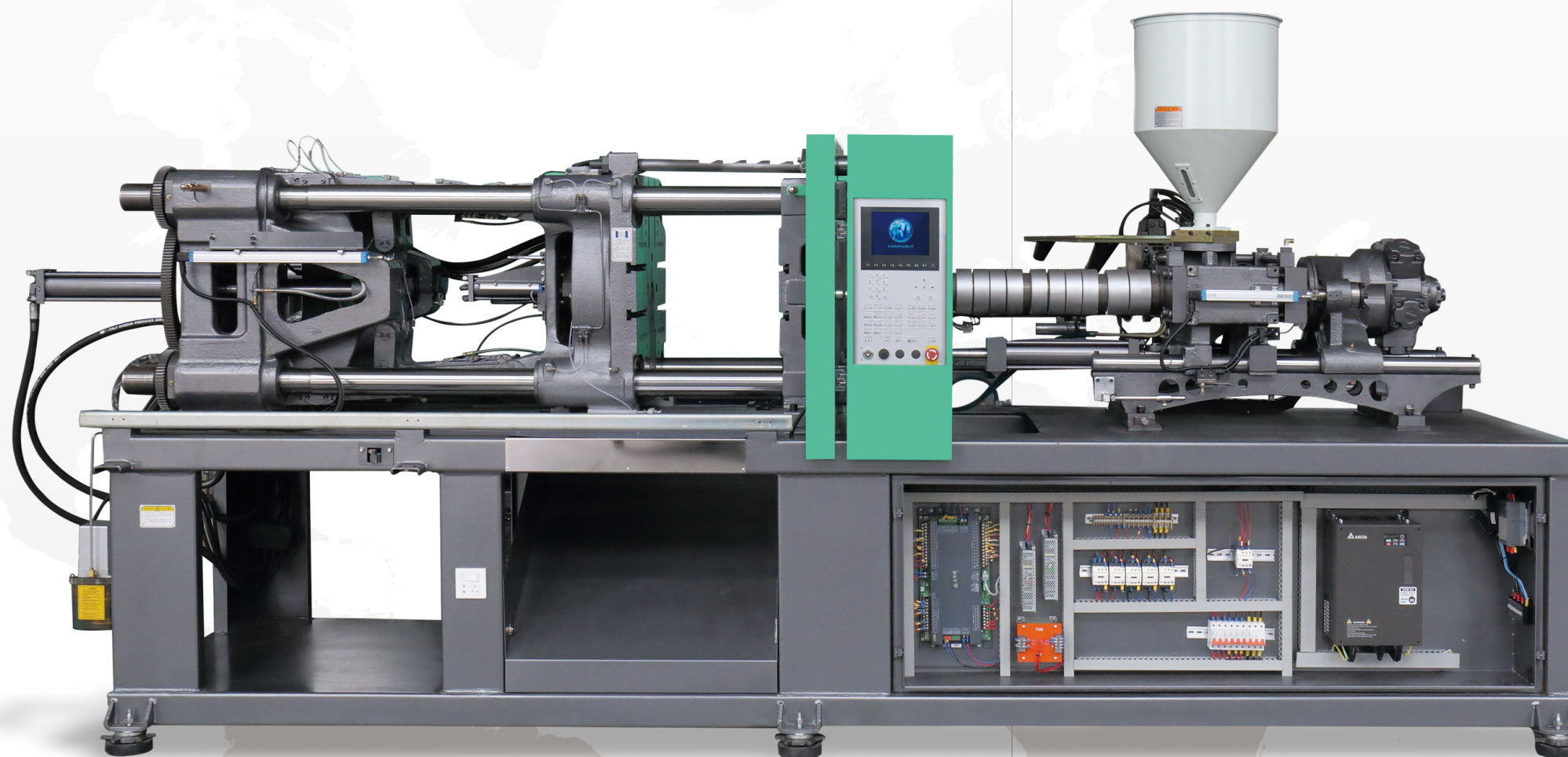
BN98-BN1380

新一代互联网注塑机



>> Main Structure of The Products

产品结构图



- 1 "T"型槽模板，方便模具更换。
"T"groove mold platen is quite easy for changing mold.
- 2 粗大的高强度拉杆，使锁模力更稳定。
Strong high-strength rod
- 3 高刚性的曲肘机构及箱型连体模板，提高了锁模刚性和精度。
High rigid linkages and the conjoined box platen can improve the rigidity and accuracy of clamping.
- 4 高精度电子尺，是每个动作得到实时、精确控制。
High-precision electronic device, to make sure each action in real-time and precise control.

- 5 带缺油报警的集中润滑系统，使每个润滑点得到均匀持续润滑。
Alarm with lack of oil lubrication system, so that each lubrication point to be uniform continuous lubrication.
- 6 整个机架由钢板折弯而成，因此刚性高，机械部件不受机架变形而影响机械导向件的耐用性。
The entire rack is made of welded steel plates with high rigidity, and deformation of mechanical parts from the rack-oriented parts of mechanical durability.

- 7 电热圈采用陶瓷加热，寿命更长。
Ceramic heater guarantee longer life.
- 8 油箱内部喷塑处理，永不生锈。
Internal spray tank, and never rust.
- 9 专用性和通用性螺杆机筒设计，满足不同用户的需要。
Variety kinds of specific and general screws and barrels can meet the different needs of different users.
- 10 采用双色报警灯，更为直观的观察生产情况。
Adopt double color lamp, more intuitive observation production situation.
- 11 人性化设计，增加无孔插座，方便使用普通电源。
Humanized design, easy to increase the no hole socket, use normal power supply.

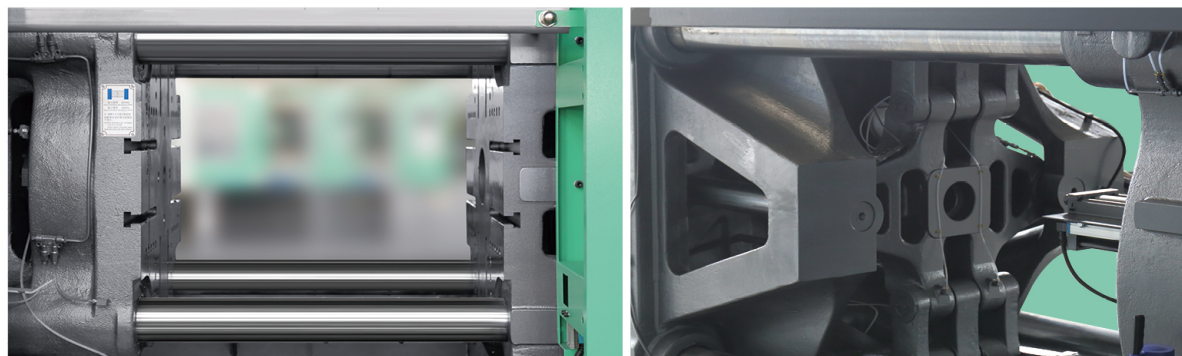
- 12 "TFT"真彩显示系统，提供各种数据输入及故障报警。
"TFT" true color screen. Providing an access for data inputting and fault alarm.
- 13 改善拉杆螺纹负载的螺母。
screw nut improve the load on tie-bar screw.
- 14 防烫双层机筒罩。
Anti-hot double-barrel cover.
- 15 系统油路块安装在减震垫上，有效的减少了机器震动，使得机器的噪音明显降低。
system circuit installed in the shock pad, reduce the machine vibration effectively and so make the noise significantly reduced.



Powerful And Durable Clamping System 强劲耐用的锁模系统

Optimized and FEA the clamping system, box-type mold platen design, strong and durable. adopt high quality copper toggle bushes on tie bars guiding parts, clamping fast, stable and working life long.

锁模结构经有限元分析优化，已获国家专利保护，强劲耐用，哥林柱导向部位采用高品质铜套，锁模快速平稳，使用寿命长。



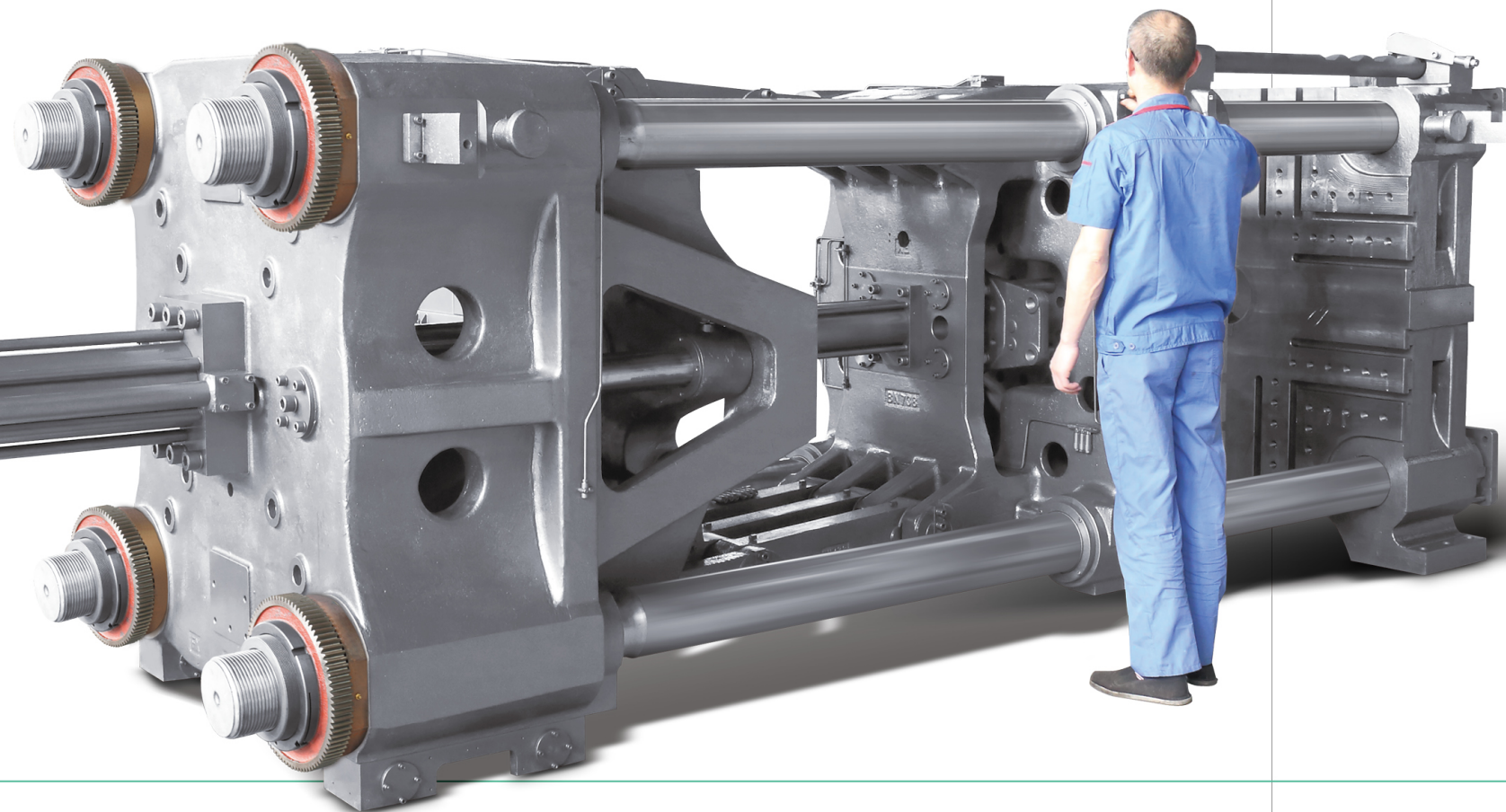
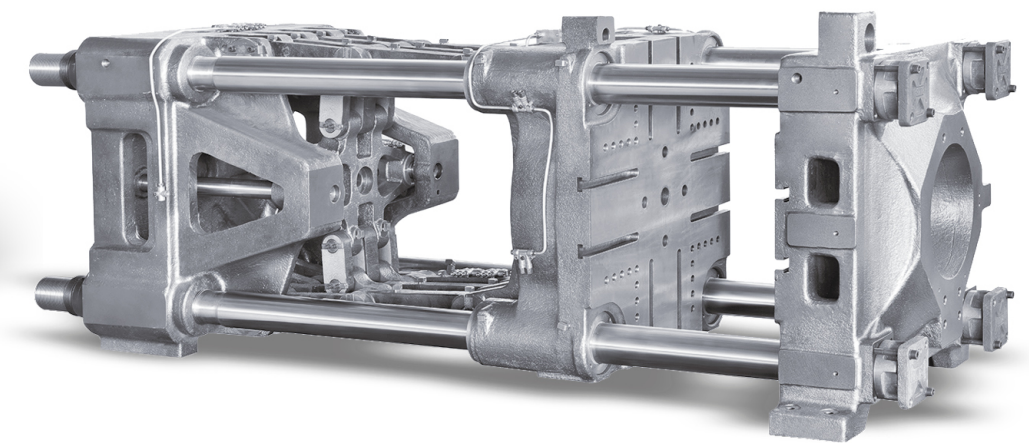
Features 特性

- Five-piece pivot double toggle clamping unit, integration of strong solid frame structure to ensure that the template force balanced, high-speed, and stable.
- Solid template for large milling by EUROMAP standard "T" type slots and drilling tapping. And has a large bar space.
- Ejector hydraulic cylinder can move flexibly and the movement is extremely accurate.
- Moving platen with skateboard under the form regulation can take part of weight from the mold, reducing the load on the rod and avoid many malfunction when using heavy mold.
- 连体式双曲肘五支点锁模机构，融合坚固扎实的机架结构，确保模板受力均衡，刚性强。确保合模部件高速，平稳。
- 坚固宽大的模板按照EUROMAP标准"T"型槽与标准螺孔。并且拥有超大的拉杆空间。
- 液压中心顶出缸伸缩自如，动作极其精确，并有多杆顶出。
- 动板下配板形式调节滑板，可以承担模具一部分重量，减轻拉杆上的负荷。避免在使用较重模具时可能出现的故障。



Box template design by finite element analysis, significantly improve the strength and rigidity.

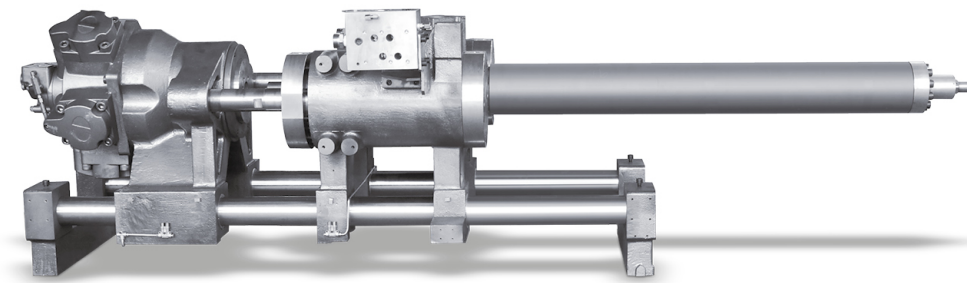
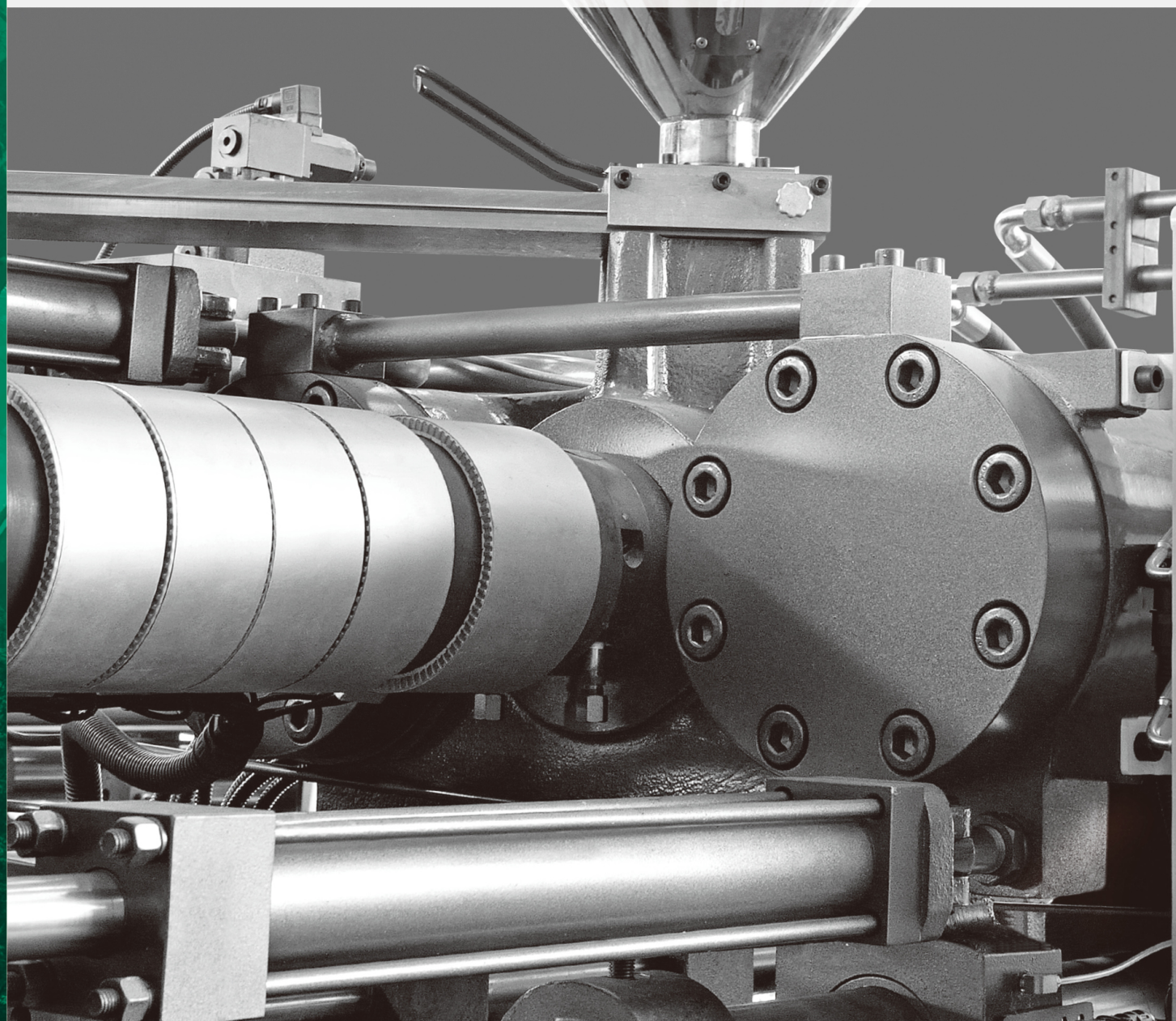
箱式模板经有限元分析设计，显著提高强度与刚性。





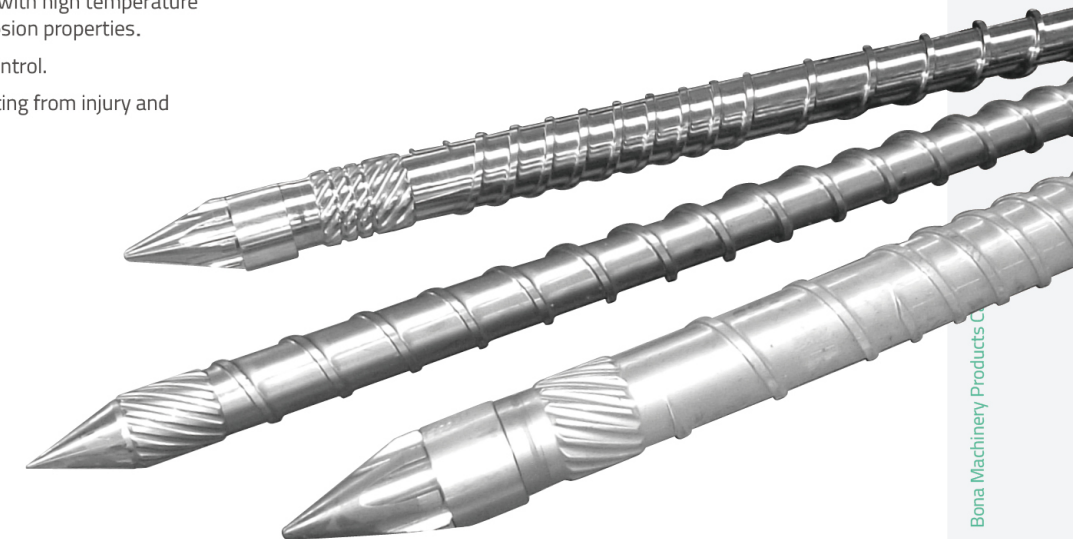
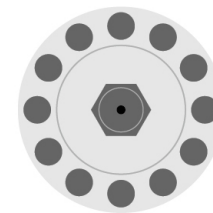
Stable And High Performance of Injection System

稳定的高性能注射系统



Features 特性

- High injection pressure and speed
- Lightweight rugged twin balanced structure, rapid movement guidance system, support the injection device.
- Ceramic heating coil, and double-layer shields. In addition to reducing energy consumption, can also reduce the temperature of the surrounding environment.
- Sliding structure to ensure that drying hopper slides freely, light and flexible.
- The rear of injection part with three series bearing structure, precise, accurate and stress is good.
- Injection system fully in line with the safety devices to ensure operator safety and completely.
- Clamping and injection components can match freely according to the injection weight.
- Screw head and the non-return valve imported from japan hot tool steel, hardened by vacuum quenching, with high temperature resistance, abrasion resistance, anti-corrosion properties.
- Plasticizing egwipped with high precision control.
- Antj-hat double-barrel cover prevent operating from injury and reduce energy loss.
- 注塑压力高，注射速度快。
- 轻体坚固的双缸平衡式结构，快速运动导向系统，支撑整个注射装置。
- 陶瓷加热圈，除可降低能耗外还可以降低周边环境温度。
- 滑块式料斗滑动结构，确保料斗或干燥料斗滑动自如，轻快灵活。
- 射台后板，采用三串联轴承结构，精密准确，受力良好。
- 注射系统全面配合了安全装置，彻底保证操作者安全生产。
- 锁模与注射部件可由自由搭配，注射注射量空前灵活。
- 螺杆头和止逆环采用日本进口热作工具钢。经真空淬火处理，具有抗高温、耐磨耗、防腐蚀之特性。
- 熔胶安装高精度电子尺，注射定位精度高。
- 机筒双层罩，避免操作人员烫伤，避免热量损失了节能降耗。



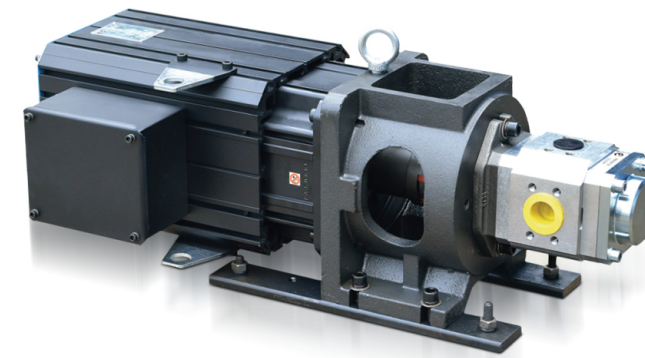
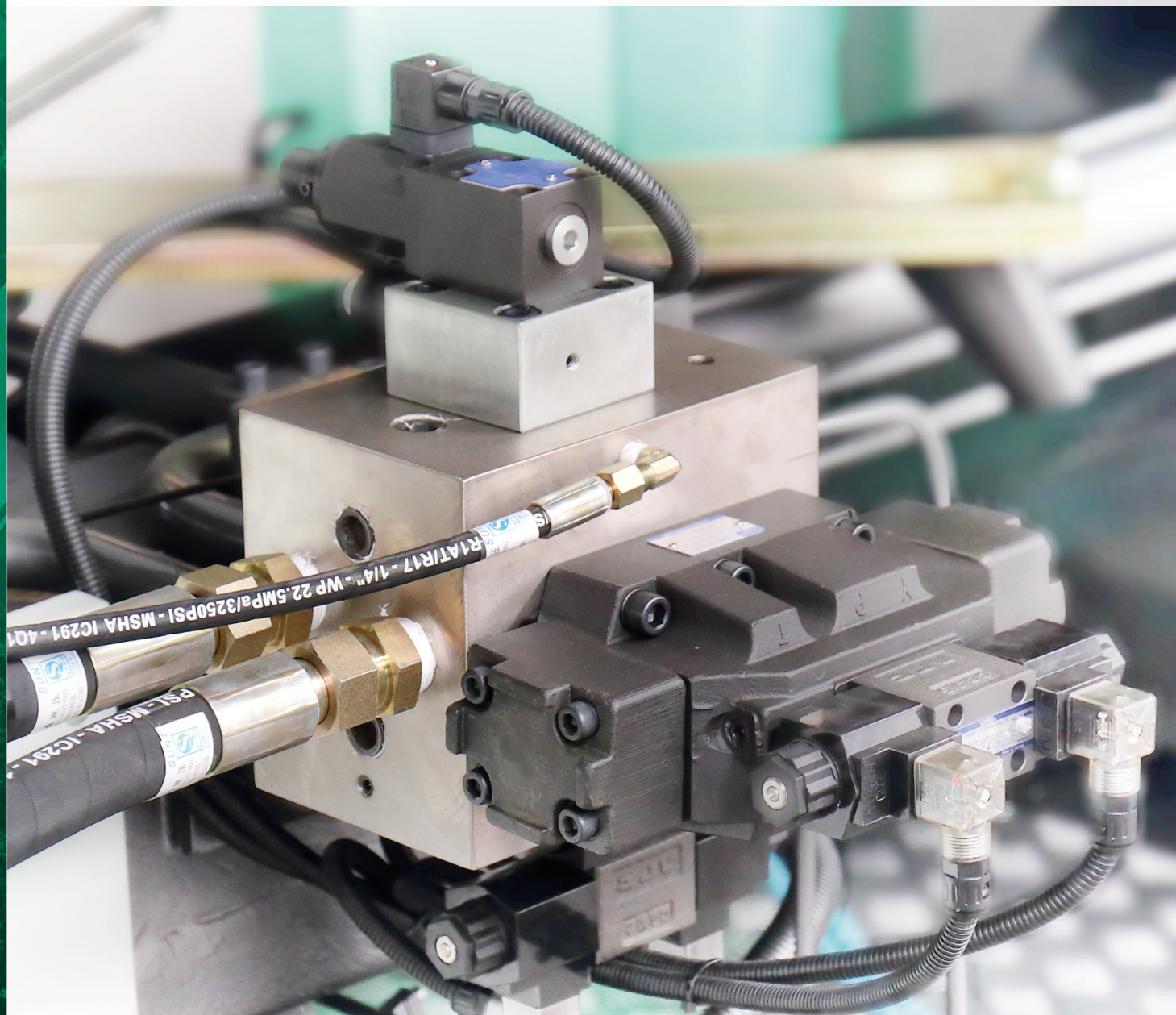


Digital Control And Energy Saving of Hydraulic System

数字式控制节能的液压系统

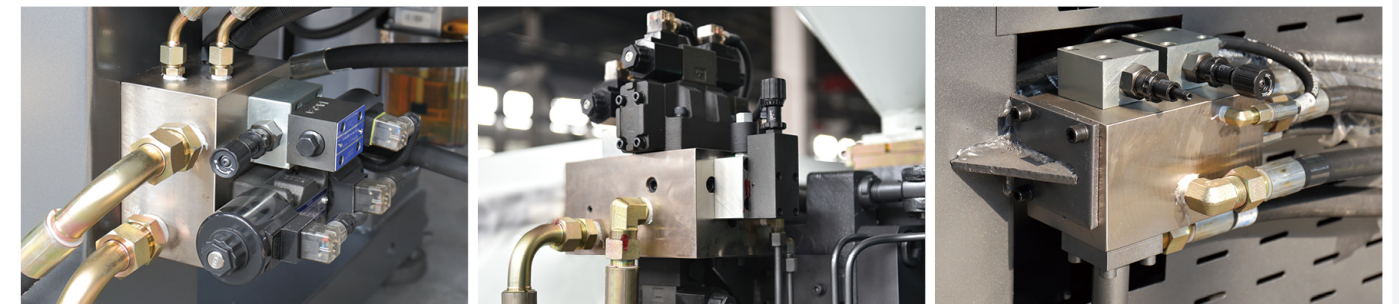
Hydraulic system use imported-band hydraulic components, above medium machine use instrumented logic oil road, effectively promote the system response speed.

液压系统全部采用进口名牌液压元件，中型机以上全部采用插装逻辑油路，有效提升系统响应速度。



节电 Energy Saving 

25%-80%




- Variable pump with high flow to make machine run faster. Compared with the same level of machine can speed up to 20%, and supposing the electrical power, the motor overload significantly can be reduced. Compared with dosing pumps, saving 25%-50%
- With a precise, effective oil filter can ensure the removal of oil system contamination and reduce machine Maintenance probability.
- By using spray tank of internal oil tank to remove rust and iron for the internal hydraulic system contamination
- In the piping system, together with the large diameter high pressure hose, making the system quieter. lower pressure of oil return line.

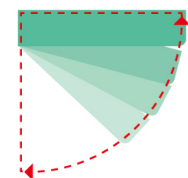
■ 采用大流量高精度液压系统，令整机速度加快。与同等级机器相比速度提高最高可达20%，而且配套电机功率大，使电机超载大大降低，跟定量泵相比，节电25%-80%。

■ 配备紧密漏油器，有效去除油路系统污染，降低机器维修几率，延长液压元件使用寿命。

■ 油箱内部采用喷塑处理。

■ 在管路系统中，配以大口径高压胶管，使系统噪音更小，回油背压更低。

提速 
Speed Advancing
20%



可凋控制器
更符合操作方式

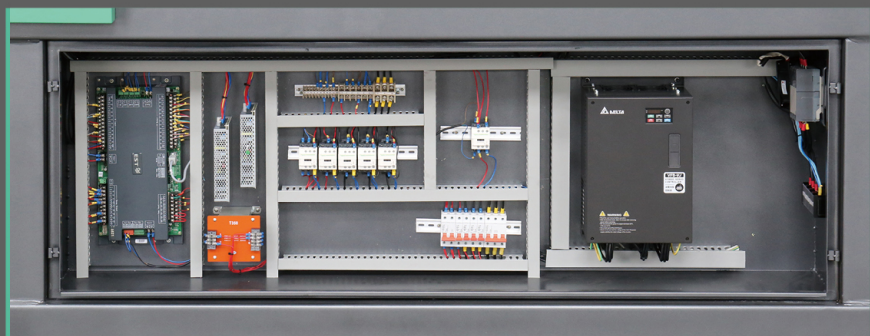


High-End Controller Quick Reaction, System Stability
高端控制器——反应速度快，系统稳定



Functional Maturation of The Electronic Units

功能完善的电器系统



- Multi-CPU computer control, main cpu adopted with high-performance DSP chips, Running high speed, integrated performance well.
- 7" TFT-LED screen. physical-entity animation display of machine operation status, a good man-machine relationship
- Multiple separate power supplies of the operation panel to enable the thunder-proof design of the whole syetem.
- Stable temperature control precision of $\pm 1^{\circ}\text{C}$.
- No use of baEery in data-storage to ensure data safety.
- Parameters of final products recorded for the convenience of quality control.
- Arrewing the transpo~of molds data via flash disk and in consequence clients easy data modification
- 多CPU电脑控制，主CPU采用高性能DSP信号处理器。运行速度快，综合性能优异。
- 7" 或7" 以上彩屏，配合机器操作状态动画显示。人机关系良好。
- 主板上使用多路独立电源，并且相互隔离，抗雷击性强，使得系统稳定可靠，故障率低。
- 模糊式温度控制方式，温度控制误差为 $\pm 1^{\circ}\text{C}$ 。
- 数据保存不再使用电池，永不丢失。
- 成品参数记录，方便成品品质检查。
- 模具数据可通过U盘交换，方便用户更改数据。

通过企业局域网和移动互联网轻松完成对车间注塑机运行情况进行监控和生产管理，提升产品生产效率达20%以上，真正实现注塑机智能化生产管理。

Through the enterprise LAN and the mobile Internet, the operation of the injection molding machine in the workshop can be easily monitored and controlled. The production efficiency of the injection molding machine is up to 20% or more, and the intelligent production management of the injection molding machine can be realized.

Specifications 规格参数

BN98-BN1380

机型	SPECIFICATION	CN	BN98II			BN138II			BN178II			BN218II			BN268II		
			A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
注射装置 INJECTION UNIT																	
螺杆直径	Screw diameter	mm	34	37	40	38	40	43	40	45	48	45	50	55	50	55	60
螺杆长径比	Screw L/D ratio	L/D	22.8	21	22.7	22.3	20.2	22.1	23.2	20.3	22.7	23	20.5	22.8	22.7	20.6	22.3
理论注射容量	Shot volume(theoretical)	cm ³	140	166	195	193	215	250	253	320	363	374	461	558	520	630	750
注射重量	Injection weight(ps)	g	129	150	177	176	196	226	230	292	329	340	420	508	473	573	683
注射压力	Injection pressure	MPa	254	215	184	218	197	170	245	194	170	227	184	151	212	175	148
注射速率	Injection rate	g/s	86	100	117	131	146	169	131	167	188	170	210	253	202	244	292
锁模装置 CLAMPING UNIT																	
锁模力	Clamping force	kN	980			1380			1780			2180			2680		
模板行程	Open stroke	mm	330			370			430			490			550		
拉杆内间距(宽X高)	Space between tie ba(WxH)	mm	365x365			415x415			465x465			530x530			580x580		
模具模厚	Max.Mould height	mm	150-380			150-450			180-520			220-550			220-580		
顶出力	Ejector force	kN	42			49			45			62			62		
顶出行程	Ejector stroke	mm	100			130			140			165			165		
其它 OTHERS																	
油泵压力	Pump pressure	MPa	17.5			17.5			17.5			17.5			17.5		
普通电机/驱动器功率	Motor power	kW	13/15			15/22			18.5/22			22/30			22/37		
电热功率	Heating power	kW	7			9.1			10			15.5			16.3		
外形尺寸(长X宽X高)	Machine dimension(LxWxH)	m	4.25x1.2x1.85			4.8x1.3x2			5.1x1.35x2			5.2x1.45x2.2			5.7x1.55x2.2		
机器重量	Machine weight	t	3.1			4			5			6.7			8		

模板正面尺寸	Platen Dimensions					
模板侧面尺寸	Mould Space Dimensions					
安装图	Floor Plan Layout					

Specifications 规格参数

BN98-BN1380

机型	SPECIFICATION	CN	BN298II			BN338II			BN388II				BN468II				BN538II-I			
			A	B	C	A	B	C	A	B	C	D	A	B	C	D	A	B	C	D
注射装置	INJECTION UNIT																			
螺杆直径	Screw diameter	mm	55	60	65	60	65	70	65	70	75	80	75	80	85	90	75	80	85	90
螺杆长径比	Screw L/D ratio	L/D	23.6	21.6	22.1	22.5	20.8	22.2	21.8	20	22.1	20.7	22.6	21	21.4	20.1	24.4	22.8	21.4	20.1
理论注射容量	Shot volume(theoretical)	cm ³	670	800	936	848	996	1155	1088	1262	1449	1648	1634	1860	2100	2359	1634	1860	2100	2359
注射重量	Injection weight(ps)	g	610	730	852	772	906	1051	990	1149	1319	1500	1486	1639	1911	2138	1486	1639	1911	2138
注射压力	Injection pressure	MPa	219	184	157	208	177	153	228	196	171	150	191	168	148	133	191	149	133	119
注射速率	Injection rate	g/s	263	315	368	275	323	374	300	349	401	456	402	443	517	578	402	443	517	578
锁模装置	CLAMPING UNIT																			
锁模力	Clamping force	kN		2980			3380			3880				4680						5380
模板行程	Open stroke	mm		600			660			700				780						830
拉杆内间距(宽X高)	Space between tie ba(WxH)	mm		630x630			680x680			730x730				780x780						830x830
模具模厚	Max.Mould height	mm		230-630			250-680			280-730				300-780						330-810
顶出力	Ejector force	kN		70			80			102				125						125
顶出行程	Ejector stroke	mm		165			170			200				200						200
其它	OTHERS																			
油泵压力	Pump pressure	MPa		17.5			17.5			17.5				17.5						16
普通电机/驱动器功率	Motor power	kW		30/45			30/45			37/55				45/55						55/55
电热功率	Heating power	kW		18.5			21			24.5				29.5						29.5
外形尺寸(长X宽X高)	Machine dimension(LxWxH)	m		6.5x1.7x2.3			6.6x1.8x2.4			7.3x1.85x2.5				8.2x2.13x2.3						8.6x2.2x2.65
机器重量	Machine weight	t		9.3			11			14				17						20

模板正面尺寸	Platen Dimensions					
模板侧面尺寸	Mould Space Dimensions					
安装图	Floor Flan Layout					

Specifications 规格参数

BN98-BN1380

机型	SPECIFICATION	CN	BN538II-II				BN588II				BN688			BN738II				BN1100II				BN1380II			
			A	B	C	D	A	B	C	D	A	B	C	A	B	C	D	A	B	C	D	A	B	C	D
注射装置 INJECTION UNIT																									
螺杆直径	Screw diameter	mm	80	85	90	95	80	85	90	95	85	90	100	90	95	105	110	100	110	120	130	110	120	130	140
螺杆长径比	Screw L/D ratio	L/D	21.1	19.8	21.1	20	21.1	19.8	21.1	20	22.3	21	18.9	22.3	21.1	19.1	18.2	24.2	22	20.2	18.6	26.4	24	22.2	20.6
理论注射容量	Shot volume(theoretical)	cm ³	2111	2383	2671	2977	2111	2383	2671	2977	2667	2990	3691	2861	3188	3894	4273	4239	5129	6104	7163	5509	6556	7694	8923
注射重量	Injection weight(ps)	g	1921	2169	2430	2700	1921	2169	2430	2700	2427	2720	3359	2603	2901	3543	3888	3857	4667	5554	6518	5013	5966	7002	8120
注射压力	Injection pressure	MPa	184	163	146	131	184	163	146	131	194	173	140	195	175	143	130	208	172	145	123	212	178	152	131
注射速率	Injection rate	g/s	422	476	533	592	510	575	645	716	562	630	778	565	630	769	844	743	899	1070	1255	778	926	1087	1260
锁模装置 CLAMPING UNIT																									
锁模力	Clamping force	kN		5380				5880				6680			7380			11000				13800			
模板行程	Open stroke	mm		830				870				930			970			1220				1400			
拉杆内间距(宽X高)	Space between tie ba(WxH)	mm		830x830				865x865				930x930			970x970			1220x1160				1350x1280			
模具模厚	Max.Mould height	mm		330-810				350-830				380-930			400-970			400-1200				600-1300			
顶出力	Ejector force	kN		125				152				186			210			245				215			
顶出行程	Ejector stroke	mm		200				220				250			270			330				350			
其它 OTHERS																									
油泵压力	Pump pressure	MPa		16				16				16			16			16				16			
普通电机/驱动器功率	Motor power	kW		55/55				55/37+45				30+37/45+55			30+37/45+45			37+45/55+55				55+55/55+55+45			
电热功率	Heating power	kW		32				32				40.5			56.7			59				66.1			
外形尺寸(长X宽X高)	Machine dimension(LxWxH)	m		8.6x2.2x2.3				9.1x2.2x2.65				9.8x2.35x2.3			10.1x2.6x2.8			12.1x2.8x3.3				13.1x2.9x3.2			
机器重量	Machine weight	t		21				24				29.8			32			53				60			

模板正面尺寸	Platen Dimensions						
模板侧面尺寸	Mould Space Dimensions						
安装图	Floor Plan Layout						



Derivative Series

衍生系列

As mobile phone now goes to big screen and ultra-thin. Bona has offered a dedicated mobile phone shell molding machine-BN178SJ series, with high response computer controller and servo oil control system, with faster injection speed, higher injection pressure. With a dedicated mobile phone parts, it can mold shell for Samsung series 9100, 9300, 9500 and other more than 10 mobile phone shells, supporting USB charger shell, many clients have started to use our products!

随着手机向大屏。超薄的方向发展，博纳公司向市场隆重推出了手机外壳成型专用机——BN178SJ等系列。配置高响应电脑控制器和伺服油路控制系统，拥有更快的注射速度，更高的注射压力。配合手机壳专用注射部件可成型三星系列手机9100、9300、9500等十余款手机外壳，配套USB充电器外壳，并已投入多家客户使用。

BN98-BN1380



PET专用机

PET professional screw, the screw length to diameter ratio of my share High torque screw drive system, ensure the screw rotation speed even, mixing and plasticizing capability
Drift diameter cold water system, meet the demand of PET mould cooling
To increase output, adapt to the PET bottle preform mould cavity
Cylinder PID temperature control, temperature control precision
Provide a full range of PET bottle preform production mould and auxiliaries, and bottle blowing machine

PET专业螺杆，螺杆长径比达1:24
高扭矩螺杆驱动系统。确保螺杆转速均匀，混炼和塑化能力佳
大通径冷水系统，满足PET模具的冷却需求
加大顶出力，适应多腔PET瓶坯脱模
料筒PID温控，温控精确
提供全套PET瓶坯生产模具及辅机，以及吹瓶机



PVC专用机

D-special PVC plasticizing
Widen the door
Increase the plastic oil motor
Special zone air temperature control device
Two groups of core-pulling meet the demand of different mould
Power consumption: 0.16 KW.H/KG

D-PVC专用塑化件
加宽防护门
加大预塑油马达
专用带风冷温控装置
两组抽芯满足不同模具需求
耗电量: 0.16KW.h/KG



快餐盒专用机

Special plasticizing a thermosetting materials
Mold heat insulation device
Heat oil cylinder temperature control device
Mould heating interface automatically
Exhaust function

采用全新高响应快速设计方案
具有生产效率高、质量稳定、成品率高
产品具有韧性好，不发脆
无变形，内应力小、厚度更薄。



手机专用机

All kinds of special engineering plastics plasticizing
Feeding mouth temperature detection
Injection pressure P 2300 bar
Injection speed 150 mm/s or higher
Mould opening position closed loop
The injection position closed loop
High response servo system
High performance controller

加料口温度检测
注射压力≥2300bar
注射速度≥150mm/s
开模位置闭环
注射位置闭环
高响应伺服系统
高性能控制器





Configuration Options

配置



Clamping Configuration

- 5 Point double toggle
- Mechanical, electrical double chain security protection
- Low pressure mold protection
- Multi-stage pressure, speed and position control
- A variety of hydraulic ejection mode and Vibration mode
- Strengthening moving platen wearable rail
- Mold cooling water distributor
- Automatic centralized lubrication system(volume of quantitative)
- Open/close mold brakes device
- Hydraulic oil motor drives gear model
- Special handling on tie bars, reliable strength
- Electric ruler for open/close mold and ejection
- Automatic adjustment structure
- Adjustable moving platen sliding feet

Injection Unit

- Balance cylinder injection unit
- Multi-stage injection speed and pressure setting
- Multi-level holding speed and pressure setting
- Multi-level refilling speed, ressure setting
- Injection switch to holding control
- Injection position detection control
- Injection device control position
- Anti-cold start(prevention)of screw
- Injection cover
- 3-Mode carriage retreat mode
- Auto-purge function
- High-torque motor-driven plasticizing unit
- Decompression device
- Three or four kinds of screw diameter and barrel
- Barrel pid temperature control
- Back pressure regulation
- Safety cover for heating of barrel
- Nozzle regulation device

锁模配置

- 5点双曲肘
- 机械, 电气双重安全保护
- 低压模具保护
- 多段开关模压力、速度、位置控制
- 多种液压顶出和震动模式
- 强化处理动模板移动耐磨轨道
- 模具冷却水分流器
- 自动集中润滑系统(容积式定量)
- 开关模刹车装置
- 液压油马达驱动齿圈调模
- 拉杆特殊工艺处理, 强度可靠
- 开关模、顶出位置尺控制
- 自动调模功能
- 可调节式动模板滑脚

注射配置

- 双缸平衡注射装置
- 多级注射速度、压力设定
- 多级保压速度、压力设定
- 多级储料速度、压力设定
- 注射转保压起点控制
- 注射位置检测控制
- 注射位置尺控制
- 螺杆冷启动(防止)功能
- 射出防护罩
- 3种模式座退选择功能
- 自动清料功能
- 高扭力油马达驱动螺杆预塑装置
- 螺杆倒索防流延装置
- 3种或4种直径螺杆、料筒
- 料筒温度PID控制
- 储料背压调节功能
- 料筒加热安全防护罩
- 喷嘴对中调节装置

Electronic Configuration

- Pre-set technical parameters
- Robot irinterface
- Data protection lock for parameters
- Color LCD screen
- Computer memory mold data up to 99 gmups
- Real-time monitoring showed movements of the machine
- Abnormal alarm function
- The temperature deviations and automatic corfection
- Motor safety protection device
- System hardware/I/O detection function
- Three sockets for power supply
- Color warning light
- Emergency stop protection device

Hydraulics

- High-precision suction filter
- Alarm for oil temperature deviations function
- Oil level monitoring function
- Cooling device for hydraulic oil

电控配置

- 工艺参数预设
- 机械手电气接口
- 参数资料保护锁
- 彩色LCD显示屏
- 电脑内存模具记忆功能可达99组
- 实时监测显示各动作运行情况
- 异常报警功能
- 温度偏差显示及自动校正
- 电机安全保护装置
- 系统硬件I/O检测功能
- 外供预留电源插头3组
- 彩色报警灯
- 紧急停止保护装置

液压配置

- 高精度吸油过滤器
- 油温偏差报警功能
- 油箱油液位置监测
- 液压油冷却装置

Optional Extras

- Bi-metal screw
- Stainless steel screw
- Screw for special material
- Mold temperature controller
- Mold opening while ejection
- Spring nozzle/extension nozzle
- Accumulator-assisted rapid injection
- Multi-core pulling device
- Cooling glass tube flow meter
- Automatic feeder
- Hopper dryer
- Dehumidifier
- Hopper magnetic
- Mold clamp
- Three-color warning light
- Power regulator
- Bypass filter
- Automatic security gate control device
- Automatic color doser
- Intelligent ctrlml system
- Fast-mold differential device

选用配置

- 双金属机筒螺杆
- 不锈钢螺杆
- 特殊原料专用螺杆
- 模具温度控制器
- 边开模边顶出装置
- 弹簧喷嘴/加长喷嘴
- 蓄能器辅助快速注射
- 多组抽芯装置
- 玻璃管冷却流量计
- 自动上料机
- 干燥料斗
- 注塑机网络管理系统
- 全硬螺杆
- 除湿机
- 磁力架
- 模具压板
- 三色报警灯
- 电压稳压器
- 注射开环控制系统
- 旁路过滤器
- 自动安全门控制装置
- 自动加色计量器
- 智能模具保护系统
- 快速合模差动装置